speco technologies®

Video Surveillance Solutions

Full Video Product Line • Customer Service & Technical Support • Field Sales Support • Free Trainings • Custom Labeling Program

Video Management Software

Full Range of **HD IP Solutions**

Intensifier® Technology

High Resolution **Cameras**

High Definition **Monitors**

Surveillance & A/V **Accessories**

Volume 54

Contents Vol. 54

IP Cameras

Outdoor Domes 4, 6-9, 14-18
Intensifier IP® Outdoor Domes 5, 10-13
Outdoor PTZ 19,20
Indoor Domes 21-24
Bullets 25, 28-31
Intensifier IP® Bullets 26,27
Traditional 32
Intensifier IP® Pinhole 33
Intensifier IP® Board 34
IP Accessories 35
IP Comparison Chart 36
IP Mount / Housing Compatibility Chart 37

Video Recording Devices

NVRs 38-43,48,49
ZIPKITS 44-47
Hybrid 50-55
DVRs 56-65
Wall Mount NVRs/DVRs Part Numbers 66,67
SecureGuard™ Plus Video Management Software ... 68
NVR/DVR Comparison Chart 69

Analog Cameras

Outdoor Domes 70-98
Outdoor PTZ 99-102
Indoor Domes 103-117
Bullets 118-146
Dome Camera Comparison Chart 147
Bullet Camera Comparison Chart 148
Traditional 149-152
Specialty 153-165
Analog Mount/Housing Compatibility Chart 166,167
IR Illuminators 168-170
Monitors 171-174
Multiplexers 175
Power Supplies 176
HDMI® Accessories 177,178
Surveillance & A/V Accessories 179-187
Digital Deterrent® Kits 188
Mounting Brackets/Housings/Lock Boxes 189
Mounting Brackets & Lenses 190
Product Index 191

Outside Sales Support

Our professional and friendly regional sales managers are our first line of support. In addition to selling the features and benefits of our unique product line, they also provide on-site demonstrations and formal classroom training sessions for video surveillance and audio.

Outstanding Product Warranties

Most of our quality video surveillance cameras are backed by a 5 year warranty and most DVRs offer a 3 year warranty.

Video Surveillance Solutions

INT IP — Intensifier IP® - Cameras that see color in low light in HD without IR LEDs

IP — Remote Setup Through Network, High Quality Image

WDR — Wide Dynamic Range

960 H — High Resolution Analog DVRs & Cameras

INT 3 — Intensifier3® Technology See Color In Near Darkness Without IR LEDs - Unique to Speco

INT H — Intensifier® with 960H Technology

INT K — Intensifier® Technology with 1000 TVL Resolution

IR — Infrared Light, Vivid Images

2-WAY AUDIO — Communicate with remote locations instantly to assist in crime prevention

EZ SEARCH — Quickly search events from thumbnails

EZ WIZARDS — One click wizard guides you to set up essentials of the system in a logical and easy to understand sequence

DIGITAL DETERRENT — Audio/Visual Crime Deterrent Stop Crime Before It Happens

Custom Marketing Support

We offer custom marketing materials with our customers' company logo and contact information added. Marketing materials include posters, postcards, mailers, brochures, email blasts, etc.

Training

Speco offers training at industry events, distributor locations and in our corporate offices. Included in the training program are live webinars and how-to videos online. We also offer BICSI and CEU certified courses in video surveillance and 70V audio.

Committed to Customers

Our knowledgeable Customer Support staff is in place to assist in placing orders or to help answer any questions regarding our products. Customer Support is available from 8:30 AM to 5:30 PM EST.

Elite Product Support

Our Product Support team is available to assist in designing a system, help with installations and other professional advice. Product Support is available from 8:30 AM to 7:00 PM EST.

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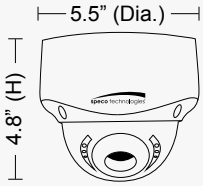
Always use discretion when installing video and/or audio surveillance equipment especially when there is an expectation of privacy. Inquire regarding federal, state and/or local regulations applicable to the lawful installation of video and/or audio recording or surveillance equipment. Party consent may be required.

Full HD 1080p 2MP Indoor/Outdoor Vandal Resistant Dome IP Camera

O2D10 3-9mm auto iris varifocal motorized lens, dark grey housing

IP IR WDR PoE DAY NIGHT MICRO SD SLOT EZ FOCUS 2-WAY AUDIO



Features

- EZ Focus: motorized pan, tilt & 3x zoom lens with auto focus for completely hassle-free remote focusing
- Supports up to Full HD 1080p @ 60fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 65 ft. (depending on scene reflection)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- IP66 and IK10 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.8" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F1.2, Color: 0.05 lux, BW: 0.01 lux
IR Range	65 ft. (depending on scene reflection)
Focus	Motorized auto focus
White Balance	Automatic, Manual, ATW
Exposure Control	Yes
Digital Slow Shutter	Yes
De-Fog	Yes
WDR/BLC	Both
Day/Night	IR cut filter
DNR	2D+3D

Video Specifications

Supported Resolutions	1920x1080 / 1280x720 @ 60fps or 30fps
Compression	H.264 (HP/MP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	2 simultaneous streams

Audio Specifications

Mono Input	64Kbps G.711
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 output (terminal block)
Video	BNC out
Audio	1 input, 1 output (terminal block)
Power	2-pin terminal block
Storage	Micro SD slot

Network Specifications

Protocols	IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, Bonjour

Network Specifications (continued)

DDNS support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS
User Access	20 simultaneous users. Performance may vary depending on resolution and number of connections

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), tampering alarm, face detection
Alarm Triggers	Motion, sensor input, tamper detection, face detection, audio detection
Alarm Events	FTP video/image file upload, email image upload, micro SD card recording, relay out
Video Buffer	Configurable pre-record & post-record (5/5 sec)
Image Settings	Privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up)
PC Application	SecureGuard™

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	10.4W (PoE), 8.7W (12VDC)
Operating Temperature	14° F – 122° F
Operating Humidity	0% - 80% RH
Unit Dimensions	4.8" (H) x 5.5" (Dia.)
Unit Weight	2.16 lbs.
Certifications	FCC, UL, RoHS
Included in Package	Unit, CD (manual, software), mounting template sheet, mounting screws, mounting plate, BNC cable

Optional Accessories

INTWM
Wall Mount

IPPOEINJ1295
12.95W
PoE Injector

PSW5
12VDC
Power Supply

ONVIF

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Intensifier IP® Full HD 1080p 2MP Indoor/Outdoor Dome IP Camera with Chameleon Cover™

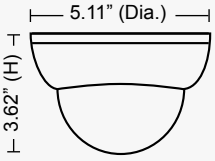
See Color at Night in Full HD 1080p without IR LEDs

O2iD4M 2.8-11mm auto iris varifocal motorized lens, dark grey housing

INT IP | WDR | PoE | MICRO SD SLOT | 2-WAY AUDIO

Features

- See color in low light without IR LEDs
- Motorized lens with auto focus
- Supports up to Full HD resolution @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- With presets: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- IP66 compliant
- ONVIF Profile S listed**
- 2 year warranty



Shown with included paintable, snap-on *Chameleon Cover™

Camera Specifications

Image Sensor ..... Progressive scan 1/3" CMOS, 2MP
Maximum Resolution ..... 1920 x 1080
Minimum Illumination ..... F1.2, Color: 0.001 lux (Max Intensify)
White Balance ..... ATW, Manual, Push
Exposure Control..... Yes
Intensify..... Selectable / Off
De-Fog ..... Yes
Backlight ..... WDR, BLC
DNR 3D (0-20)

Video Specifications

Main Resolution..... 1920x1080 @ 30fps
Compression ..... H.264 (HP/MP/BP), MJPEG
Bitrate Control..... VBR, CBR
Multiple Streaming..... 5 profiles

Audio Specifications

Mono Input..... 64Kbps G.711 / 32Kbps G.726
Mono Output..... 64Kbps G.711

External Terminal Specifications

Ethernet ..... 10/100 Mbps
Alarm..... 1 sensor input, 1 relay output
Video ..... Analog test output
Audio ..... 1 mic in, 1 line out (3.5mm)
Power..... DC jack
Storage ..... Micro SD slot

Network Specifications

Protocols..... IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS

Network Specifications (continued)

DDNS support ..... Speco DDNS (free of charge)
Security ..... User ID & Password protection, IP address filtering, digest authentication, user access log
User Access..... 8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE ..... Standard (IEEE 802.3af)
Analytics..... Motion detection (3 regions), audio detection
Alarm Triggers ..... Analytics & sensor input
Alarm Events ..... FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer ..... Configurable pre-record & post-record
Image Settings..... Privacy mask

Client Specifications

Web Browser Support Windows (Internet Explorer 8 and up, Chrome, Firefox)
PC Application ..... SecureGuard™ Plus

Operating & Unit Specifications

Power Supply ..... PoE, 12VDC (power supply not included)
Power Consumption..... 8W
Operating Temperature.... -4° F - 122° F
Operating Humidity ..... 8% - 80% RH
Unit Dimensions ..... 3.62" (H) x 5.11" (Dia.)
Unit Weight ..... 2 lbs.
Certifications..... FCC, RoHS
Included in Package..... Unit, CD (manual, software), mounting screws, L wrench

Free Apps with support for view on most smart devices

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended.**Visit www.specotech.com for latest ONVIF support. iPhone and iPad are trademarks of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/4/15

Optional Accessories

INTPM Pendant Mount

CVCJBD Dome Camera Junction Box

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

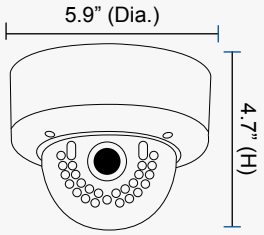
IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

Full HD 1080p 2MP Indoor/Outdoor Flush Mount Dome IP Camera with Integrated Junction Box

O2D7M 3-10mm auto iris varifocal motorized lens, dark grey housing

IP IR PoE DAY NIGHT 2-WAY AUDIO



Features

- Supports up to Full HD 1080p @ 30fps
- Motorized lens with auto focus
- Built-in standard PoE (IEEE 802.3af)
- Flush mount design
- Included junction box integrates with enclosure for wall/ceiling mounting
- Smart IR function provides vivid image with no saturation in darkness
- True Day/Night operation (IR cut filter)
- IR Range: 65' (depending on scene reflection)
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- Built-in heater reduces condensation under any weather condition
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/2.8" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination .....0 lux (IR LED on)
IR Range .....65' (depending on scene reflection)
White Balance.....Automatic, Manual
Exposure Control .....Yes
Digital Slow Shutter.....Yes
Backlight.....BLC/HSBLC
Day/Night .....IR cut filter
DNR.....Yes

Video Specifications

Supported Resolutions....1920x1080/1280x720/704x480/352x240 @ 30fps
Compression.....H.264, MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....3 streams

Audio Specifications

Mono Input 64Kbps G.711
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm .....1 sensor input, 1 output
Video .....BNC out
Audio .....1 input, 1 output
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, Bonjour
DDNS support.....Speco DDNS (free of charge)

Free Apps with support for view on most smart devices

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Network Specifications (continued)

Security .....User ID & Password protection, IP address filtering, HTTPS
User Access .....10 simultaneous users
Performance may vary depending on resolution and number of connections

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), tampering alarm, trip zone
Alarm Triggers.....Motion, sensor input, tamper detection, trip zone
Alarm Events.....FTP video/image file upload, email image upload, micro SD card recording, relay out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up)
PC Application.....SecureGuard™ Plus

Operating & Unit Specifications

Power Supply .....PoE, 12VDC (power supply not included)
Power Consumption.....8W
Operating Temperature...-4° F – 122° F
Operating Humidity .....8% – 80% RH
Unit Dimensions.....4.7" (H) x 5.9" (Dia.)
Unit Weight.....2.2 lbs.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws, L wrench

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

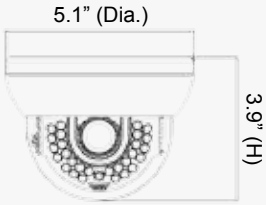
IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

Full HD 1080p 2MP Indoor/Outdoor Dome IP Camera

O2D5M 3-10mm auto iris varifocal motorized lens, dark grey housing

IP IR PoE DAY NIGHT 2-WAY AUDIO



Features

- Supports up to Full HD 1080p @ 30fps
- Motorized lens with auto focus
- Built-in standard PoE (IEEE 802.3af)
- Smart IR function provides vivid image with no saturation in darkness
- True Day/Night operation (IR cut filter)
- IR Range: 65' (depending on scene reflection)
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- Built-in heater reduces condensation under any weather condition
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/2.8" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination .....0 lux (IR LED on)
IR Range .....65' (depending on scene reflection)
White Balance.....Automatic, Manual
Exposure Control .....Yes
Digital Slow Shutter.....Yes
Backlight.....BLC/HSBLC
Day/Night .....IR cut filter
DNR.....Yes

Video Specifications

Supported Resolutions....1920x1080/1280x720/704x480/352x240 @ 30fps
Compression .....H.264, MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....3 streams

Audio Specifications

Mono Input 64Kbps G.711
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm .....1 sensor input, 1 output
Video .....BNC out
Audio .....1 input, 1 output
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, Bonjour
DDNS support.....Speco DDNS (free of charge)

Network Specifications (continued)

Security .....User ID & Password protection, IP address filtering, HTTPS
User Access .....10 simultaneous users
Performance may vary depending on resolution and number of connections

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), tampering alarm, trip zone
Alarm Triggers.....Motion, sensor input, tamper detection, trip zone
Alarm Events.....FTP video/image file upload, email image upload, micro SD card recording, relay out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up)
PC Application.....SecureGuard™ Plus

Operating & Unit Specifications

Power Supply .....PoE, 12VDC (power supply not included)
Power Consumption.....6W
Operating Temperature ...-4° F – 122° F
Operating Humidity .....8% – 80% RH
Unit Dimensions.....3.9" (H) x 5.1" (Dia.)
Unit Weight.....2 lbs.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws, L wrench

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Available on the App Store · Google play · ONVIF

Optional Accessories

INTPM Pendant Mount

CVCJBD Dome Camera Junction Box

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

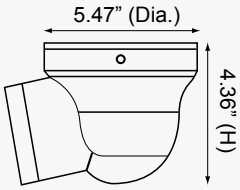
IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

Full HD 1080p 2MP Indoor/Outdoor Dome/Turret IP Camera

O2D60M 3-10mm auto iris varifocal motorized lens, dark grey housing

IP IR PoE DAY NIGHT 2-WAY AUDIO



Features

- Supports up to Full HD 1080p @ 30fps
- Motorized lens with auto focus
- Built-in standard PoE (IEEE 802.3af)
- Smart IR function provides vivid image with no saturation in darkness
- True Day/Night operation (IR cut filter)
- IR Range: 90' (depending on scene reflection)
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- Built-in heater reduces condensation under any weather condition
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/2.8" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination .....0 lux (IR LED on)
IR Range .....90' (depending on scene reflection)
White Balance.....Automatic, Manual
Exposure Control .....Yes
Digital Slow Shutter.....Yes
Backlight.....BLC/HSBLC
Day/Night .....IR cut filter
DNR.....Yes

Video Specifications

Supported Resolutions....1920x1080/1280x720/704x480/352x240 @ 30fps
Compression .....H.264, MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....3 streams

Audio Specifications

Mono Input 64Kbps G.711
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm .....1 sensor input, 1 output
Video .....BNC out
Audio .....1 input, 1 output
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, Bonjour
DDNS support.....Speco DDNS (free of charge)

Network Specifications (continued)

Security .....User ID & Password protection, IP address filtering, HTTPS
User Access .....10 simultaneous users
Performance may vary depending on resolution and number of connections

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), tampering alarm, trip zone
Alarm Triggers.....Motion, sensor input, tamper detection, trip zone
Alarm Events.....FTP video/image file upload, email image upload, micro SD card recording, relay out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up)
PC Application.....SecureGuard™ Plus

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....9W
Operating Temperature...-4° F – 122° F
Operating Humidity .....8% - 80% RH
Unit Dimensions.....4.36" (H) x 5.47" (Dia.)
Unit Weight.....3.1 lbs.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws, L wrench

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Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

JB03TG Large Round Junction Box

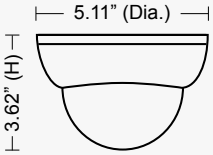
IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

Full HD 1080p 2MP Indoor/Outdoor Vandal Resistant Dome IP Camera

O2D4 3.6-16mm auto iris varifocal lens, dark grey housing

IP IR WDR PoE DAY NIGHT MICRO SD SLOT 2-WAY AUDIO



Features

- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 49' (depending on scene reflection)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- IP66 and IK08 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F1.4, 0.12 lux (IR on – 0 lux)
IR LEDs	18
IR Range	49' (depending on scene reflection)
White Balance	Automatic
Exposure Control	Yes
Digital Slow Shutter	Yes
WDR/BLC	WDR
Day/Night	IR-cut filter
DNR	2D/3D

Video Specifications

Supported Resolutions	1920x1080 @ 30fps / 1280x720 @ 30fps
Compression	H.264 (HP/MP/BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	5 simultaneous profiles

Audio Specifications

Mono Input	64Kbps G.711 / 32Kbps G.726
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 output
Video	Analog test output
Audio	1 mic in, 1 line out (3.5mm)
Power	DC jack
Storage	Micro SD slot

Network Specifications

Protocols	IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS

Network Specifications (continued)

DDNS support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), audio detection
Alarm Triggers	Analytics & sensor input
Alarm Events	FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer	Configurable pre-record & post-record
Image Settings	Text overlay, privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome and Firefox**)
Mobile Apps	Speco OnSIP (iPhone®, iPad® and Android™)
PC Application	Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	6W with IR
Operating Temperature	-4° F – 122° F
Operating Humidity	8% – 80% RH
Unit Dimensions	3.62" (H) x 5.11" (Dia.)
Unit Weight	2 lbs.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), mounting screws, L wrench

Free Apps with support for view on most smart devices

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Available on the App Store · Google play · ONVIF · OnSIP

Optional Accessories

INTPM Pendant Mount

CVCJBD Dome Camera Junction Box

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

IPPOEINJ1295 12.95W PoE Injector

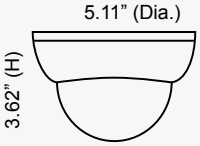
PSW5 12VDC Power Supply

Intensifier IP® HD Megapixel Indoor/Outdoor Vandal Resistant Dome IP Camera

See Color at Night in HD without IR LEDs

OiD4 3.6-16mm auto iris varifocal lens, dark grey housing

INT IP | WDR | PoE | DAY NIGHT | MICRO SD SLOT | 2-WAY AUDIO



Features

- See color in low light without IR LEDs
- Supports HD resolution @ 60fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- Presets for different lighting scenarios: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- 3 axis lens mount
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/3" CMOS, 1.3MP
Maximum Resolution 1280x720
Minimum Illumination .....F1.2, Color: 0.0005 lux
White Balance.....ATW, Manual
Intensify.....Auto / Off (selectable max. x128)
Exposure Control .....Yes
Digital Slow Shutter.....Yes
De-Fog .....Yes
Backlight.....WDR, BLC
Day/Night .....IR cut filter
DNR.....2D/3D

Video Specifications

Main Resolution .....1280x720 @ 60fps or 30fps
Compression.....H.264 (HP/MP), MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....5 simultaneous profiles

Audio Specifications

Mono Input .....64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm.....1 sensor input, 1 relay output
Video .....Analog test output
Audio .....1 mic in, 1 line out (3.5mm)
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS

Network Specifications (continued)

DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, digest authentication, user access log
User Access .....8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), audio detection
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up, Chrome, Firefox**)
PC Application.....SecureGuard™

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....7W
Operating Temperature...-4° F - 122° F
Operating Humidity .....8% -80% RH
Unit Dimensions.....3.62" (H) x 5.11" (Dia.)
Unit Weight.....2 lbs.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws, L wrench

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Available on the App Store | Google play | ONVIF

Optional Accessories

INTPM Pendant Mount

CVCJBD Dome Camera Junction Box

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

IPPOEINJ1295 12.95W PoE Injector

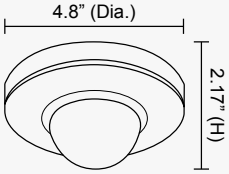
PSW5 12VDC Power Supply

Intensifier IP® Full HD 2MP 1080p Indoor/ Outdoor Miniature Dome IP Camera

See Color at Night in Full HD 1080p without IR LEDs

O2iMD1 2.9mm fixed lens, dark grey housing

INT IP | WDR | PoE | MICRO SD SLOT | 2-WAY AUDIO



Features

- See color in low light without IR LEDs
- Supports up to Full HD resolution @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- With presets: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- 3 axis lens mount
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/3" CMOS, 2MP
Maximum Resolution	1920 x 1080
Minimum Illumination	F1.2, Color: 0.001 lux (Max Intensify)
White Balance	ATW, Manual, Push
Intensify	Selectable / Off
Exposure Control	Yes
De-Fog	Yes
Backlight	WDR, BLC
DNR	3D (0-20)

Video Specifications

Main Resolution	1920x1080 @ 30fps
Compression	H.264 (HP/MP/BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	5 profiles

Audio Specifications

Mono Input	64Kbps G.711 / 32Kbps G.726
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 relay output
Video	Analog test output
Audio	1 mic in, 1 line out (3.5mm)
Power	DC jack
Storage	Micro SD slot

Network Specifications

Protocols	IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS

Network Specifications (continued)

DDNS support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), audio detection
Alarm Triggers	Analytics & sensor input
Alarm Events	FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer	Configurable pre-record & post-record
Image Settings	Privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome, Firefox)
PC Application	SecureGuard™ Plus

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	7W
Operating Temperature	-4° F – 122° F
Operating Humidity	8% - 80% RH
Unit Dimensions	2.17" (H) x 4.8" (Dia.)
Unit Weight	14 oz.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), mounting screws, L wrench

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Spec Rev. 2/24/15

Optional Accessories

INTPM* Pendant Mount

CVCJBD* Dome Camera Junction Box

INTWM* Wall Mount

OADP4 Adaptor Plate

IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

* use with OADP4

Intensifier IP® Full HD 1080p 2MP Indoor/ Outdoor Miniature Dome/Turret IP Camera

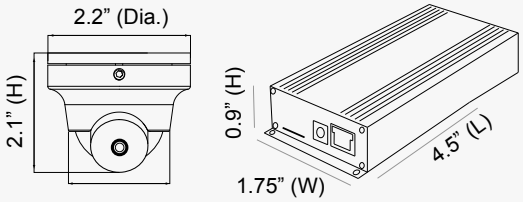
See Color at Night in Full HD 1080p without IR LEDs

O2iMT61 2.9mm fixed lens, white housing

INT IP | WDR | PoE | MICRO SD SLOT | 2-WAY AUDIO

Features

- See color in low light without IR LEDs
- Supports up to Full HD resolution @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- With presets: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Small footprint allows camera unit to be installed in small spaces discreetly
- Attached cable (16 ft) connects camera unit to main unit for flexible placement
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- IP66 compliant (camera unit)
- ONVIF Profile S listed*
- 2 year warranty



Camera Specifications

Image Sensor	Progressive scan 1/3" CMOS, 2.0MP
Maximum Resolution	1920 x 1080
Minimum Illumination	F1.2, Color: 0.001 lux (Max Intensify)
White Balance	ATW, Manual, Push
Intensify	Selectable / Off
Exposure Control	Yes
De-Fog	Yes
Backlight	WDR, BLC
DNR	3D (0-20)

Video Specifications

Main Resolution	1920x1080 @ 30fps
Compression	H.264 (HP/MP/BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	5 profiles

Audio Specifications

Mono Input	64Kbps G.711 / 32Kbps G.726
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 relay output
Audio	1 mic in, 1 line out
Power	DC jack
Storage	Micro SD slot

Network Specifications

Protocols	IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS
DDNS support	Speco DDNS (free of charge)

Network Specifications (continued)

Security	User ID & Password protection, IP address filtering, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), audio detection
Alarm Triggers	Analytics & sensor input
Alarm Events	FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer	Configurable pre-record & post-record
Image Settings	Privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome, Firefox)
PC Application	SecureGuard™ Plus

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	7W
Operating Temperature	14° F – 122° F
Operating Humidity	8% - 80% RH
Unit Dimensions	Camera: 2.2" (Dia.) x 2.1" (H) Main Unit: 4.5" (L) x 1.75" (W) x 0.9" (H)
Unit Weight	Camera: 10 oz. / Main Unit: 5 oz.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), mounting screws, L wrench

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Optional Accessories

IPPOEINJ1295
12.95W
PoE Injector

PSW5
12VDC
Power Supply

O2MTOH
Outdoor Housing
for Encoder Box

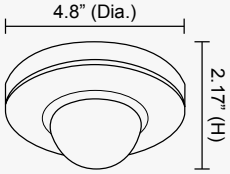
Intensifier IP® HD Megapixel Indoor/Outdoor Miniature Dome IP Camera

See Color at Night in HD without IR LEDs

OiMD1 3.7mm fixed lens, dark grey housing

OiMD1W 3.7mm fixed lens, white housing

INT IP | WDR | PoE | DAY NIGHT | MICRO SD SLOT | 2-WAY AUDIO



Features

- See color in low light without IR LEDs
- Supports HD resolution @ 60fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- Presets for different lighting scenarios: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- 3 axis lens mount
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/3" CMOS, 1.3MP
Maximum Resolution 1280x720
Minimum Illumination .....F1.2, Color: 0.0005 lux
White Balance.....ATW, Manual
Intensify.....Auto / Off (selectable max. x128)
Exposure Control .....Yes
Digital Slow Shutter.....Yes
De-Fog .....Yes
Backlight.....WDR, BLC
Day/Night .....IR cut filter
DNR.....2D/3D

Video Specifications

Main Resolution .....1280x720 @ 60fps or 30fps
Compression.....H.264 (HP/MP), MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....5 simultaneous profiles

Audio Specifications

Mono Input .....64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm.....1 sensor input, 1 relay output
Video .....Analog test output
Audio .....1 mic in, 1 line out (3.5mm)
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS

Network Specifications (continued)

DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, digest authentication, user access log
User Access .....8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), audio detection
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up, Chrome, Firefox**)
PC Application.....SecureGuard™

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....7W
Operating Temperature...-4° F - 122° F
Operating Humidity .....8% - 80% RH
Unit Dimensions.....2.17" (H) x 4.8" (Dia.)
Unit Weight.....14.4 oz.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws, L wrench

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Optional Accessories

INTPM Pendant Mount

CVCJBD* Dome Camera Junction Box

INTWM Wall Mount

OADP4 Adaptor Plate

IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

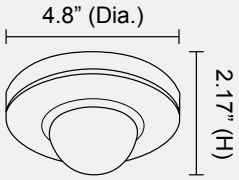
* use with OADP4

5MP 360° Panoramic Indoor/Outdoor Miniature Dome IP Camera

O5MDP1 0.98-1.12mm panomorph lens, dark grey housing

O5MDP1W 0.98-1.12mm panomorph lens, white housing

IP WDR POE MICRO SD SLOT 2-WAY AUDIO



Features

- 360° field of view - built-in 360° panomorph ImmerVision Enables certified lens
- Various panoramic viewing features
- 5MP resolution
- Built-in standard PoE (IEEE 802.3af)
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/2.5" CMOS, 5.0MP
Maximum Resolution 2592x1944
Minimum Illumination .....F1.4, 0.12 lux
S/N Ratio.....47dB
White Balance.....Automatic
Exposure Control .....Yes
Digital Slow Shutter.....Yes
WDR/BLC.....WDR
Day/Night .....N/A
DNR.....2D/3D

Video Specifications

Supported Resolutions....2592x1944 @ 10fps
Compression.....H.264 (HP/MP/BP), MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....5 simultaneous profiles

Audio Specifications

Mono Input .....64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm.....1 sensor input, 1 output
Audio .....1 mic in, 1 line out (3.5mm)
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS

Network Specifications (continued)

DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access .....8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), audio detection
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Text overlay, privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up, Chrome and Firefox**)
Mobile Apps.....Speco OnSIP (iPhone®, iPad® and Android™)
PC Application.....Speco NVR

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....3W
Operating Temperature...-4° F – 122° F
Operating Humidity .....8% – 80% RH
Unit Dimensions..... 2.17" (H) x 4.8" (Dia.)
Unit Weight.....14.40 oz.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), L wrench, mounting screws

ImmerVision Enables

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Available on the App Store · Google play · ONVIF · OnSIP

Optional Accessories

INTPM* Pendant Mount

CVCJBD* Dome Camera Junction Box

INTWM* Wall Mount

OADP4 Adaptor Plate

IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

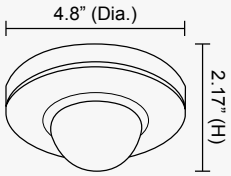
* use with OADP4

Full HD 1080p 2MP Indoor/Outdoor Miniature Dome IP Camera

IP IR WDR PoE DAY NIGHT MICRO SD SLOT 2-WAY AUDIO

O2MD1 3.7mm fixed lens, dark grey housing

O2MD1W 3.7mm fixed lens, white housing



Features

- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 30' (depending on scene reflection)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F1.4, 0.12 lux (IR on – 0 lux)
S/N Ratio	50dB
IR LEDs	12
IR Range	30' (depending on scene reflection)
White Balance	Automatic
Exposure Control	Yes
Digital Slow Shutter	Yes
WDR/BLC	WDR
Day/Night	IR-cut filter
DNR	2D/3D

Video Specifications

Supported Resolutions	1920x1080 @ 30fps / 1280x720 @ 30fps
Compression	H.264 (HP / MP / BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	5 simultaneous profiles

Audio Specifications

Mono Input	64Kbps G.711 / 32Kbps G.726
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 output
Audio	1 mic in, 1 line out (3.5mm)
Power	DC jack
Storage	Micro SD slot

Network Specifications

Protocols	IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS

Network Specifications (continued)

DDNS Support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), audio detection
Alarm Triggers	Analytics & sensor input
Alarm Events	FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer	Configurable pre-record & post-record
Image Settings	Text overlay, privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome and Firefox**)
Mobile Apps	Speco OnSIP (iPhone®, iPad® and Android™)
PC Application	Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	6W with IR
Operating Temperature	-13° F - 122° F
Operating Humidity	8% – 80% RH
Unit Dimensions	2.17" (H) x 4.8" (Dia.)
Unit Weight	14.40 oz.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), L wrench, mounting screws

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Optional Accessories

INTPM* Pendant Mount

CVCJBD* Dome Camera Junction Box

INTWM* Wall Mount

OADP4 Adaptor Plate

IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

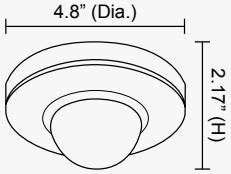
* use with OADP4

Full HD 1080p 2MP Indoor/Outdoor Miniature Dome IP Camera

O2MD2 3.7mm fixed lens, dark grey housing

O2MD2W 3.7mm fixed lens, white housing

IP IR WDR PoE DAY NIGHT



Features

- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 30' (depending on scene reflection)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F2.0, 0.2 lux (IR on – 0 lux)
S/N Ratio	50dB
IR LEDs	12
IR Range	30' (depending on scene reflection)
White Balance	AWB
Exposure Control	Yes
Digital Slow Shutter	Yes
WDR/BLC	WDR
Day/Night	IR-cut filter
DNR	2D/3D

Video Specifications

Supported Resolutions	Main profile: 1920x1080 / 1280x720 @ 30fps
Compression	H.264 (MP/BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	3 simultaneous profiles

External Terminal Specifications

Ethernet	10/100 Mbps
Power	DC jack

Network Specifications

Protocols	IPv4, TCP, UDP, RTCP, RTP, RTSP, HTTP, SMTP, FTP, DHCP, UPnP, NTP, DNS
DDNS support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions)
Events	FTP video file upload, email image upload
Video Buffer	Configurable pre-record & post-record
Image Settings	Text overlay, privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome, Firefox**)
Mobile Apps	Speco OnSIP (iPhone®, iPad® and Android™)
PC Application	Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	7W with IR
Operating Temperature	-13° F - 122° F
Operating Humidity	8% – 80% RH
Unit Dimensions	4.8" (Dia.) x 2.17" (H)
Unit Weight	14.40 oz.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), L wrench, mounting screws

Free Apps with support for view on most smart devices

*Visit www.specotech.com for latest ONVIF support.

**Chrome and Firefox use Java which requires an initial internet connection. iPhone and iPad are trademarks of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 9/4/14

Optional Accessories

INTPM* Pendant Mount

CVCJBD* Dome Camera Junction Box

INTWM* Wall Mount

OADP4 Adaptor Plate

IPPOEINJ1295 12.95W PoE Injector

PSW5 12VDC Power Supply

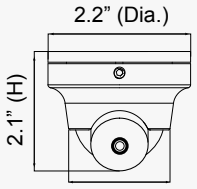
* use with OADP4

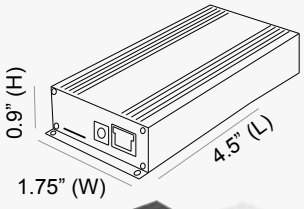
Full HD 1080p 2MP Indoor/Outdoor Miniature Dome/Turret IP Camera

O2MT61B 3.7mm fixed lens, black housing

O2MT61 3.7mm fixed lens, white housing

IP WDR PoE MICRO SD SLOT 2-WAY AUDIO





Features

- Separate camera and encoder units allow for flexibility and easy placement
- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/2.7" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination .....F1.4, 0.12 lux
S/N Ratio.....39dB
White Balance.....Automatic
Digital Slow Shutter.....Yes
WDR/BLC.....WDR
DNR.....2D/3D

Video Specifications

Supported Resolutions....1920x1080 @ 30fps / 1280x720 @ 30fps
Compression.....H.264 (HP/MP/BP), MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....5 simultaneous profiles

Audio Specifications

Mono Input .....64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm.....1 sensor input, 1 relay output
Audio .....1 mic in, 1 line out (3.5mm)
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTCP, RTP, RTSP, HTTP, SMTP, FTP, DHCP, UPnP, NTP, DNS
DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, digest authentication, user access log

Network Specifications (continued)

User Access .....8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), audio detection
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Text overlay, privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up)
Mobile Apps.....Speco OnSIP (iPhone®, iPad® and Android™)
PC Application.....Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....8W
Operating Temperature...32° F – 113° F
Operating Humidity .....8% – 80% RH
Unit Dimensions.....Camera: 2.2" (Dia.) x 2.1" (H)
Encoder Box: 1.75" (W) x 0.9" (H) x 4.5" (L)
Unit Weight.....12.80 oz.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), screws

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Optional Accessories

IPPOEINJ1295
12.95W
PoE Injector

PSW5
12VDC
Power Supply

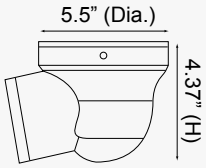
O2MTOH
Outdoor Housing
for Encoder Box

Intensifier®3 Series Indoor/Outdoor Dome/Turret IP Camera

See Color In Almost Complete Darkness Without IR LEDs

OINT03D1G 2.8-12mm auto iris varifocal lens, dark grey housing

IP INT 3 2-WAY AUDIO



Features

- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- External controls for zoom and focus
- Supports up to D1 resolution @ 30fps
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- IP67 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....1/3" Sony Super HAD II™ CCD
Maximum Resolution 704x480
Minimum Illumination .....CDS off: 0.15 lux, CDS on: 0.00002 lux
White Balance.....ATW / Indoor / Outdoor / Manual
Exposure Control .....Yes
Digital Slow Shutter.....Yes
WDR/BLC.....BLC
Day/Night .....Yes
DNR.....On / Off
Intensifier3®.....Auto / Off (selectable 2x – 512x)

Video Specifications

Supported Resolutions...704x480 / 640x480 / 704x240 / 352x240 / 176x112 @ 30fps
Compression.....H.264, MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....5 simultaneous profiles

Audio Specifications

Mono Input 64Kbps G.711
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm.....1 sensor input, 1 relay output
Video .....Analog test output
Audio .....1 mic in, 1 line out (3.5mm)
Power .....DC jack

Network Specifications

Protocols .....IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS

Network Specifications (continued)

DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access .....8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE.....N/A
Analytics.....Motion detection (3 regions), audio detection
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video file upload, email image upload, alarm out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Text overlay, privacy mask

Client Specifications

Web Browser Support....Windows (Internet Explorer 8 and up)
Mobile Apps.....Speco ONSIP (iPhone®, iPad® and Android™)
PC Application.....Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply.....12VDC (power supply not included)
Power Consumption.....6W
Operating Temperature ...-13° F – 122° F
Operating Humidity .....8% – 80% RH
Unit Dimensions.....4.37" (H) x 5.5" (Dia.)
Unit Weight.....3.1 lbs.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws, L wrench, test monitor cable

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Optional Accessories

INTPM Pendant Mount

INTWM Dome Wall Mount

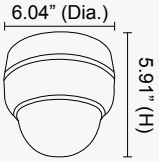
JB03TG Large Round Junction Box

PSW5 12VDC Power Supply

Full HD 1080p 2MP Indoor/Outdoor 12x PTZ IP Camera

VIP2PTZ12X 5.32-62.61mm 12x optical zoom lens, white housing

IP | WDR | PoE | DAY NIGHT | DIGITAL DETERRENT | 2-WAY AUDIO



Features

- Supports up to Full HD 1080p@60fps
- Built-in standard PoE (IEEE 802.3af)
- 12x optical zoom with auto focus
- True Day/Night operation (IR cut filter)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Digital Deterrent®
- IP66 and IK10 compliant
- ONVIF Profile S listed*
- 1 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.8" Sony Exmor CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	Color: 0.5 lux, BW: 0.1 lux
White Balance	Automatic, Manual
Exposure Control	Yes
Digital Slow Shutter	Yes
WDR/BLC	Both, WDR/BLC
Day/Night	IR cut filter
DNR	2D

Video Specifications

Supported Resolutions	1920x1080 / 1280x1024 / 1280x720 / 704x576 / 704x480 / 640x480 / 320x240 @ 60fps or 30 fps
Compression	H.264 (HP/MP/BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	3 simultaneous profiles

PTZ Specifications

Pan Range	360° endless
Pan Speed	Preset: Max 380°/sec, Manual: Max 380°/sec
Tilt Range	0° - 180°
Tilt Speed	Preset: Max 380°/sec, Manual: Max 300°/sec
Presets	240 positions
Tour	Max. 8 programmable group tours
Protocol	Pelco-D, Pelco-P

Audio Specifications

Mono Input	64Kbps G.711
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 output
Analog Video	N/A

External Terminal Specifications (continued)

Audio	1 mic in, 1 line out (3.5mm)
Power	DC jack
Communication	RS-485

Network Specifications

Protocols	IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, Bonjour
DDNS support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS
User Access	10 simultaneous users Performance may vary depending on resolution and number of connections

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (8 regions)
Alarm Triggers	Motion, sensor input, on boot, network loss, manual
Alarm Events	FTP image file upload, email notification, HTTP server, alarm out, boost
Video Buffer	Configurable pre-record & post-record
Image Settings	Privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome, Firefox)
Mobile Apps	Speco VIP (iPhone®, iPad® and Android™)
PC Application	Speco VMS

Operating & Unit Specifications

Power Supply	PoE, 12VDC, 24VAC (power supply not included)
Power Consumption	12W
Operating Temperature	-15° F – 122° F
Operating Humidity	0% – 90% RH
Unit Dimensions	6.04" (Dia.) x 5.91" (H)
Unit Weight	3.52 lbs.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), mounting template sheet, mounting bracket, safety lanyard, accessory kit, accessory connector

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Spec Rev. 11/19/14

Available on the App Store | Google play | ONVIF | VIP series

Optional Accessories

KBDPTZ1
Keyboard Controller

IPPOEINJ1295
12.95W PoE Injector

PSW4
24VAC Power Supply

PSW5
12VDC Power Supply

See full list of optional mounting accessories on page 37.

Full HD 1080p 2MP Indoor/Outdoor PTZ IP Camera

O2P30 4.3-129mm 30x optical zoom lens, white housing

IP WDR PoE DAY NIGHT SD SLOT 2-WAY AUDIO

Features

- Supports Full HD 1080p @ 30fps
- Built-in PoE+ (IEEE 802.3at)
- 30x optical zoom
- True Day/Night operation (IR cut filter)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- SD card slot (card not included)
- IP66 compliant
- ONVIF Profile S listed*
- Mounting bracket sold separately (O2PWB)
- 1 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/2.8" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination .....F1.6, Color: 1 lux, BW: 0.01 lux
White Balance.....Automatic, Manual, ATW
Exposure Control .....Yes
Digital Slow Shutter.....Yes
WDR/BLC.....Both
Day/Night .....IR cut filter
DNR.....2D+3D

Video Specifications

Supported Resolutions....1920x1080 / 1280x720 @ 30fps
Compression.....H.264 (HP/MP), MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....2 simultaneous streams

Audio Specifications

Mono Input 64Kbps G.711
Mono Output 64Kbps G.711

PTZ Specifications

Pan Range .....0°-360° endless
Pan Speed .....Max. 500°/sec
Tilt Range.....0° - 180°
Tilt Speed .....Max. 500°/sec
Presets .....256 positions
Tour .....Max. 10 programmable group tours
Auto Pan .....2 to 8 points
Pattern.....4 programmable patterns (760 commands/pattern)
Group .....10 groups (8 presets/group)

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm.....4 sensor inputs, 2 relay outputs
Video .....BNC out

External Terminal Specifications (continued)

Audio .....1 mic in, 1 line out (terminal block)
Power .....2-pin terminal block
Storage.....SD slot

Network Specifications

Protocols .....IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS
DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access .....10 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE.....PoE+ (IEEE 802.3at)
Analytics.....Motion detection (3 regions)
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video/image file upload, email image upload, SD card recording, relay out, go to preset
Video Buffer.....Configurable pre-record & post-record (5/5 sec)
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up)
PC Application.....SecureGuard™

Operating & Unit Specifications

Power Supply.....PoE, 24VAC (power supply not included)
Power Consumption.....Max. 23W
Operating Temperature...-4° F – 122° F
Operating Humidity .....0% – 80% RH
Unit Dimensions.....7.68" (Dia.) x 9.01" (H)
Unit Weight.....7.3 lbs.
Certifications .....FCC, UL, RoHS
Included in Package.....Unit, CD (manual, software), mounting adaptor

Optional Accessories

O2PWB*
Wall Mount Bracket

IPPOEINJ25
25W PoE Injector

PSW4
24VAC
Power Supply

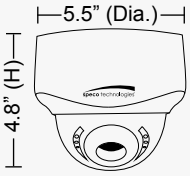
***must be used to mount camera**

*Visit www.specotech.com for latest ONVIF support. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 10/1/14

Full HD 1080p 2MP Indoor Dome IP Camera

O2DP14 3-9mm auto iris varifocal motorized lens, dark grey housing

IP IR WDR PoE DAY NIGHT EZ FOCUS MICRO SD SLOT 2-WAY AUDIO



Features

- EZ Focus: motorized pan, tilt & 3x zoom lens with auto focus for completely hassle-free remote focusing
- Supports up to Full HD 1080p @ 60fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 65 ft. (depending on scene reflection)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.8" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F1.2, Color: 0.05 lux, BW: 0.01 lux
IR Range	65' (depending on scene reflection)
Focus	Motorized auto focus
White Balance	Automatic, Manual, ATW
Exposure Control	Yes
Digital Slow Shutter	Yes
De-Fog	Yes
WDR/BLC	Both
Day/Night	IR cut filter
DNR	2D+3D

Video Specifications

Supported Resolutions	1920x1080 / 1280x720 @ 60fps or 30fps
Compression	H.264 (HP/MP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	2 simultaneous streams

Audio Specifications

Mono Input	64Kbps G.711
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 output (terminal block)
Video	BNC out
Audio	1 input, 1 output (terminal block)
Power	2-pin terminal block
Storage	Micro SD slot

Network Specifications

Protocols	IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, Bonjour

Network Specifications (continued)

DDNS support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS
User Access	20 simultaneous users. Performance may vary depending on resolution and number of connections

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), tampering alarm, face detection
Alarm Triggers	Motion, sensor input, tamper detection, face detection, audio detection
Alarm Events	FTP video/image file upload, email image upload, micro SD card recording, relay out
Video Buffer	Configurable pre-record & post-record (5/5 sec)
Image Settings	Privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up)
PC Application	SecureGuard™

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	10.4W (PoE), 8.7W (12VDC)
Operating Temperature	32° F - 113° F
Operating Humidity	0% - 80% RH
Unit Dimensions	4.8" (H) x 5.5" (Dia.)
Unit Weight	1.34 lbs.
Certifications	FCC, UL, RoHS
Included in Package	Unit, CD (manual, software), mounting template sheet, mounting screws, mounting plate, BNC cable

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Optional Accessories

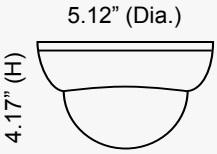
IPPOEINJ1295
12.95W
PoE Injector

PSW5
12VDC
Power Supply

Full HD 1080p 2MP Indoor Dome IP Camera

O2DP8M 3-10mm auto iris varifocal motorized lens, white housing

IP IR PoE DAY NIGHT 2-WAY AUDIO



Features

- Supports up to Full HD 1080p @ 30fps
- Motorized lens with auto focus
- Built-in standard PoE (IEEE 802.3af)
- Smart IR function provides vivid image with no saturation in darkness
- True Day/Night operation (IR cut filter)
- IR Range: 65' (depending on scene reflection)
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/2.8" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination .....0 lux (IR LED on)
IR Range .....90' (depending on scene reflection)
White Balance.....Automatic, Manual
Exposure Control .....Yes
Digital Slow Shutter.....Yes
Backlight.....BLC/HSBLC
Day/Night .....IR cut filter
DNR.....Yes

Video Specifications

Supported Resolutions....1920x1080/1280x720/704x480/352x240 @ 30fps
Compression.....H.264, MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....3 streams

Audio Specifications

Mono Input 64Kbps G.711
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm.....1 sensor input, 1 output
Video .....BNC out
Audio .....1 input, 1 output
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, Bonjour
DDNS support.....Speco DDNS (free of charge)

Network Specifications (continued)

Security .....User ID & Password protection, IP address filtering, HTTPS
User Access .....10 simultaneous users
Performance may vary depending on resolution and number of connections

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), tampering alarm, trip zone
Alarm Triggers.....Motion, sensor input, tamper detection, trip zone
Alarm Events.....FTP video/image file upload, email image upload, micro SD card recording, relay out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up)
PC Application.....SecureGuard™ Plus

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....6W
Operating Temperature...14° F – 122° F
Operating Humidity .....8% - 80% RH
Unit Dimensions.....4.17" (H) x 5.12" (Dia.)
Unit Weight.....1.3 lbs.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws, L wrench

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Spec Rev. 2/12/15

Optional Accessories

DFM
Tile Ceiling Flush Mount Accessory

CVCWM
Corner Mount

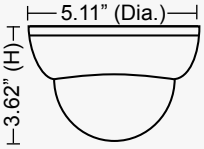
IPPOEINJ1295
12.95W PoE Injector

PSW5
12VDC Power Supply

Full HD 1080p 2MP Indoor Dome IP Camera

O2DP8 3.6-16mm auto iris varifocal lens, white housing

IP IR WDR PoE DAY NIGHT MICRO SD SLOT 2-WAY AUDIO



Features

- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 49' (depending on scene reflection)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor ..... Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination ..... F1.4, 0.12 lux (IR on – 0 lux)
IR LEDs 18
IR Range ..... 49' (depending on scene reflection)
White Balance ..... Automatic
Exposure Control ..... Yes
Digital Slow Shutter ..... Yes
WDR/BLC ..... WDR
Day/Night ..... IR-cut filter
DNR 2D/3D

Video Specifications

Supported Resolutions ... 1920x1080 @ 30fps / 1280x720 @ 30fps
Compression ..... H.264 (HP/MP/BP), MJPEG
Bitrate Control ..... VBR, CBR
Multiple Streaming ..... 5 simultaneous profiles

Audio Specifications

Mono Input ..... 64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet ..... 10/100 Mbps
Alarm ..... 1 sensor input, 1 output
Video ..... Analog test output
Audio ..... 1 mic in, 1 line out (3.5mm)
Power ..... DC jack
Storage ..... Micro SD slot

Network Specifications

Protocols ..... IPv4, IPv6, TCP, UDP, IGMP, ICMP, ICMPv6, ARP, RARP, PPPoE, RTCP, RTP, RTSP, SDP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS, DynDNS, SOCKS

Network Specifications (continued)

DDNS Support ..... Speco DDNS (free of charge)
Security ..... User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access ..... 8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE ..... Standard (IEEE 802.3af)
Analytics ..... Motion detection (3 regions), audio detection
Alarm Triggers ..... Analytics & sensor input
Alarm Events ..... FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer ..... Configurable pre-record & post-record
Image Settings ..... Text overlay, privacy mask

Client Specifications

Web Browser Support ..... Windows (Internet Explorer 8 and up, Chrome and Firefox**)
Mobile Apps ..... Speco OnSIP (iPhone®, iPad® and Android™)
PC Application ..... Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply ..... PoE, 12VDC (power supply not included)
Power Consumption ..... 6W with IR
Operating Temperature ... 32° F – 113° F
Operating Humidity ..... 8% – 80% RH
Unit Dimensions ..... 3.62" (H) x 5.11" (Dia.)
Unit Weight ..... 1 lb.
Certifications ..... FCC, RoHS
Included in Package ..... Unit, CD (manual, software), mounting screws

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*Visit www.specotech.com/onvif.html for latest ONVIF support
**Chrome and Firefox use Java which requires an initial internet connection.
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Optional Accessories

INTWMW
Indoor Wall Mount

DFM
Tile Ceiling Flush Mount

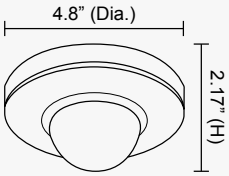
IPPOEINJ1295
12.95W PoE Injector

PSW5
12VDC Power Supply

Full HD 1080p 2MP Indoor Miniature Dome IP Camera

O2DP9 3.7mm fixed lens, white housing

IP IR WDR PoE DAY NIGHT



Features

- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 30' (depending on scene reflection)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F2.0, 0.2 lux (IR on – 0 lux)
S/N Ratio	50dB
IR LEDs	12
IR Range	30' (depending on scene reflection)
White Balance	AWB
Exposure Control	Yes
Digital Slow Shutter	Yes
WDR/BLC	WDR
Day/Night	IR-cut filter
DNR	2D/3D

Video Specifications

Supported Resolutions	Main profile: 1920x1080 / 1280x720 @ 30fps
Compression	H.264 (MP/BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	3 simultaneous profiles

External Terminal Specifications

Ethernet	10/100 Mbps
Power	DC jack

Network Specifications

Protocols	IPv4, TCP, UDP, RTCP, RTP, RTSP, HTTP, SMTP, FTP, DHCP, UPnP, NTP, DNS
DDNS support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions)
Events	FTP video file upload, email image upload
Video Buffer	Configurable pre-record & post-record
Image Settings	Text overlay, privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome, Firefox**)
Mobile Apps	Speco OnSIP (iPhone®, iPad® and Android™)
PC Application	Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	7W with IR
Operating Temperature	32° F – 113° F
Operating Humidity	8% – 80% RH
Unit dimensions	4.8" (Dia.) x 2.17" (H)
Unit Weight	12.80 oz.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), mounting screws

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**Chrome and Firefox use Java which requires an initial internet connection.

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Optional Accessories

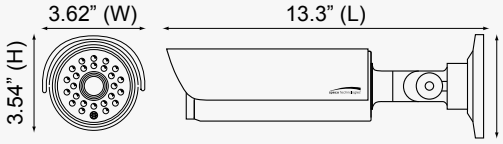
IPPOEINJ1295
12.95W
PoE Injector

PSW5
12VDC
Power Supply

Full HD 1080p 2MP Bullet IP Camera

O2B16 3-9mm auto iris varifocal motorized lens, dark grey housing

IP IR WDR PoE DAY NIGHT EZ FOCUS MICRO SD SLOT 2-WAY AUDIO



Features

- EZ Focus: Motorized 3x zoom lens with auto focus for completely hassle-free remote focusing
- Supports up to Full HD 1080p @ 60fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 98 ft. (depending on scene reflection)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor..... Progressive scan 1/2.8" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination ..... F1.2, Color: 0.05 lux, BW: 0.01 lux
IR Range ..... 98 ft. (depending on scene reflection)
Focus..... Motorized auto focus
White Balance ..... Automatic, Manual, ATW
Exposure Control ..... Yes
Digital Slow Shutter..... Yes
De-Fog ..... Yes
WDR/BLC..... Both
Day/Night ..... IR cut filter
DNR..... 2D+3D

Video Specifications

Supported Resolutions... 1920x1080 / 1280x720 @ 60fps or 30fps
Compression ..... H.264 (HP/MP), MJPEG
Bitrate Control ..... VBR, CBR
Multiple Streaming ..... 2 simultaneous streams

Audio Specifications

Mono Input 64Kbps G.711
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet..... 10/100 Mbps
Alarm ..... 1 sensor input, 1 output (terminal block)
Video ..... BNC out
Audio ..... 1 input, 1 output (terminal block)
Power ..... 2-pin terminal block
Storage..... Micro SD slot

Network Specifications

Protocols ..... IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, Bonjour

Network Specifications (continued)

DDNS support..... Speco DDNS (free of charge)
Security ..... User ID & Password protection, IP address filtering, HTTPS
User Access ..... 20 simultaneous users. Performance may vary depending on resolution and number of connections

System Specifications

PoE..... Standard (IEEE 802.3af)
Analytics..... Motion detection (3 regions), tampering alarm, face detection
Alarm Triggers..... Motion, sensor input, tamper detection, face detection, audio detection
Alarm Events..... FTP video/image file upload, email image upload, micro SD card recording, relay out
Video Buffer..... Configurable pre-record & post-record (5/5 sec)
Image Settings ..... Privacy mask

Client Specifications

Web Browser Support... Windows (Internet Explorer 8 and up)
PC Application..... SecureGuard™

Operating & Unit Specifications

Power Supply..... PoE, 12VDC (power supply not included)
Power Consumption..... 9.6W (PoE), 9.1W (12VDC)
Operating Temperature .. 14° F - 122° F
Operating Humidity ..... 0% - 80% RH
Unit Dimensions..... 3.62" (W) x 3.54" (H) x 13.3" (L)
Unit Weight..... 3.74 lbs.
Certifications ..... FCC, UL, RoHS
Included in Package..... Unit, CD (manual, software), mounting template sheet, mounting screws, BNC cable

Optional Accessories

IPPOEINJ1295
12.95W
PoE Injector

PSW5
12VDC
Power Supply

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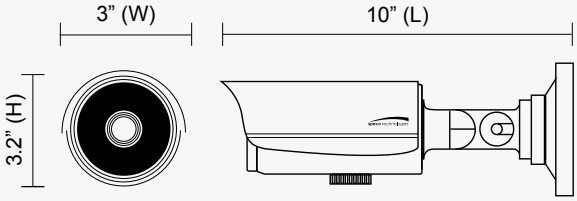
ONVIF

Intensifier IP® Full HD 1080p 2MP Indoor/Outdoor Bullet IP Camera

See Color at Night in Full HD 1080p without IR LEDs

O2iB3M 2.8-11mm auto iris varifocal motorized lens, dark grey housing

INT IP | WDR | PoE | MICRO SD SLOT | 2-WAY AUDIO



Features

- See color in low light without IR LEDs
- Motorized lens with auto focus
- Supports up to Full HD resolution @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- With presets: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- Built-in heater and anti-fog glass reduces condensation under any weather condition
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor ..... Progressive scan 1/3" CMOS, 2MP
Maximum Resolution ..... 1920 x 1080
Minimum Illumination ..... F1.2, Color: 0.001 lux (Max Intensify)
White Balance ..... ATW, Manual, Push
Intensify ..... Selectable / Off
Exposure Control ..... Yes
De-Fog ..... Yes
Backlight ..... WDR, BLC
DNR 3D (0-20)

Video Specifications

Main Resolution ..... 1920x1080 @ 30fps
Compression ..... H.264 (HP/MP/BP), MJPEG
Bitrate Control ..... VBR, CBR
Multiple Streaming ..... 5 profiles

Audio Specifications

Mono Input ..... 64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet ..... 10/100 Mbps
Alarm ..... 1 sensor input, 1 relay output
Video ..... Analog test output
Audio ..... 1 mic in, 1 line out (3.5mm)
Power ..... DC jack
Storage ..... Micro SD slot

Network Specifications

Protocols ..... IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS

Network Specifications (continued)

DDNS support ..... Speco DDNS (free of charge)
Security ..... User ID & Password protection, IP address filtering, digest authentication, user access log
User Access ..... 8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE ..... Standard (IEEE 802.3af)
Analytics ..... Motion detection (3 regions), audio detection
Alarm Triggers ..... Analytics & sensor input
Alarm Events ..... FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer ..... Configurable pre-record & post-record
Image Settings ..... Privacy mask

Client Specifications

Web Browser Support ..... Windows (Internet Explorer 8 and up, Chrome, Firefox)
PC Application ..... SecureGuard™ Plus

Operating & Unit Specifications

Power Supply ..... PoE, 12VDC (power supply not included)
Power Consumption 8W
Operating Temperature ..... -4° F – 122° F
Operating Humidity ..... 8% - 80% RH
Unit Dimensions ..... 10" (L) x 3" (W) x 3.2" (H)
Unit Weight ..... 2.4 lbs.
Certifications ..... FCC, RoHS
Included in Package ..... Unit, CD (manual, software), mounting screws, L wrench

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Optional Accessories

CVCJBB
Bullet Camera Junction Box

INTCM
Corner/Pole Adaptor

IPPOEINJ1295
12.95W PoE Injector

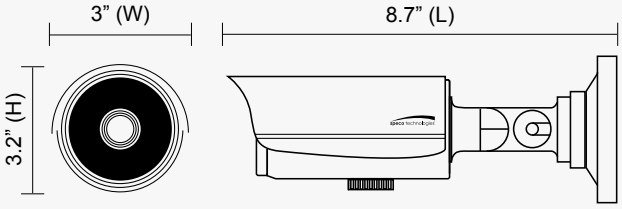
PSW5
12VDC Power Supply

Intensifier IP® Full HD 1080p 2MP Indoor/Outdoor Bullet IP Camera

See Color at Night in Full HD 1080p without IR LEDs

O2iB6 2.9mm fixed lens, dark grey housing

INT IP | WDR | PoE | MICRO SD SLOT | 2-WAY AUDIO



Features

- See color in low light without IR LEDs
- Supports up to Full HD resolution @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- With presets: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- Built-in heater and anti-fog glass reduces condensation under any weather condition
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor ..... Progressive scan 1/3" CMOS, 2.0MP
Maximum Resolution ..... 1920 x 1080
Minimum Illumination ..... F1.2, Color: 0.001 lux (Max Intensify)
White Balance ..... ATW, Manual, Push
Intensify ..... Selectable / Off
Exposure Control ..... Yes
De-Fog ..... Yes
Backlight ..... WDR, BLC
DNR 3D (0-20)

Video Specifications

Main Resolution ..... 1920x1080 @ 30fps
Compression ..... H.264 (HP/MP/BP), MJPEG
Bitrate Control ..... VBR, CBR
Multiple Streaming ..... 5 profiles

Audio Specifications

Mono Input ..... 64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet ..... 10/100 Mbps
Alarm ..... 1 sensor input, 1 relay output
Video ..... Analog test output
Audio ..... 1 mic in, 1 line out (3.5mm)
Power ..... DC jack
Storage ..... Micro SD slot

Network Specifications

Protocols ..... IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS

Network Specifications (continued)

DDNS support ..... Speco DDNS (free of charge)
Security ..... User ID & Password protection, IP address filtering, digest authentication, user access log
User Access ..... 8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE ..... Standard (IEEE 802.3af)
Analytics ..... Motion detection (3 regions), audio detection
Alarm Triggers ..... Analytics & sensor input
Alarm Events ..... FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer ..... Configurable pre-record & post-record
Image Settings ..... Privacy mask

Client Specifications

Web Browser Support ..... Windows (Internet Explorer 8 and up, Chrome, Firefox)
PC Application ..... SecureGuard™ Plus

Operating & Unit Specifications

Power Supply ..... PoE, 12VDC (power supply not included)
Power Consumption 7W
Operating Temperature ..... -4° F – 122° F
Operating Humidity ..... 8% - 80% RH
Unit Dimensions ..... 8.7" (L) x 3" (W) x 3.2" (H)
Unit Weight ..... 1.7 lbs.
Certifications ..... FCC, RoHS
Included in Package ..... Unit, CD (manual, software), mounting screws, L wrench

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Optional Accessories

CVCJBB
Bullet Camera Junction Box

INTCM
Corner/Pole Adaptor

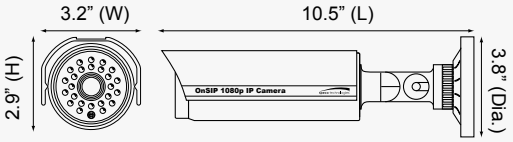
IPPOEINJ1295
12.95W PoE Injector

PSW5
12VDC Power Supply

Full HD 1080p 2MP Indoor/Outdoor Bullet IP Camera

O2B2 3.6-16mm auto iris varifocal lens, dark grey housing

IP IR WDR POE DAY NIGHT MICRO SD SLOT 2-WAY AUDIO



Features

- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- Built-in IR LEDs
- IR Range: 90' (depending on scene reflection)
- Wide dynamic range (WDR) operation
- External controls for zoom and focus
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F1.4, 0.12 lux (IR on – 0 lux)
IR LEDs	40
IR Range	90' (depending on scene reflection)
White Balance	Automatic
Exposure Control	Yes
Digital Slow Shutter	Yes
WDR/BLC	WDR
Day/Night	Yes, IR cut filter
DNR	2D/3D

Video Specifications

Supported Resolutions	1920x1080 @ 30fps / 1280x720 @ 30fps
Compression	H.264 (HP/MP/BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	5 simultaneous profiles

Audio Specifications

Mono Input	64Kbps G.711 / 32Kbps G.726
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 output
Video	Analog test output
Audio	1 mic in, 1 line out (3.5mm)
Power	DC jack
Storage	Micro SD slot

Network Specifications

Protocols	IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP
DDNS support	Speco DDNS (free of charge)

Network Specifications (continued)

Security	User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution, number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), audio detection
Alarm Triggers	Analytics & sensor input
Alarm Events	FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer	Configurable pre-record & post-record
Image Settings	Text overlay, privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome and Firefox**)
Mobile Apps	Speco ONSIP (iPhone®, iPad® and Android™)
PC Application	Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	6W
Operating Temperature	-13° F – 122° F
Operating Humidity	8% – 80% RH
Unit Dimensions	3.2" (W) x 2.9" (H) x 10.5" (L); Base diameter 3.8"
Unit Weight	2.6 lbs.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), mounting screws, L wrench

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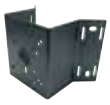
Spec Rev. 4/9/14

Available on the App Store · Google play · ONVIF · OnSIP

Optional Accessories

O2JBB
Junction Box



O2CM
Corner Mount Adaptor

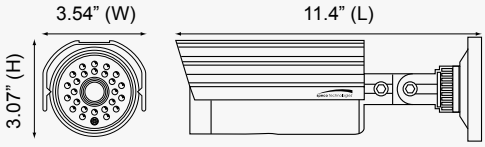
IPPOEINJ1295
12.95W
PoE Injector

PSW5
12VDC
Power Supply

Full HD 1080p 2MP Indoor/Outdoor Bullet IP Camera

O2IR56B1 2.8-10mm auto iris varifocal lens, dark grey housing

IP IR WDR PoE MICRO SD SLOT 2-WAY AUDIO



Features

- Supports Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- Built-in IR LEDs
- IR Range: 90' (depending on scene reflection)
- Wide dynamic range (WDR) operation
- External controls for zoom and focus
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- IP67 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F1.6, 0.5 lux (IR on – 0.01 lux)
IR LEDs	42
IR Range	90' (depending on scene reflection)
White Balance	AWB / ATW / Manual
Exposure Control	Yes
Digital Slow Shutter	Yes
WDR/BLC	Both, WDR / BLC
Day/Night	Yes
DNR	3D

Video Specifications

Supported Resolutions	1920x1080 @ 30fps
Compression	H.264 (HP/MP/BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	5 simultaneous profiles

Audio Specifications

Mono Input	64Kbps G.711 / 32Kbps G.726
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 output
Video	Analog test output
Audio	1 mic in, 1 line out (3.5mm)
Power	DC jack
Storage	Micro SD slot

Network Specifications

Protocols	IPv4, IPv6, TCP, UDP, IGMP, ICMP, ICMPv6, ARP, RARP, PPPoE, RTCP, RTP, RTSP, SDP, HTTP, SMTP, FTP, DHCP, UPnP, NTP, DNS, DynDNS, SOCKS

Network Specifications (continued)

DDNS Support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), audio detection
Alarm Triggers	Analytics & sensor input
Alarm Events	FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer	Configurable pre-record & post-record
Image Settings	Text overlay, privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome and Firefox**)
Mobile Apps	Speco OnSIP (iPhone®, iPad® and Android™)
PC Application	Speco NVR, SecureGuard™ Plus

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	8W with IR
Operating Temperature	-15° F – 113° F
Operating Humidity	8% – 80% RH
Unit Dimensions	3.54" (W) x 3.07" (H) x 11.4" (L); Mounting plate diameter 3.9"
Unit Weight	2.7 lbs.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), mounting screws, L wrench, mounting plate, test monitor cable

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Spec Rev. 12/19/14

Optional Accessories

CVCJBB
Bullet Camera Junction Box

INTCM
Corner/Pole Adaptor

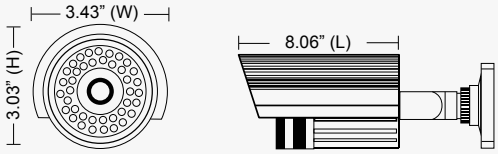
IPPOEINJ1295
12.95W PoE Injector

PSW5
12VDC Power Supply

Full HD 1080p 2MP Indoor/Outdoor Bullet IP Camera

O2B5 3.7mm fixed lens, dark grey housing

IP IR WDR PoE DAY NIGHT MICRO SD SLOT 2-WAY AUDIO



Features

- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- True Day/Night operation (IR cut filter)
- Built-in IR LEDs
- IR Range: 82' (depending on scene reflection)
- Wide dynamic range (WDR) operation
- 2-way audio communication
- Micro SD card slot (card not included)
- 12VDC operation
- IP66 compliant
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor ..... Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination ..... F1.4, 0.12 lux (IR on – 0 lux)
S/N Ratio 50dB
IR LEDs 36
IR Range ..... 82' (depending on scene reflection)
White Balance ..... Automatic
Exposure Control ..... Yes
Digital Slow Shutter ..... Yes
WDR/BLC ..... WDR
Day/Night ..... IR-cut filter
DNR 2D/3D

Video Specifications

Supported Resolutions .. 1920x1080 @ 30fps / 1280x720 @ 30fps
Compression ..... H.264 (HP/MP/BP), MJPEG
Bitrate Control ..... VBR, CBR
Multiple Streaming ..... 5 simultaneous profiles

Audio Specifications

Mono Input ..... 64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet ..... 10/100 Mbps
Alarm ..... 1 sensor input
Audio ..... 1 mic in, 1 line out (3.5mm)
Power ..... DC jack
Storage ..... Micro SD slot

Network Specifications

Protocols ..... IPv4, IPv6, TCP, UDP, IGMP, ICMP, ICMPv6, ARP, RARP, PPPoE, RTCP, RTP, RTSP, SDP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS, DynDNS, SOCKS

Network Specifications (continued)

DDNS support ..... Speco DDNS (free of charge)
Security ..... User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access ..... 8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE ..... Standard (IEEE 802.3af)
Analytics ..... Motion detection (3 regions), audio detection
Alarm Triggers ..... Analytics & sensor input
Alarm Events ..... FTP video file upload, email image upload, micro SD card recording
Video Buffer ..... Configurable pre-record & post-record
Image Settings ..... Text overlay, privacy mask, de-interlace filter

Client Specifications

Web Browser Support .... Internet Explorer 8 and up, Chrome and Firefox**
Mobile Apps ..... Speco OnSIP (iPhone®, iPad® and Android™)
PC Application ..... Speco NVR

Operating & Unit Specifications

Power Supply ..... PoE, 12VDC (power supply not included)
Power Consumption ..... 6W with IR
Operating Temperature ... -4° F - 122° F
Operating Humidity ..... 8% – 80% RH
Unit Dimensions ..... 3.43" (W) x 3.03" (H) x 8.06" (L)
Unit Weight ..... 1.40 lbs.
Certifications ..... FCC, RoHS
Included in Package ..... Unit, CD (manual, software), L wrench, mounting screws

Free Apps with support for view on most smart devices

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Spec Rev. 8/26/14

Optional Accessories

CVCJBD*
Dome Camera Junction Box

OADP4
Adaptor Plate

IPPOEINJ1295
12.95W PoE Injector

PSW5
12VDC Power Supply

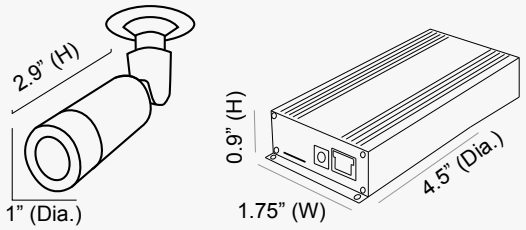
*use with OADP4

Full HD 1080p 2MP Indoor/Outdoor Miniature Bullet IP Camera

O2MB1 3.7mm fixed lens, dark grey housing

O2MB1W 3.7mm fixed lens, white housing

IP WDR PoE MICRO SD SLOT 2-WAY AUDIO



Features

- Separate camera and encoder units allow for flexibility and easy placement
- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/2.7" CMOS, 2.0MP
Maximum Resolution 1920x1080
Minimum Illumination .....F1.4, 0.12 lux
S/N Ratio.....39dB
White Balance.....Automatic
Digital Slow Shutter.....Yes
WDR/BLC.....WDR
DNR.....2D/3D

Video Specifications

Supported Resolutions....1920x1080 @ 30fps / 1280x720 @ 30fps
Compression.....H.264 (HP/MP/BP), MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....5 simultaneous profiles

Audio Specifications

Mono Input .....64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm .....1 sensor input, 1 relay output
Audio .....1 mic in, 1 line out (3.5mm)
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTCP, RTP, RTSP, HTTP, SMTP, FTP, DHCP, UPnP, NTP, DNS
DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, digest authentication, user access log

Network Specifications (continued)

User Access .....8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics .....Motion detection (3 regions), audio detection
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Text overlay, privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up)
Mobile Apps.....Speco OnSIP (iPhone®, iPad® and Android™)
PC Application.....Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....8W
Operating Temperature...32° F – 113° F
Operating Humidity .....8% – 80% RH
Unit Dimensions.....Camera: 1" (Dia.) x 2.9" (L)
Encoder Box: 1.75" (W) x 0.9" (H) x 4.5" (L)
Unit Weight.....14.40 oz.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), screws

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Spec Rev. 6/17/14

Optional Accessories

IPPOEINJ1295
12.95W
PoE Injector

PSW5
12VDC
Power Supply

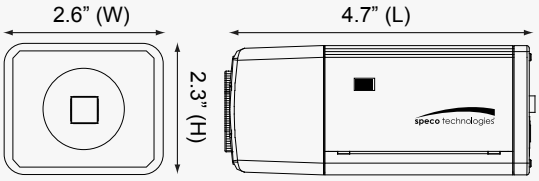
O2MTOH
Outdoor Housing
for Encoder Box

Full HD 1080p 2MP Traditional IP Camera

O2T6 Compatible with CS type lenses, dark grey housing

IP WDR PoE SD SLOT 2-WAY AUDIO

lens not included



Features

- Supports up to Full HD 1080p @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- SD card slot (card not included)
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor	Progressive scan 1/2.9" CMOS, 2.0MP
Maximum Resolution	1920x1080
Minimum Illumination	F1.4, 0.12 lux
Recommended Lens	Varifocal 2.8-12mm, F1.6
White Balance	Automatic
Exposure Control	Yes
Digital Slow Shutter	Yes
WDR/BLC	WDR
DNR	2D/3D

Video Specifications

Supported Resolutions	1920x1080 @ 30fps / 1280x720 @ 30fps
Compression	H.264 (HP / MP / BP), MJPEG
Bitrate Control	VBR, CBR
Multiple Streaming	5 simultaneous profiles

Audio Specifications

Mono Input	64Kbps G.711 / 32Kbps G.726
Mono Output	64Kbps G.711

External Terminal Specifications

Ethernet	10/100 Mbps
Alarm	1 sensor input, 1 output
Video	Analog test output
Audio	1 mic in, 1 line out (3.5mm)
Power	DC jack
Storage	SD slot

Network Specifications

Protocols	IPv4, IPv6, TCP, UDP, IGMP, ICMP, ICMPv6, ARP, RARP, PPPoE, RTCP, RTP, RTSP, SDP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS, DynDNS, SOCKS

Network Specifications (continued)

DDNS support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log
User Access	8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE	Standard (IEEE 802.3af)
Analytics	Motion detection (3 regions), audio detection
Alarm Triggers	Analytics & sensor input
Alarm Events	FTP video file upload, email image upload, micro SD card recording, alarm out
Video Buffer	Configurable pre-record & post-record
Image Settings	Text overlay, privacy mask

Client Specifications

Web Browser Support	Windows (Internet Explorer 8 and up, Chrome and Firefox**)
Mobile Apps	Speco OnSIP (iPhone®, iPad® and Android™)
PC Application	Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply	PoE, 12VDC (power supply not included)
Power Consumption	6W
Operating Temperature	32° F – 113° F
Operating Humidity	8% – 80% RH
Unit Dimensions	2.6" (W) x 2.3" (H) x 4.7" (L)
Unit Weight	1 lb.
Certifications	FCC, RoHS
Included in Package	Unit, CD (manual, software), mounting bracket, mounting screws

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Optional Accessories

VFMP2.812DC
2.8-12mm Lens
Auto Iris

VFMP2.812
2.8-12mm Lens
Manual Iris

IPPOEINJ1295
12.95W
PoE Injector

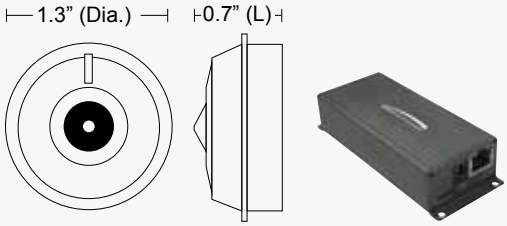
PSW5
12VDC
Power Supply

Intensifier IP® Full HD 1080p 2MP Pinhole IP Camera

See Color at Night in Full HD 1080p without IR LEDs

O2iPH1 3.6mm fixed lens, black housing

INT IP | WDR | PoE | MICRO SD SLOT



Features

- Discreet design is perfect for tight spaces such as door frames
- See color in low light without IR LEDs
- Supports up to Full HD resolution @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- With presets: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Attached cable (16 ft) connects camera unit to main unit for flexible placement
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- ONVIF Profile S listed*
- 2 year warranty

Camera Specifications

Image Sensor.....Progressive scan 1/3" CMOS, 2MP
Maximum Resolution .....1920 x 1080
Minimum Illumination .....F1.2, Color: 0.001 lux (Max Intensify)
White Balance.....ATW, Manual, Push
Intensify.....Selectable / Off
Exposure Control .....Yes
De-Fog .....Yes
Backlight.....WDR, BLC
DNR.....3D (0-20)

Video Specifications

Main Resolution .....1920x1080 @ 30fps
Compression.....H.264 (HP/MP/BP), MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....5 profiles

Audio Specifications

Mono Input .....64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm.....1 sensor input, 1 relay output
Audio .....1 mic in, 1 line out
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS
DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, digest authentication, user access log
User Access .....8 simultaneous users at D1 resolution
Number of users may vary depending on resolution

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), audio detection
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up, Chrome, Firefox)
PC Application.....SecureGuard™ Plus

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....6W
Operating Temperature...14° F – 122° F
Operating Humidity .....8% – 80% RH
Unit Dimensions.....Camera: 1.3" (Dia.) x 0.7" (L)
Main Unit: 4.5" (L) x 1.75" (W) x 0.9" (H)
Unit Weight.....Camera: 1.3 oz.
Main Unit: 5 oz.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws

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Optional Accessories

O2MTOH
Outdoor Housing for Encoder Box

IPPOEINJ1295
12.95W PoE Injector

PSW5
12VDC Power Supply

Intensifier IP® Full HD 1080p 2MP Board IP Camera

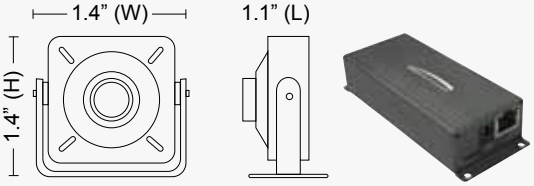
See Color at Night in Full HD 1080p without IR LEDs

O2iBD1 2.9mm fixed lens, black housing

INT IP | WDR | PoE | MICRO SD SLOT | 2-WAY AUDIO

Features

- See color in low light without IR LEDs
- Supports up to Full HD resolution @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- No problems caused by objects that reflect or absorb IR light sources
- With presets: Indoor, Outdoor, Elevator, Lobby, Hallway & Low Light
- Perfect for use in tight spaces like ATMs
- Attached cable (16 ft) connects camera unit to main unit for flexible placement
- Wide dynamic range (WDR) operation
- Supports H.264 and MJPEG codecs
- 2-way audio communication
- Micro SD card slot (card not included)
- Sensor input and relay output
- ONVIF Profile S listed*
- 2 year warranty



Camera Specifications

Image Sensor.....Progressive scan 1/3" CMOS, 2MP
Maximum Resolution .....1920 x 1080
Minimum Illumination .....F1.2, Color: 0.001 lux (Max Intensify)
White Balance.....ATW, Manual, Push
Intensify.....Selectable / Off
Exposure Control .....Yes
De-Fog .....Yes
Backlight.....WDR, BLC
DNR.....3D (0-20)

Video Specifications

Main Resolution .....1920x1080 @ 30fps
Compression.....H.264 (HP/MP/BP), MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....5 profiles

Audio Specifications

Mono Input .....64Kbps G.711 / 32Kbps G.726
Mono Output 64Kbps G.711

External Terminal Specifications

Ethernet.....10/100 Mbps
Alarm .....1 sensor input, 1 relay output
Audio .....1 mic in, 1 line out
Power .....DC jack
Storage.....Micro SD slot

Network Specifications

Protocols .....IPv4, TCP, UDP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, DNS
DDNS support.....Speco DDNS (free of charge)

Network Specifications (continued)

Security .....User ID & Password protection, IP address filtering, digest authentication, user access log
User Access .....8 simultaneous users at D1 resolution Number of users may vary depending on resolution

System Specifications

PoE.....Standard (IEEE 802.3af)
Analytics.....Motion detection (3 regions), audio detection
Alarm Triggers.....Analytics & sensor input
Alarm Events.....FTP video file upload, email image upload, micro SD card recording, relay out
Video Buffer.....Configurable pre-record & post-record
Image Settings .....Privacy mask

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up, Chrome, Firefox)
PC Application.....SecureGuard™ Plus

Operating & Unit Specifications

Power Supply.....PoE, 12VDC (power supply not included)
Power Consumption.....6W
Operating Temperature...14° F – 122° F
Operating Humidity .....8% - 80% RH
Unit Dimensions.....Camera: 1.1" (L) x 1.4" (W) x 1.4" (H)
Main Unit: 4.5" (L) x 1.75" (W) x 0.9" (H)
Unit Weight.....Camera: 2 oz.
Main Unit: 5 oz.
Certifications .....FCC, RoHS
Included in Package.....Unit, CD (manual, software), mounting screws

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Optional Accessories

O2MTOH
Outdoor Housing for Encoder Box

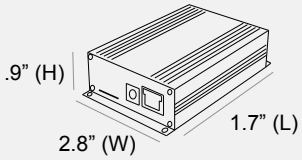
IPPOEINJ1295
12.95W PoE Injector

PSW5
12VDC Power Supply

Dual-Codec H.264/MJPEG 1 Ch. Video Server
OS102

Features

- Dual-codec (H.264 & MJPEG)
- Multi-profile streaming
- Small form factor
- Ultra compact design
- ONVIF support*
- 2 year warranty



Video Specifications

Video Compression .....Simultaneous dual-codec (H.264 / MJPEG)
Resolution.....704 x 480 (full D1), 704 x 240 (Half D1), 640 x 480 (VGA), 352 x 240 (CIF) 176 x 112 (QCIF)
Multi-Profile Streaming .....3 simultaneous video profiles select the codec type, resolution and frame rates for each profile
Intelligent Bit-Rate Control....CBR, VBR, HBR
Image Setting .....Text overlay, privacy mask, de-interlace filter
Motion Detection.....3 regions

Network Specifications

Network Protocol .....IPv4/v6, TCP, UDP, IGMP, ICMP, ICMPv6, ARP, RARP, PPPoE, RTCP, RTP, RTSP, SDP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, SNMP NTP, DNS, DynDNS, SOCKS, QoS layer 3, DiffServ, Bonjour
Speco DDNS .....Supported (free of charge)
Security.....User ID & password protection,IP address filtering, HTTPS encryption, digest authentication, user access log

External Terminals

LAN.....10/100BaseT LAN (auto MDIX)
Alarm Input / Output .....Alarm I/O (1 sensor input & 1 relay output)
Factory Reset .....Supported

System Integration

Intelligent Video .....Motion detection
Alarm Triggers .....Intelligent video + sensor input
Alarm Events .....Relay output

Client Software

Speco NVR.....64 ch (free of charge)

Operating Environment, Power, Dimensions

Operating Temperature/ Humidity .....32° F – 113° F / 8% – 80% RH
Power Supply .....12VDC (power supply not included)
Power Consumption 250mA
Housing .....Aluminum
Approvals.....FCC, CE, MIC, RoHS
Included in Package .....Video server, CD (user's guide, software)
Dimensions.....2.8" (W) x 1.7" (L) x .9" (H)
Weight .....3.2 oz.
iPhone® / Android™ Apps .....Speco OnSIP

Single Channel IP Encoder for Analog Cameras
D1BD

Features

- Converts analog video into digital D1 resolution @ 30fps
- Supports H.264 and MJPEG codecs
- ONVIF Profile S listed*
- 2 year warranty

Video Specifications

Supported Resolutions.....704x480 / 704 x 240 / 640 x 480 / 352 x 240 / 176 x 112 @ 30fps
Compression .....H.264, MJPEG
Bitrate Control .....VBR, CBR
Multiple Streaming .....3 simultaneous profiles

External Terminal Specifications

Ethernet.....10/100 Mbps
Video .....BNC male connector
Power .....DC jack

Network Specifications

Protocols .....IPv4, IPv6, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, SMTP, FTP, DHCP
DDNS support.....Speco DDNS (free of charge)
Security .....User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log

System Specifications

Analytics.....Motion detection (3 regions)

Client Specifications

Web Browser Support.....Windows (Internet Explorer 8 and up)
Mobile Apps.....Speco ONSIP (iPhone®, iPad® and Android™)
PC Application.....Speco NVR, SecureGuard™

Operating & Unit Specifications

Power Supply.....12VDC (power supply not included)
Power Consumption.....3W
Operating Temperature....32° F – 113° F
Operating Humidity .....8% – 80% RH
Unit Dimensions.....1.8" (W) x 1.8" (H) x 0.75" (L)
Unit Weight.....4 oz.
Certifications .....FCC, RoHS
Included in Package.....Unit, Quick installation guide (full manual and software available from www.specotech.com)

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Optional Accessory

PSW5
12VDC Power Supply

IP CAMERA COMPARISON CHART

IP Camera Comparison Chart												
Model	**Indoor / Outdoor**	**Type**	**Lens**	**Gimbal / Focus**	**Low Light**	**PoE**	**Max. Resolution**	**WDR**	**Local Storage**	**2-Way Audio**	**Power**	**IP Rating**
O2D10	Outdoor	Dome	3-9mm motorized zoom	3-axis, motorized pan/tilt, auto focus	IR, 65'	AF	1920x1080 @ 60fps	Yes	Micro SD	Yes	12VDC	IP66
O2iD4M	Outdoor	Dome	2.8-11mm motorized zoom	3-axis, auto focus	Intensifier IP®	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2D7M	Outdoor	Dome	3-10mm motorized zoom	3-axis, auto focus	IR, 65'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2D5M	Outdoor	Dome	3-10mm motorized zoom	3-axis, auto focus	IR, 65'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2D60M	Outdoor	Turret	3-10mm motorized zoom	Auto focus	IR, 90'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2D4	Outdoor	Dome	3.6-16mm VF	3-axis	IR, 49'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
OiD4	Outdoor	Dome	3.6-16mm VF	3-axis	Intensifier IP®	AF	1280x720 @ 60fps	Yes	Micro SD	Yes	12VDC	IP66
O2iMD1	Outdoor	Mini-Dome	2.9mm fixed	3-axis	Intensifier IP®	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2iMT61	Outdoor	Mini-Turret	2.9mm fixed	3-axis	Intensifier IP®	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
OiMD1	Outdoor	Mini-Dome	3.7mm fixed	3-axis	Intensifier IP®	AF	1280x720 @ 60fps	Yes	Micro SD	Yes	12VDC	IP66
O5MDP1	Outdoor	Mini-Dome	0.98-1.12mm panomorph	-	N/A	AF	2592x1944 @ 10fps	Yes	Micro SD	Yes	12VDC	IP66
O2MD1	Outdoor	Mini-Dome	3.7mm fixed	3-axis	IR,30'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2MD2	Outdoor	Mini-Dome	3.7mm fixed	3-axis	IR,30'	AF	1920x1080 @ 30fps	Yes	N/A	N/A	12VDC	IP66
O2MT61	Outdoor	Mini-Turret	3.7mm fixed	3-axis	N/A	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
OINT03D1G	Outdoor	Turret	2.8-12mm VF	3-axis	Intensifier 3®	N/A	704x480 @ 30fps	N/A	N/A	Yes	12VDC	IP67
O2P30	Outdoor	PTZ	4.3-129mm, 30x optical zoom	-	N/A	AT	1920x1080 @ 30fps	Yes	SD	Yes	24VAC	IP66
VIP2PTZ12X	Outdoor	PTZ	5.32-62.61mm, 12x optical zoom	-	N/A	AF	1920x1080 @ 60fps	Yes	N/A	Yes	Dual	IP66
O2DP14	Indoor	Dome	3-9mm motorized zoom	3-axis, motorized pan/tilt, auto focus	IR, 65'	AF	1920x1080 @ 60fps	Yes	Micro SD	Yes	12VDC	N/A
O2DP8M	Indoor	Dome	3-10mm motorized zoom	3-axis, auto focus	IR, 65'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	N/A
O2DP8	Indoor	Dome	3.6-16mm VF	3-axis	IR, 49'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	N/A
O2DP9	Indoor	Mini-Dome	3.7mm fixed	3-axis	IR, 30'	AF	1920x1080 @ 30fps	Yes	N/A	N/A	12VDC	N/A
O2B16	Outdoor	Bullet	3-9mm motorized zoom	3-axis	IR, 98'	AF	1920x1080 @ 60fps	Yes	Micro SD	Yes	12VDC	IP66
O2iB3M	Outdoor	Bullet	2.8-11mm motorized zoom	3-axis	Intensifier IP®	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2iB6	Outdoor	Bullet	2.9mm fixed	3-axis	Intensifier IP®	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2B2	Outdoor	Bullet	3.6-16mm VF	3-axis	IR, 90'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2IR56B1	Outdoor	Bullet	2.8-10mm VF	3-axis	IR, 90'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP67
O2B5	Outdoor	Bullet	3.7mm fixed	3-axis	IR, 82'	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2MB1	Outdoor	Mini-Bullet	3.7mm fixed	-	N/A	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	IP66
O2iBD1	Indoor	Board	2.9mm fixed	-	Intensifier IP®	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	N/A
O2iPH1	Indoor	Pinhole	3.6mm fixed	-	Intensifier IP®	AF	1920x1080 @ 30fps	Yes	Micro SD	Yes	12VDC	N/A
O2T6	Indoor	Traditional	CS type	-	N/A	AF	1920x1080 @ 30fps	Yes	N/A	Yes	12VDC	N/A
OS102	Indoor	Encoder	N/A	-	N/A	N/A	704x480 @ 30fps	N/A	N/A	N/A	12VDC	N/A
D1BD	Indoor	Encoder	N/A	-	N/A	N/A	704x480 @ 30fps	N/A	N/A	N/A	12VDC	N/A

Rev. 2/25/15

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IP CAMERA MOUNTING/COMPATIBILTY CHART

Model	Type	Image	Applicable Models
CVCJBB	Bullet Junction Box		O2IR56B1 / O2iB3M / O2iB6
CVCJBD	Junction Box		• O2D4 / OiD4 / O2iD4M / O2D5M • O2MD1 / O2MD2 / O5MDP1 / O2B5 / OiMD1 / O2iMD1 with OADP4
DFM	Ceiling Flush Mount		O2D4 / O2DP8 / O2DP8M
JB03TG	Large Round Junction Box		OINT03D1G / O2D60M
INTCM	Corner / Pole Mount		O2IR56B1 / O2iB6 / O2iB3M
INTPM	Pendant Mount		• O2D4 / OINT03D1G / OiD4 / O2iD4M / O2D5M / O2D60M / O2D7M • O2MD1 / O2MD2 / O5MDP1 / O2B5 / OiMD1 / O2iMD1 with OADP4
INTWM	Dome Wall Mount		• O2D4 / OINT03D1G / O2DP8 / OiD4 / O2iD4M / O2D5M / O2D60M / O2D7M / O2D10 • O2MD1 / O2MD2 / O5MDP1 / O2B5 / OiMD1 / O2iMD1 with OADP4
O2JBB	Bullet Junction Box		O2B2
O2CM	Corner / Pole Mount		O2B2
O2MTOH	Outdoor Box		O2MB1 / O2MT61 / O2iMT61 / O2iBD1 / O2iPH1
OADP4	Adaptor Plate		Connects CVCJBD, INTWM or INTPM to O2MD1 / O2MD2 / O5MDP1 / O2B5 / OiMD1 / O2iMD1
APT29DW	Adaptor Plate		Connects COR32DW or POL28DW to VIP2PTZ12X when using WMA29DW
APT32DW	Adaptor Plate		Connects COR32DW or POL28DW to VIP2PTZ12X
COR32DW	Corner Mount Adaptor		VIP2PTZ12X with APT32DW
PEN29DW	Pendant Arm		VIP2PTZ12X
PMA29DW	Pole Mount Adaptor		VIP2PTZ12X
POL28DW	Pole Mount		VIP2PTZ12X with APT32DW
WAC29DW	Wall / Ceiling Mount		VIP2PTZ12X with APT32DW
WMA29DW	Wall Mount		VIP2PTZ12X
O2PWB	Wall Mount		O2P30

Rev. 2/25/15

NS Plug & Play Network Video Recorder with Built-In PoE

N4NSP 4 Channel Network Video Recorder with 4 Channel Built-in PoE

N8NSP 8 Channel Network Video Recorder with 8 Channel Built-in PoE

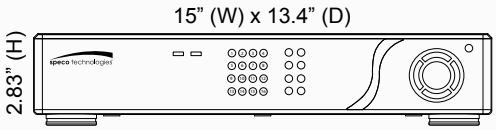
N16NSF 16 Channel Network Video Recorder with 16 Channel Built-in PoE

Storage 1TB – 8TB

N4NSP1TB	N8NSP1TB	N16NSF2TB
N4NSP2TB	N8NSP2TB	N16NSF3TB
N4NSP3TB	N8NSP3TB	N16NSF4TB
N4NSP4TB	N8NSP4TB	N16NSF6TB
N4NSP6TB	N8NSP6TB	N16NSF8TB

Front panel

Rear panel N16NSF shown



Features

EZ Camera: quickly discovers and installs IP cameras
EZ Setup: for quick system setup
EZ Network: for quick set-up on a network
EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI, 1 VGA, 1 CVBS
- 8 and 16 channel NVR supports up to 5MP resolution on channel 1
- 4 channel NVR supports up to 3MP resolution on channel 1
- Plug & play feature with Speco’s OnSIP/VIP/ZIP cameras
- ONVIF support*
- Dual network ports for isolating IP camera network and remote network traffic
- Supports all H.264 compression profiles (baseline, main and high)
- Network video recorder with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Full HD (1920 x 1080) recording and playback
- Supports wireless access point for viewing and configuration
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Built-in PoE provides power to IP cameras
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Local and remote monitoring of PoE ports
- 4 NSP total IP camera power budget: 48W
- 8 NSP total IP camera power budget: 96W
- 4/8 NSP - all channels are 802.3af (15.4W)
- N16NSF total IP camera power budget: 200W
- N16NSF - ch. 1 and 2 support 802.3at (25.5W)
  ch. 3-16 support 802.3af (15.4W)
- 4/8/16 channel selectable local or IP camera audio recording
- Easy firmware upgrade by USB port or network
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ Plus CMS and Speco Player Mobile Viewer
- PC and MAC® compatible
- 3 year warranty

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Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

Technical Specifications: NS Plug & Play Network Video Recorder with Built-In PoE Switch

ITEM			NSP		NSF
Video	Input	IP Channel	4	8	16
		Video Loss Check	Yes		
	Output	HDMI	1 HDMI (1920x1080, 1280x720)		
		VGA	1 VGA (1920x1080, 1280x720)		
		CVBS	Main		
Audio	Input & Output		4 line input, 4 IP input, 1 line output	8 line input, 8 IP input, 1 line output	16 line input, 16 IP input, 1 line output
	Audio Codec		G.711		
Alarm	Sensor Input (NC/NO Selectable)		4 local, 4 IP	4 local, 8 IP	4 local, 16 IP
	Alarm Output		1		
Serial	RS-485	PTZ	1		
Recording	Compression		H.264 (baseline, main, high profile)		
	Multi-Operation		Quadplex (play, record, network, backup)		
	Resolution	1920x1080	120fps	240fps	480fps
		1280x720	120fps	240fps	480fps
	Recording Mode		Continuous / Schedule / Motion / Sensor / Manual / Continuous + Sensor / Continuous + Motion		
	Motion Detection		Motion detection configured via IP camera		
	Recording by Channel's Resolution		Yes		
	Pre-Recording		Max. 20 minutes		
	Post Recording		Max. 60 seconds		
Playback	Multi-Decoding		1, 4	1, 4, 8	1, 4, 9, 16
	Search Mode		EZ Search, Date/Time, Event, Archive and Log		
Storage	HDD	Interface Type	Serial ATA		
		Capacity of 1 HDD	3TB		4TB
		Internal HDD Number	2		
		e-SATA	1		
	Backup	USB Flash Drive	Video & Still Image		
		USB External HDD	Video & Still Image		
		Network	Video & Still Image		
	USB Port		3		
User I/F	Menu Display		GUI		
	Input Method		Front Buttons, IR Mouse, Keyboard Controller		
Network	Interface		10/100 base-TX ethernet	10/100/1000 base-TX ethernet	
	Streaming		Depends on profile		
	Max. Throughput		20 Mbps	40 Mbps	
Network Access	Mobile Viewer		Live, Search, PTZ, 2-Way Audio		
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)		
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ Plus CMS (Live, Search, Backup, PTZ, Remote Setup)		
	MAC Client		Speco Client for MAC and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)		
Features	Digital Deterrent®		Default + up to 8 custom audio files		
	Digital Zoom		Yes		
	DLS (Daylight Savings)		Yes		
	EZ Record		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		Yes		
	Multi-Language		English / French / Spanish		
	Dynamic DNS		Yes (free Speco DDNS)		
	SW Upgrade		USB and remote software upgrade		
	NTP (Network Time Protocol)		Yes		
Power Source	PoE Standard		All ch. 802.3af		1-2 ch. 802.3at / 3-16 ch. 802.3af
	Total PoE Budget		48W	96W	200W
	Power Supply Voltage		12VDC, 5A / 48VDC, 1A	12VDC, 5A / 48VDC, 2A	AC100V ~ 240V, 230WV
Allowable Operating Temperature / Humidity			41° F – 104° F / 20% – 80% RH		
Allowable Storage Temperature			14° F – 122° F		
Weight	Unit Weight (Gross Weight)		12 lbs.		
Dimensions	Unit Dimensions (W x H x D)		15" (W) x 2.83" (H) x 13.4" (D)		

Please note that specifications and unit exterior design are subject to change without notification. 3/12/15

NS Plug & Play Network Video Recorder

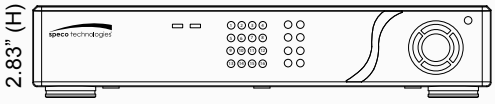
N4NS 4 Channel Network Video Recorder
N8NS 8 Channel Network Video Recorder
N16NS 16 Channel Network Video Recorder

IP | DIGITAL DETERRENT | 2-WAY AUDIO | EZ SEARCH | EZ WIZARDS | S.M.A.R.T.

Front panel

Rear panel

15” (W) x 13.4” (D)



Storage 1TB – 9TB

N4NS1TB	N8NS1TB	N16NS2TB
N4NS2TB	N8NS2TB	N16NS3TB
N4NS3TB	N8NS3TB	N16NS4TB
N4NS4TB	N8NS4TB	N16NS6TB
N4NS6TB	N8NS6TB	N16NS9TB
N4NS9TB	N8NS9TB	

Features

EZ Camera: quickly discovers and installs IP cameras
EZ Setup: for quick system setup
EZ Network: for quick set-up on a network
EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI, 1 VGA, 1 CVBS
- 8 and 16 channel NVR supports up to 5MP resolution on channel 1
- 4 channel NVR supports up to 3MP resolution on channel 1
- Plug & play feature with Speco’s OnSIP/VIP/ZIP cameras
- ONVIF support*
- Dual network ports for isolating IP camera network and remote network traffic
- Supports all H.264 compression profiles (baseline, main and high)
- Network video recorder with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Full HD (1920 x 1080) recording and playback
- Supports wireless access point for viewing and configuration
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- 4/8/16 channel selectable local or IP camera audio recording
- Easy firmware upgrade by USB port or network
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ CMS and Speco Player Mobile Viewer
- PC and MAC® compatible
- 3 year warranty

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Available on the App Store | Google play | ONVIF | HDMI

Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

Technical Specifications: NS Plug & Play Network Video Recorder

ITEM			NS		
Video	Input	IP Channel	4	8	16
		Video Loss Check	Yes		
	Output	HDMI	1 HDMI (1920x1080, 1280x720)		
		VGA	1 VGA (1920x1080, 1280x720)		
		CVBS	Main		
Audio	Input & Output		4 line input, 4 IP input, 1 line output	8 line input, 8 IP input, 1 line output	16 line input, 16 IP input, 1 line output
	Audio Codec		G.711		
Alarm	Sensor Input (NC/NO Selectable)		4 local, 4 IP	4 local, 8 IP	4 local, 16 IP
	Alarm Output		1		
Serial	RS-485	PTZ	1		
Recording	Compression		H.264 (baseline, main, high profile)		
	Multi-Operation		Quadplex (play, record, network, backup)		
	Resolution	1920x1080	120fps	240fps	480fps
		1280x720	120fps	240fps	480fps
	Recording Mode		Continuous / Schedule / Motion / Sensor / Manual / Continuous + Sensor / Continuous + Motion		
	Motion Detection		Motion detection configured via IP camera		
	Recording by Channel's Resolution		Yes		
	Pre-Recording		Max. 20 minutes		
	Post Recording		Max. 60 seconds		
Playback	Multi-Decoding		1, 4	1, 4, 8	1, 4, 9, 16
	Search Mode		EZ Search, Date/Time, Event, Archive and Log		
Storage	HDD	Interface Type	Serial ATA		
		Capacity of 1 HDD	3TB		
		Internal HDD Number	3		
		e-SATA	1		
	Backup	USB Flash Drive	Video & Still Image		
		USB External HDD	Video & Still Image		
		Network	Video & Still Image		
	USB Port		3		
User I/F	Menu Display		GUI		
	Input Method		Front Buttons, IR Mouse, Keyboard Controller		
Network	Interface		10/100 base-TX ethernet	10/100/1000 base-TX ethernet	
	Streaming		Depends on profile		
	IP Camera Throughput		20 Mbps	40 Mbps	
Network Access	Mobile Viewer		Live, Search, PTZ, 2-Way Audio		
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)		
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)		
	MAC Client		Speco Client for MAC and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)		
Features	Digital Deterrent®		Default + up to 8 custom audio files		
	Digital Zoom		Yes		
	DLS (Daylight Savings)		Yes		
	EZ Record		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		Yes		
	Multi-Language		English / French / Spanish		
	Dynamic DNS		Yes (free Speco DDNS)		
	SW Upgrade		USB and remote software upgrade		
	NTP (Network Time Protocol)		Yes		
Power Source	Power Supply Voltage		12VDC, 5A		
Allowable Operating Temperature / Humidity			41° F – 104° F / 20% – 80% RH		
Allowable Storage Temperature			14° F – 122° F		
Weight	Unit Weight (Gross Weight)		12 lbs.		
Dimensions	Unit Dimensions (W x H x D)		15" (W) x 2.83" (H) x 13.4" (D)		

Please note that specifications and unit exterior design are subject to change without notification. Rev. 4/10/14

NS Plug & Play Wall Mount Network Video Recorder

N4WNS, N8WNS, N16WNS

Base Wall Mount Model

N4WNSM, N8WNSM, N16WNSM

Wall Mount with Built-In Monitor

N4WNSP, N8WNSP, N16WNSP

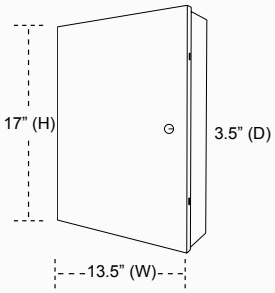
Wall Mount with Built-In PoE

N4WNSPM, N8WNSPM, N16WNSPM

Wall Mount with Built-In PoE and Monitor

Storage **1TB – 9TB** (see last page 66 for model numbers)

IP | DIGITAL DETERRENT | 2-WAY AUDIO | EZ SEARCH | EZ WIZARDS | S.M.A.R.T.



Patented Design

Features

EZ Camera: quickly discovers and installs IP cameras
EZ Setup: for quick system setup
EZ Network: for quick set-up on a network
EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI, 1 VGA, 1 CVBS
- 8 and 16 channel NVR supports up to 5MP resolution on channel 1
- 4 channel NVR supports up to 3MP resolution on channel 1
- Plug & play feature with Speco's OnSIP/VIP/ZIP cameras
- ONVIF support*
- Dual network ports for isolating IP camera network and remote network traffic
- Supports all H.264 compression profiles (baseline, main and high)
- A patented NVR solution that easily mounts in equipment closets or electrical rooms for covert installations
- Network video recorder with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Full HD (1920 x 1080) recording and playback
- Supports wireless access point for viewing and configuration
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- 4/8/16 channel selectable local or IP camera audio recording
- Easy firmware upgrade by USB port or network
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard® CMS and Speco Player Mobile Viewer
- PC and MAC® compatible
- 3 year warranty

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Available on the App Store | Google play | ONVIF | HDMI

Optional Accessories

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

Technical Specifications: NS Plug & Plug Wall Mount Network Video Recorder

ITEM			WNS / WNSM / WNSP / WNSPM		
Video	Input	IP Channel	4	8	16
		Video Loss Check	Yes		
	Output	HDMI	1920x1080, 1280x720		
		VGA	1920x1080, 1280x720		
		CVBS	Main		
Audio	Input & Output		4 line input, 4 IP input, 1 line output	8 line input, 8 IP input, 1 line output	16 line input, 16 IP input, 1 line output
	Audio Codec		G.711		
Alarm	Sensor Input (NC/NO Selectable)		4 local, 4 IP	4 local, 8 IP	4 local, 16 IP
	Alarm Output		1		
Serial	RS-485	PTZ	1		
Recording	Compression		H.264 (baseline, main, high profile)		
	Multi-Operation		Quadplex (play, record, network, backup)		
	Resolution	1920x1080	120fps	240fps	480fps
		1280x720	120fps	240fps	480fps
	Recording Mode		Continuous / Schedule / Motion / Sensor / Manual / Continuous + Sensor / Continuous + Motion		
	Motion Detection		Motion detection configured via IP camera		
	Recording by Channel's Resolution		Yes		
	Pre-Recording		Max. 20 minutes		
	Post Recording		Max. 60 seconds		
Playback	Multi-Decoding		1, 4	1, 4, 8	1, 4, 9, 16
	Search Mode		EZ Search, Date/Time, Event, Archive and Log		
Storage	HDD	Interface Type	Serial ATA		
		Capacity of 1 HDD	3TB		4TB
		Internal HDD Number	3		
		e-SATA	1		
	Backup	USB Flash Drive	Video & Still Image		
		USB External HDD	Video & Still Image		
		Network	Video & Still Image		
	USB Port		3		
User I/F	Menu Display		GUI		
	Input Method		IR Mouse, Keyboard Controller		
Network	Interface		10/100 base-TX ethernet	10/100/1000 base-TX ethernet	
	Streaming		Depends on profile		
	IP Camera Throughput		20 Mbps	40 Mbps	
Network Access	Mobile Viewer		Live, Search, PTZ, 2-Way Audio		
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)		
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard® CMS (Live, Search, Backup, PTZ, Remote Setup)		
	MAC Client		Speco Client for MAC and SecureGuard® CMS (Live, Search, Backup, PTZ, Remote Setup)		
Features	Digital Deterrent®		Default + up to 8 custom audio files		
	Digital Zoom		Yes		
	DLS (Daylight Savings)		Yes		
	EZ Record		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		Yes		
	Multi-Language		English / French / Spanish		
	Dynamic DNS		Yes (free Speco DDNS)		
	SW Upgrade		USB and remote software upgrade		
	NTP (Network Time Protocol)		Yes		
Power Source	PoE Standard		All ch. 802.3af		
	Total PoE Budget		48W	96W	
	Power Supply Voltage		WNS / WNSM: 12VDC, 5A	WNSP / WNSPM: 12VDC, 5A | 48VDC, 1A	
Allowable Operating Temperature / Humidity			41° F – 104° F / 20% – 80% RH		
Allowable Storage Temperature			14° F – 122° F		
Weight	Unit Weight (Gross Weight)		WNS / WNSM: 10 lbs. | WNSP / WNSPM: 12 lbs.		
Dimensions	Unit Dimensions (W x H x D)		13.5" (W) x 17" (H) x 3.5" (D)		

Please note that specifications and unit exterior design are subject to change without notification. Rev. 3/2/15

4 Ch. Plug & Play Network Video Recorder and IP Camera Kit

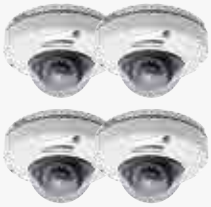
ZIPKIT4D1

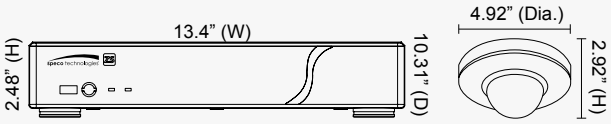
4 Channel NVR with 4 Channel Built-In PoE, 1TB
4 Full HD 1080p Outdoor IR Dome Cameras

IP IR DIGITAL DETERRENT 2-WAY AUDIO EZ SEARCH EZ WIZARDS S.M.A.R.T.

Front panel

Rear panel





NVR Features

EZ Set-Up Wizards: one click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network - Port forwarding

EZ Camera: quickly discovers and installs IP cameras
EZ Search: quickly search events from thumbnails
EZ Copy: auto copy what you are playing onto a USB flash drive

- Built-In PoE IEEE 802.3af
- Video Out: 1 HDMI®, 1 VGA, 1 CVBS
- Plug & play feature with Speco's IP cameras
- Dual network ports for isolating IP camera network and remote network traffic
- Network video recorder with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Full HD (1920 x 1080) recording and playback
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ CMS and Speco Player Mobile Viewer
- IR remote control and mouse included
- PC and MAC® compatible
- 3 year warranty

Camera Features

- Full HD 1080p
- 3.7mm fixed lens
- Real-time video up to 30fps
- PoE IEEE 802.3af
- Dual streaming
- Weather/vandal resistant
- IP66 compliant
- 2 year warranty

Camera Specifications

Image Sensor .....1/2.8" 2.1MP CMOS
Resolution.....1080p/720p
Minimum Illumination.....0 lux @F2.5 (IR on)
0.1 lux @F2.5 (IR off)
S/N Ratio 50dB
Shutter Speed.....1/7 - 1/30,000 sec.
Motion Detection.....Yes
Day/Night.....IR-cut filter
DNR.....2D/3D Automatic

Camera Specifications (continued)

Number of IR LEDs 12
IR Range ..... 23' (depending on scene reflection)
IR Wavelength 850nm

Operating & Unit Specifications

Power Supply .....PoE or 12VDC (power supply not included)
Power Consumption .....300mA (IR on)
Operating Temperature.....-4º F - 122º F
Weight .....14.40 oz.
Dimensions.....4.92" (Dia.) x 2.92" (H)

Free Apps with support for view on most smart devices

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Available on the App Store | Google play | HDMI®

Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

Technical Specifications: 4 Ch. ZIPKIT Plug & Play Network Video Recorder

Model			ZIPKIT4D1
Video	Input	Max. IP Channels	4
		Resolution	Max. 1920 x 1080
	Output	HDMI®	1 HDMI (1280 x 720, 1920 x 1080)
		VGA	1 VGA (1280 x 720, 1920 x 1080)
		CVBS	1 main monitor
Audio	Input	IP Camera (Network)	4
		Local Input (RCA)	4
	Output	Local Output (RCA)	1
	Audio Codec		G.711
Serial	RS-232C	Debugging Only	1
	RS-485		1
Recording	Compression		H.264 (baseline, main and high profile)
	Resolution	1080p	120fps
		720p	120fps
	Recording Mode		Continuous / Motion / Sensor / Schedule / Manual / Continuous + Motion / Continuous + Sensor
	Pre-Recording		Max. 20 minutes
	Post Recording		Max. 60 seconds
Playback	Search		EZSearch, Date/Time, Event, Archive, Log
	Multi-Decoding		1, 4
	Playback Speed		x0.25, x0.5, x2, x4, x8, x16, x32, x64
Backup	Media		USB Drive, External HDD, Network
	File Format		BMP, AVI, Proprietary Format
	Large Backup		Yes (max. 24 hours)
Storage	HDD	Capacity of 1 HDD	3TB
		Internal HDDs	1
		e-SATA	No
	USB	Front	1
		Rear	1
User I/F	Input Method		IR, Mouse, Keyboard Controller
Event	Sensor In	IP Camera (Network)	4
		Local Input (Terminal Block)	4
	Local Alarm Output (Terminal Block)		1
	Motion Detection (From IP Camera)		Yes
Network	LAN (IP Camera, Auto Connection)		4 802.3af PoE
	WAN (IP Camera, Remote Access)		10/100Base-T
	Protocols		TCP/IP, UDP, DHCP, HTTP, NTP, SMTP, RTP, RTSP
	Max. Throughput		20Mbps
Network Access	Mobile Viewer		iPad® / iPhone® / Android™
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ CMS
	MAC Client		Speco Client for MAC and SecureGuard™ CMS
	Remote Setup and Upgrade		Yes
Features	Digital Deterrent®		Default + up to 8 audio files
	Digital Zoom		Yes
	DLS (Daylight Savings)		Yes
	S.M.A.R.T		Yes
	Internal Beep		Yes
	Multi-Language		Yes
	Dynamic DNS		Yes (free Speco DDNS)
	Email Notification		Yes
	NTP (Network Time Protocol)		Yes
Power Source	Power Supply Voltage		12VDC, 5A / 48VDC, 1A
Allowable Operating Temperature			41° F - 104° F
Allowable Storage Temperature			14° F - 122° F
Weight	Unit Weight (Gross Weight)		12 lbs.
Dimensions	Unit Dimensions (W x H x D)		13.4" (W) x 2.48" (H) x 10.31" (D)

Please note that specifications and unit exterior design are subject to change without notification. Rev. 3/12/15

8 Ch. Plug & Play Network Video Recorder and IP Camera Kit

ZIPL84D2
8 Channel NVR with 8 Channel Built-In PoE, 2TB
4 Full HD 1080p Outdoor IR Dome Cameras

ZIPL84B2
8 Channel NVR with 8 Channel Built-In PoE, 2TB
4 Full HD 1080p Outdoor IR Bullet Cameras

ZIPL88D2
8 Channel NVR with 8 Channel Built-In PoE, 2TB
8 Full HD 1080p Outdoor IR Dome Cameras

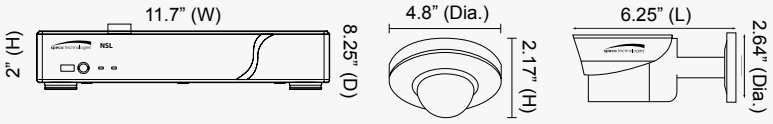
ZIPL88B2
8 Channel NVR with 8 Channel Built-In PoE, 2TB
8 Full HD 1080p Outdoor IR Bullet Cameras

ZIPL8BD2
8 Channel NVR with 8 Channel Built-In PoE, 2TB
4 Full HD 1080p Outdoor IR Dome Cameras,
4 Full HD 1080p Outdoor IR Bullet Cameras

Front panel

Rear panel

ZIPL8BD2 shown



NVR Features

EZ Set-Up Wizards: one click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network - Port forwarding

EZ Camera: quickly discovers and installs IP cameras
EZ Search: quickly search events from thumbnails
EZ Copy: auto copy what you are playing onto a USB flash drive

- Built-In PoE IEEE 802.3af
- Video Out: 1 HDMI®, 1 VGA
- Plug & play feature with Speco's IP cameras
- Dual network ports for isolating IP camera network and remote network traffic
- Network video recorder with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection or sensor
- Full HD (1920 x 1080) recording and playback
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ Plus CMS and Speco Player Mobile Viewer
- IR remote control and mouse included
- PC and MAC® compatible
- 3 year warranty

Camera Features

- Full HD 1080p
- 3.7mm fixed lens
- Real-time video up to 30fps
- PoE IEEE 802.3af
- Dual streaming
- Weather/vandal resistant
- IP66 compliant
- 2 year warranty

Camera Specifications

Image Sensor ..... 1/2.8" 2.1MP CMOS
Resolution..... 1080p/720p
Minimum Illumination.... 0 lux @F2.0 (IR on) / 0.1 lux @F2.0 (IR off)
S/N Ratio 50dB
Motion Detection..... Yes
Day/Night..... IR-cut filter
DNR..... 2D/3D Automatic

Camera Specifications (continued)

Number of IR LEDs ..... Dome: 12 / Bullet: 24
IR Range ..... Dome: 30' (depending on scene reflection)
Bullet: 50' (depending on scene reflection)

Operating & Unit Specifications

Power Supply .....PoE or 12VDC (power supply not included)
Power Consumption .....Dome: 500mA (IR on) / Bullet: 360mA (IR on)
Operating Temperature.....-4° F – 122° F
Camera Weights.....Dome: 14.40 oz. / Bullet: 15.36 oz.
Camera Dimensions.....Dome: 4.8" (Dia.) x 2.17" (H)
Bullet: 2.64" (Dia.) x 6.25" (L)
NVR Weight.....4 lbs.
NVR Dimensions .....11.7" (W) x 2" (H) x 8.25" (D)

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Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

Technical Specifications: 8 Ch. ZIPKIT Plug & Play Network Video Recorder

Model			ZIPL84D2 / ZIPL84B2 / ZIPL88D2 / ZIPL88B2 / ZIPL8BD2
Video	Input	Max. IP Channels	8
		Resolution	Max. 1920 x 1080
	Output	HDMI®	1 HDMI (1280 x 720, 1920 x 1080)
		VGA	1 VGA (1280 x 720, 1920 x 1080)
Audio	Input	IP Camera (Network)	8
	Output	Local Output (RCA)	1
	Audio Codec		G.711
Recording	Compression		H.264 (baseline, main and high profile)
	Resolution	1080p	240fps
		720p	240fps
	Recording Mode		Continuous / Motion / Sensor / Schedule / Manual / Continuous + Motion / Continuous + Sensor
	Pre-Recording		Max. 20 minutes
	Post Recording		Max. 60 seconds
Playback	Search		EZSearch, Date/Time, Event, Archive, Log
	Multi-Decoding		1, 4, 8
	Playback Speed		x0.25, x0.5, x2, x4, x8, x16, x32, x64
Backup	Media		USB Drive, External HDD, Network
	File Format		BMP, AVI, Proprietary Format
	Large Backup		Yes (max. 24 hours)
Storage	HDD	Capacity of 1 HDD	2TB
		Internal HDDs	1
	USB	Front	1
		Rear	1
User I/F	Input Method		IR, Mouse, Keyboard Controller
Event	Sensor In	IP Camera (Network)	8
		Local Input (Terminal Block)	None
	Local Alarm Output (Terminal Block)		None
	Motion Detection (From IP Camera)		Yes
Network	LAN (IP Camera, Auto Connection)		8 (802.3af PoE)
	WAN (IP Camera, Remote Access)		10/100Base-T
	Protocols		TCP/IP, UDP, DHCP, HTTP, NTP, SMTP, RTP, RTSP
	Max. Throughput		20Mbps
Network Access	Mobile Viewer		iPad® / iPhone® / Android™
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ Plus CMS
	MAC Client		Speco Client for MAC and SecureGuard™ CMS
	Remote Setup and Upgrade		Yes
Features	Digital Deterrent®		Default + up to 8 audio files
	Digital Zoom		Yes
	DLS (Daylight Savings)		Yes
	S.M.A.R.T		Yes
	Internal Beep		Yes
	Multi-Language		Yes
	Dynamic DNS		Yes (free Speco DDNS)
	Email Notification		Yes
	NTP (Network Time Protocol)		Yes
Power Source	Power Supply Voltage		48VDC, 1.2A
Allowable Operating Temperature			41° F - 104° F
Allowable Storage Temperature			14° F - 122° F
Weight	Unit Weight (Gross Weight)		4 lbs.
Dimensions	Unit Dimensions (W x H x D)		11.7” (W) x 2” (H) x 8.25” (D)

Please note that specifications and unit exterior design are subject to change without notification. Rev. 2/24/15

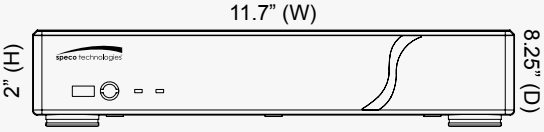
Plug & Play Network Video Recorder

N4NSL 4 Channel NVR with 4 Channel Built-In PoE
N8NSL 8 Channel NVR with 8 Channel Built-In PoE

Storage	1TB – 2TB
N4NSL1TB	N8NSL2TB

Front panel

Rear panel N4NSL shown



Features

EZ Set-Up Wizards: one click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network - Port forwarding
EZ Camera: quickly discovers and installs IP cameras
EZ Search: quickly search events from thumbnails
EZ Copy: auto copy what you are playing onto a USB flash drive

- Built-In PoE IEEE 802.3af
- Video Out: 1 HDMI®, 1 VGA
- Plug & play feature with Speco's IP cameras
- Dual network ports for isolating IP camera network and remote network traffic
- Network video recorder with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection
- Full HD (1920 x 1080) recording and playback
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ Plus and Speco Player Mobile Viewer
- PC and MAC® compatible
- 3 year warranty

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Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

Technical Specifications: Plug & Play Network Video Recorder

Model			NSL	
Video	Input	Max. IP Channels	4	8
		Resolution	Max. 1920 x 1080	
	Output	HDMI®	1 HDMI (1280 x 720, 1920 x 1080)	
		VGA	1 VGA (1280 x 720, 1920 x 1080)	
Audio	Input	IP Camera (Network)	4	8
	Output	Local Output (RCA)	1	
	Audio Codec		G.711	
Recording	Compression		H.264 (baseline, main and high profile)	
	Resolution	1080p	240fps	
		720p	240fps	
	Recording Mode		Continuous / Motion / Sensor / Schedule / Manual / Continuous + Motion / Continuous + Sensor	
	Pre-Recording		Max. 20 minutes	
	Post Recording		Max. 60 seconds	
Playback	Search		EZSearch, Date/Time, Event, Archive, Log	
	Multi-Decoding		1, 4	1, 4, 8
	Playback Speed		x0.25, x0.5, x2, x4, x8, x16, x32, x64	
Backup	Media		USB Drive, External HDD, Network	
	File Format		BMP, AVI, Proprietary Format	
	Large Backup		Yes (max. 24 hours)	
Storage	HDD	Capacity of 1 HDD	1TB	2TB
		Internal HDDs	1	
	USB	Front	1	
		Rear	1	
User I/F	Input Method		IR, Mouse, Keyboard Controller	
Event	Sensor In	IP Camera (Network)	8	
		Local Input (Terminal Block)	None	
	Local Alarm Output (Terminal Block)		None	
	Motion Detection (From IP Camera)		Yes	
Network	LAN (IP Camera, Auto Connection)		4 (802.3af PoE)	8 (802.3af PoE)
	WAN (IP Camera, Remote Access)		10/100Base-T	
	Protocols		TCP/IP, UDP, DHCP, HTTP, NTP, SMTP, RTP, RTSP	
	Max. Throughput		10Mbps	20Mbps
Network Access	Mobile Viewer		iPad® / iPhone® / Android™	
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari	
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ Plus CMS	
	MAC Client		Speco Client for MAC and SecureGuard™ CMS	
	Remote Setup and Upgrade		Yes	
Features	Digital Deterrent®		Default + up to 8 audio files	
	Digital Zoom		Yes	
	DLS (Daylight Savings)		Yes	
	S.M.A.R.T		Yes	
	Internal Beep		Yes	
	Multi-Language		Yes	
	Dynamic DNS		Yes (free Speco DDNS)	
	Email Notification		Yes	
	NTP (Network Time Protocol)		Yes	
Power Source	Power Supply Voltage		48VDC, 1.2A	
Allowable Operating Temperature			41° F - 104° F	
Allowable Storage Temperature			14° F - 122° F	
Weight	Unit Weight (Gross Weight)		4 lbs.	
Dimensions	Unit Dimensions (W x H x D)		11.7” (W) x 2” (H) x 8.25” (D)	

Please note that specifications and unit exterior design are subject to change without notification. Rev. 2/20/15

HS Hybrid Digital Video Recorder with Looping Outputs and Real-Time Recording

D8HS 8 Channel IP & Analog Hybrid DVR

D16HS 16 Channel IP & Analog Hybrid DVR

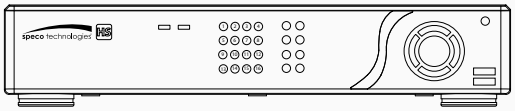
IP | 960H | HYBRID | DIGITAL DETERRENT | 2-WAY AUDIO | EZ SEARCH | EZ WIZARDS | S.M.A.R.T.

Front panel

Rear panel D8HS shown

15” (W) x 13.4” (D)

2.83” (H)



Storage 1TB – 9TB

D8HS1TB	D8HS4TB	D16HS1TB	D16HS4TB
D8HS2TB	D8HS6TB	D16HS2TB	D16HS6TB
D8HS3TB	D8HS9TB	D16HS3TB	D16HS9TB

Features

EZ Set-Up Wizards: One click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network
- Port forwarding

EZ Camera: quickly discovers and installs IP cameras
EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI®, 1 VGA, 1 CVBS, 1 Spot
- Real-time recording rate at 30fps/channel for analog channels at 960H and IP channels at Full HD (1920x1080)
- Up to 5MP resolution on channel 1
- Plug & play feature with Speco’s OnSIP/VIP/ZIP cameras
- ONVIF support*
- Dual network ports for isolating IP camera network and remote network traffic
- Each channel is configurable for either IP or analog
- H.264 video compression
- Networkable hybrid DVR with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Programmable recording on motion detection, sensor, schedule, continuous and manual
- Supports wireless access point for viewing and configuration
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Easy firmware upgrade by USB port or network
- User Access: up to 4 concurrent users
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Network software supports Static IP, DHCP and DDNS
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ Plus CMS, Internet Explorer Web-Viewer and Speco Player Mobile Viewer
- PC and MAC® compatible
- IR remote control & mouse included
- Rack mountable (hardware included)
- 3 year warranty

Free Apps with support for view on most smart devices

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Available on the App Store | Google play | ONVIF | HDMI®

Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

Technical Specifications: HS Hybrid Digital Video Recorder with Looping Outputs and Real-Time Recording

Model				D8HS	D16HS
Video	Input		IP Channels	Up to 8	Up to 16
			Analog Channels	Up to 8	Up to 16
	Output		HDMI®	1 HDMI (1280x720 / 1920x1080)	
			VGA	1 VGA (1280x720 / 1920x1080)	
			CVBS	1	
			SPOT	1 (Analog channels only)	
			Loopouts	8 (Analog channels only)	16 (Analog channels only)
Audio	Input			8 line input, 8 IP input	16 line input, 16 IP input
	Output		Local Output (RCA)	1	1
	Audio Codec			G.711	
Alarm	Sensor Input		Local Input	4	4
			Remote Input from IP Camera	8	16
	Alarm Output			1	1
Serial	RS-232C		Debugging Only	1	
	RS-485		PTZ	1	
Recording	Compression			H.264 (baseline, main, high profile)	
	Resolution	IP	2592x1944 (5MP)	Channel 8 only	Channel 16 only
			1920x1080 (1080p)	240fps	480fps
			1280x720 (720p)	240fps	480fps
		Analog	960H	240fps	480fps
			D1	240fps	480fps
			CIF	240fps	480fps
	Recording Quality Grade (Analog Only)			5 levels	
	Recording Mode			Continuous / Motion / Sensor / Schedule / Manual / Continuous + Sensor / Continuous + Motion	
	Pre-Recording			Max. 20 minutes	
	Post Recording			Max. 60 seconds	
Playback	Search			EZ Search, Date/Time, Event, Archive, Log	
	Multi-Decoding			1, 4, 8	1, 4, 9, 16
	Playback Speed			x0.25, x0.5, x2, x4, x8, x16, x32, x64	
Backup	Media			USB Drive, External HDD, Network	
	Format			BMP, AVI, Proprietary Format	
	Large Backup			Yes (max. 24 hours)	
Storage	HDD		Capacity of 1 HDD	3TB	
			Internal HDDs	3	
			e-SATA	1	
	USB			2 front, 1 rear	
User I/F	Menu Display			GUI	
	Input Method			Front Buttons, IR, Mouse, Keyboard Controller	
Network	Interface			Dual Network Ports 10/100/1000Base-T	
	Streaming		IP Channel	Depends on profile	
			Analog Channel	CIF @ 30fps/channel	
	Dual Encoding for Network			Yes	
	Max. Throughput			40Mbps	
Network Access	Mobile Viewer			Speco Player (Live, Search, PTZ, 2-Way Audio)	
	PC Web Viewer			IE, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)	
	PC Client			SpecoTech Multi-Client Viewer and SecureGuard® CMS	
Features	Digital Deterrent®			Default + up to 8 audio files	
	Digital Zoom			Yes	
	DLS (Daylight Savings)			Yes	
	EZ Record			Yes	
	S.M.A.R.T			Yes	
	Internal Beep			Yes	
	Multi-Language			Yes	
	Dynamic DNS			Yes (free Speco DDNS)	
	SW Upgrade			USB and remote software upgrade	
	E-mail Notification			Yes	
	NTP (Network Time Protocol)			Yes	
Power Source	Power Supply Voltage			12VDC, 5A	
Allowable Operating Temperature / Humidity				41° F - 104° F / 20% - 80% RH (non-condensing)	
Allowable Storage Temperature				14° F - 122° F	
Weight	Unit Weight (Gross Weight)			12 lbs.	
Dimensions	Unit Dimensions (W x H x D)			15" (W) x 2.83" (H) x 13.4" (D)	

Please note that specifications and unit exterior design are subject to change without notification. Rev. 3/10/15

HS Wall Mount Hybrid Digital Video Recorder with Looping Outputs and Real-Time Recording

D8WHS, D16WHS

Base Wall Mount Model

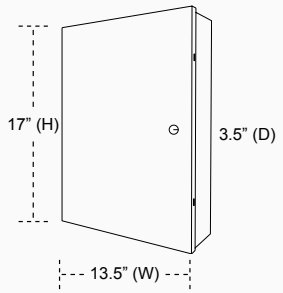
D8WHSM, D16WHSM

Wall Mount with Built-In Monitor

Storage **1TB – 8TB** (see page 66 for model numbers)

IP | 960 H | HYBRID | DIGITAL DETERRENT | 2-WAY AUDIO | EZ SEARCH | EZ WIZARDS | S.M.A.R.T.

Patented Design



Features

EZ Set-Up Wizards: One click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network
- Port forwarding

EZ Camera: quickly discovers and installs IP cameras
EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI®, 1 VGA, 1 CVBS, 1 Spot
- A patented DVR solution that easily mounts in equipment closets or electrical rooms for covert installations
- Real-time recording rate at 30fps/channel for analog channels at 960H and IP channels at Full HD (1920x1080)
- Up to 5MP resolution on channel 1
- Plug & play feature with Speco's OnSIP/VIP/ZIP cameras
- ONVIF support*
- Dual network ports for isolating IP camera network and remote network traffic
- Each channel is configurable for either IP or analog
- H.264 video compression
- Networkable hybrid DVR with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Programmable recording on motion detection, sensor, schedule, continuous and manual
- Supports wireless access point for viewing and configuration
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Easy firmware upgrade by USB port or network
- User Access: up to 4 concurrent users
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Network software supports Static IP, DHCP and DDNS
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ Plus CMS, Internet Explorer Web-Viewer and Speco Player Mobile Viewer
- PC and MAC® compatible
- IR remote control & mouse included
- Rack mountable (hardware included)
- 3 year warranty

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Available on the App Store | Google play | ONVIF | HDMI®

Optional Accessories

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

Technical Specifications: HS Wall Mount Hybrid Digital Video Recorder with Looping Outputs and Real-Time Recording

Model				WHS / WHSM	
Video	Input		IP Channels	Up to 8	Up to 16
			Analog Channels	Up to 8	Up to 16
	Output		HDMI®	1 HDMI (1280x720 / 1920x1080)	
			VGA	1 VGA (1280x720 / 1920x1080)	
			CVBS	1 main	
			SPOT	1 (Analog channels only)	
			Loopouts	8 (Analog channels only)	16 (Analog channels only)
Audio	Input			8 line input, 8 IP input	16 line input, 16 IP input
	Output		Local Output (RCA)	1	1
	Audio Codec			G.711	
Alarm	Sensor Input		Local Input	4	4
			Remote Input from IP Camera	8	16
	Alarm Output			1	1
Serial	RS-232C		Debugging Only	1	
	RS-485		PTZ	1	
Recording	Compression			H.264 (baseline, main, high profile)	
	Resolution	IP	2592x1944 (5MP)	Channel 8 only	Channel 16 only
			1920x1080 (1080p)	240fps	480fps
			1280x720 (720p)	240fps	480fps
		Analog	960H	240fps	480fps
			D1	240fps	480fps
			CIF	240fps	480fps
	Recording Quality Grade (Analog Only)			5 levels	
	Recording Mode			Continuous / Motion / Sensor / Schedule / Manual / Continuous + Sensor / Continuous + Motion	
	Pre-Recording			Max. 20 minutes	
	Post Recording			Max. 60 seconds	
Playback	Search			EZ Search, Date/Time, Event, Archive, Log	
	Multi-Decoding			1, 4, 8	1, 4, 9, 16
	Playback Speed			x0.25, x0.5, x2, x4, x8, x16, x32, x64	
Backup	Media			USB Drive, External HDD, Network	
	Format			BMP, AVI, Proprietary Format	
	Large Backup			Yes (max. 24 hours)	
Storage	HDD		Capacity of 1 HDD	4TB	
			Internal HDDs	2	
			e-SATA	1	
	USB			2 front, 1 rear	
User I/F	Menu Display			GUI	
	Input Method			IR, Mouse, Keyboard Controller	
Network	Interface			Dual Network Ports 10/100/1000Base-T	
	Streaming		IP Channel	Depends on profile	
			Analog Channel	CIF @ 30fps/channel	
	Dual Encoding for Network			Yes	
	Max. Throughput			40Mbps	
Network Access	Mobile Viewer			Speco Player (Live, Search, PTZ, 2-Way Audio)	
	PC Web Viewer			IE, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)	
	PC Client			SpecoTech Multi-Client Viewer and SecureGuard® CMS	
Features	Digital Deterrent®			Default + up to 8 audio files	
	Digital Zoom			Yes	
	DLS (Daylight Savings)			Yes	
	EZ Record			Yes	
	S.M.A.R.T			Yes	
	Internal Beep			Yes	
	Multi-Language			Yes	
	Dynamic DNS			Yes (free Speco DDNS)	
	SW Upgrade			USB and remote software upgrade	
	E-mail Notification			Yes	
	NTP (Network Time Protocol)			Yes	
Power Source	Power Supply Voltage			12VDC, 5A	
Allowable Operating Temperature / Humidity				41° F - 104° F / 20% - 80% RH (non-condensing)	
Allowable Storage Temperature				14° F - 122° F	
Weight	Unit Weight (Gross Weight)			Approx. 17 lbs.	
Dimensions	Unit Dimensions (W x H x D)			13.5" (W) x 17" (H) x 3.5" (D)	

Please note that specifications and unit exterior design are subject to change without notification. Rev. 3/10/15

LX Hybrid Digital Video Recorder with Looping Outputs

D12LX 8 Ch. 960H Analog + 4 Ch. IP Hybrid Digital Video Recorder

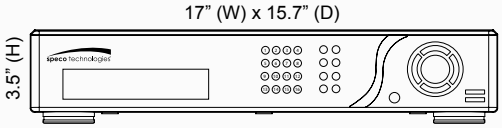
D20LX 16 Ch. 960H Analog + 4 Ch. IP Hybrid Digital Video Recorder

Storage 1TB - 9TB

D12LX1TB	D12LX6TB	D20LX1TB	D20LX6TB
D12LX2TB	D12LX9TB	D20LX2TB	D20LX9TB
D12LX3TB		D20LX3TB	
D12LX4TB		D20LX4TB	

Front panel

Rear panel D20LX shown



Features

EZ Set-Up Wizards: one click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network
- Port forwarding

EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- 8 or 16 analog channels (960H) + 4 IP channels (1080p)
- ONVIF support*
- Video Out: 1 HDMI®, Loop Out, 1 Spot, 1 VGA
- Multiple search engines (date/time, calendar, record table, event, motion, museum)
- Auto port forwarding and SSL encryption
- 2-way audio communication
- Digital Deterrent® for triggering audio message via motion detection or sensor
- Built-in DVD RW drive
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Free Speco DDNS service for use with dynamic IP addresses
- MAC® & PC compatible software included
- SNS communication alert via Twitter™
- Remote monitoring, recording, playback, change system settings and dome camera control via network
- IR remote control included - individually control up to 16 DVRs
- USB 2.0 port for video clip exporting
- Configurable per channel normal and event recording frame rate and picture quality or globally via EZ Record
- Easy software upgrade via network or USB flash drive
- Concurrent User Connections: Admin (2), Watch (10), Search (2)
- Digital zoom in live mode and playback
- Covert camera operation provides enhanced security and administrator control
- Playback while watching live on same monitor
- Up to 30 minutes pre-alarm recording
- Up to 30 minutes post-alarm recording
- USB mouse supported (not included)
- Password to secure installation with configurable user authentication levels
- Rack mountable (hardware included)
- SecureGuard™ Plus compatible
- 3 year warranty

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Optional Accessories

LSPSWMKIT
Wall Mounting Kit

IRRPTKIT
IR Repeater Kit

Technical Specifications: LX Hybrid Digital Video Recorder with Looping Outputs

ITEM				D12LX	D20LX
Video	Input		Channel	8 analog + 4 IP	16 analog + 4 IP
			Input Level	Composite 1.0Vp-p / 75 ohms	
			Signal Format	NTSC / PAL	
			Video Loss Check	Yes	
	Output		HDMI®	1 HDMI (1280x1024 / 1440x900 / 1920x1080)	
			VGA	1 VGA (1280x1024 / 1440x900 / 1920x1080)	
			BNC Spot	1 channel sequence	
			Loopout	8 analog	16 analog
Audio	Input			4 line	
	Output			1 line	
	Audio Codec			G.711	
Alarm	Serial Input (NC/NO Selectable)			8	16
	Alarm Output			2 alarm out by sensor, motion and video loss	
Serial	RS-232		POS	1	
	RS-485		PTZ/POS	1	
Recording	Compression			H.264	
	Multi-Operation			Quadplex (play, record, network, backup)	
	Resolution	Analog	960H	240fps	288fps
			D1	240fps	480fps
			CIF	480fps	480fps
		IP	720p	120fps	
			1080p	70fps	
	Recording Mode			Cont / Schedule / Motion / Sensor / Panic	
	Motion Detection			Motion detection grid	
	Recording by Channel's Resolution			Yes	
	Pre-Recording			5 seconds to 30 minutes before an event	
	Post Recording			5 seconds to 30 minutes after an event	
Playback	Multi-Decoding			1, 4, 6, 9, 12, PIP	1, 4, 6, 9, 12, 16, 20, PIP
	Search Mode			Date/Time, Record Table, Calendar, Event, Motion, Museum, EZ Search	
Storage	HDD		Capacity of 1 HDD	3TB	
			Internal HDD Number	3	
			e-SATA	1	
	Backup		USB Flash Drive	Video & Still Image	
			USB External HDD	Video & Still Image	
			Network	Video & Still Image	
	USB Port			2 front	
Network	Interface			10/100/1000Base-TX Ethernet	
	Streaming			CIF120fps (analog) / depends on profile (IP)	
	IP Camera Throughput			24 Mbps	
Network Access	Mobile Viewer			Speco Mobile (Live, Search, PTZ, 2-Way Audio)	
	PC Web Viewer			Internet Explorer (Live, Search, Backup, PTZ, Remote Setup)	
	PC Client			Speco Central II and SecureGuard™ Plus (Live, Search, Backup, PTZ, Remote Setup)	
	MAC Client			Speco Remote for MAC and SecureGuard® (Live, PTZ)	
Features	Digital Deterrent®			Default + up to 16 custom audio files	
	Digital Zoom			Live: x2, x3, x4 / Playback: x2, x4	
	DLS (Daylight Savings)			Yes	
	EZ Record			Yes	
	S.M.A.R.T			Yes	
	Internal Beep			Yes	
	Multi-Language			English, French, Spanish	
	Dynamic DNS			Yes (free Speco DDNS)	
	SW Upgrade			USB and remote software upgrade	
	Email Notification			Yes	
	NTP (Network Time Protocol)			Yes	
Power Source	Power Supply Voltage			12VDC, 5A	
Allowable Operating Temperature / Humidity				41° F - 104° F / 0% - 90% RH	
Allowable Storage Temperature				14º F - 122º F	
Weight	Unit Weight (Gross Weight)			17.9 lbs.	
Dimensions	Unit Dimensions (W x H x D)			17" (W) x 3.5" (H) x 15.7" (D)	

Please note that specifications and unit exterior design are subject to change without notification Rev 2/20/15.

DS Digital Video Recorder with 960H Real-Time Recording

D8DS 8 Channel 960H Digital Video Recorder
D16DS 16 Channel 960H Digital Video Recorder

Storage	1TB – 9TB		
D8DS1TB	D8DS6TB	D16DS1TB	D16DS6TB
D8DS2TB	D8DS9TB	D16DS2TB	D16DS9TB
D8DS3TB		D16DS3TB	
D8DS4TB		D16DS4TB	

960H DIGITAL DETERRENT 2-WAY AUDIO EZ SEARCH EZ WIZARDS S.M.A.R.T.

Front panel

Rear panel D8DS shown

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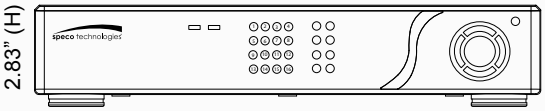
15" (W) x 13.4" (D)



Features

EZ Set-Up Wizards: One click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network - Port forwarding

EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI®, 1 VGA, 1 BNC, 1 Spot
- Networkable DVR with free Speco DDNS server
- Easy and simple graphical user interface
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Programmable recording on motion detection, sensor, schedule, continuous and manual
- Real-time recording rate at 240FPS (8 Ch.) / 480FPS (16 Ch.) at 960H/D1
- Supports wireless access point for viewing and configuration
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- 8/16 channel audio recording
- Covert camera operation provides enhanced security and administrator control
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Password to secure installation authorization
- Easy firmware upgrade by USB port or network
- User Access: up to 4 concurrent users
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- PC and MAC® compatible
- Supports multiple PC based browsers such as Internet Explorer, Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ CMS and Speco Player Mobile Viewer
- Rack mountable (hardware included)
- 3 year warranty

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Available on the App Store Google play HDMI®

Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

Technical Specifications: DS Digital Video Recorder with 960H Real-Time Recording

ITEM			DS	
Video	Input	Channel	8	16
		Input Level	Composite, 1.0Vp-p, 75 ohms	
		Signal Format	NTSC / PAL	
		Video Loss Check	Yes	
	Output	HDMI	1 HDMI (1280x720, 1920x1080)	
		VGA	1 VGA (1280x720, 1920x1080)	
		BNC & SPOT	Main and Spot	
Audio	Input & Output		8 line input & 1 line output	16 line input & 1 line output
	Audio Codec		G.711	
Alarm	Sensor Input (NC/NO Selectable)		4 channel (NC/NO selectable)	
	Alarm Output		1 alarm out by sensor, motion, video loss, HDD temperature and HDD failure	
Serial	RS-485	PTZ	1	
Recording	Compression		H.264	
	Multi-Operation		Quadplex (play, record, network, backup)	
	Resolution	960H	240fps	480fps
		D1	240fps	480fps
		CIF	240fps	480fps
	Recording Mode		Continuous / Schedule / Motion / Sensor / Manual / Continuous + Sensor / Continuous + Motion	
	Motion Detection		Motion detection grid	
	Recording by Channel's Resolution		Yes	
	Pre-Recording		Max. 20 minutes	
	Post Recording		Max. 60 seconds	
Playback	Multi-Decoding		1, 4, 8	1, 4, 9, 16
	Search Mode		EZ Search, Timeline, Event, Archive and Log	
Storage	HDD	Interface Type	Sata ATA	
		Capacity of 1 HDD	3TB	
		Internal HDD Number	3	
		e-SATA	1	
	Backup	USB Flash Drive	Video & Still Image	
		USB External HDD	Video & Still Image	
		Network	Video & Still Image	
	USB Port		3	
User I/F	Menu Display		GUI	
	Input Method		Front Buttons, Mouse, IR Remote Control	
Network	Interface		10/100/1000Base-TX Ethernet	
	Streaming		CIF 240fps	CIF 480fps
Network Access	Mobile Viewer		Live, Search, PTZ, 2-Way Audio	
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)	
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)	
	MAC Client		Speco Client for MAC and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)	
Features	Digital Deterrent®		Default + up to 8 custom audio files	
	Digital Zoom		Yes	
	DLS (Daylight Savings)		Yes	
	EZ Record		Yes	
	S.M.A.R.T		Yes	
	Internal Beep		By video loss, HDD error	
	Multi-Language		English / French / Spanish	
	Dynamic DNS		Yes (free Speco DDNS)	
	SW Upgrade		USB and remote software upgrade	
	NTP (Network Time Protocol)		Yes	
Power Source	Power Supply Voltage		12VDC, 5A	
Allowable Operating Temperature / Humidity			41° F – 104° F / 20% – 80% RH	
Allowable Storage Temperature			14º F – 122º F	
Weight	Unit Weight (Gross Weight)		12 lbs.	
Dimensions	Unit Dimensions (W x H x D)		15" (W) x 2.83" (H) x 13.4" (D)	

Please note that specifications and unit exterior design are subject to change without notification. Rev. 4/8/14

DS Wall Mount Digital Video Recorder with 960H Real-Time Recording

D8WDS, D16WDS

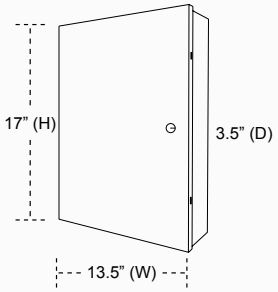
Base Wall Mount Model

D8WDSM, D16WDSM

Wall Mount with Built-In Monitor

Storage **1TB – 9TB** (page 67 for model numbers)

Patented Design



Features

EZ Setup: for quick system setup
EZ Network: for quick set-up on a network
EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI, 1 VGA, 1 BNC, 1 Spot
- A patented DVR solution that easily mounts in equipment closets or electrical rooms for covert installations
- Networkable DVR with free Speco DDNS server
- Easy and simple graphical user interface
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Programmable recording on motion detection, sensor, schedule, continuous and manual
- Real-time recording rate at 240FPS (8 Ch.) / 480FPS (16 Ch.) at 960H/D1
- Supports wireless access point for viewing and configuration
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- 8/16 channel audio recording
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Covert camera operation provides enhanced security and administrator control
- Password to secure installation authorization
- Easy firmware upgrade by USB port or network
- User Access: up to 4 concurrent users
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- PC and MAC® compatible
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ CMS, Internet Explorer Web-Viewer and Speco Player Mobile Viewer
- 3 year warranty

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Optional Accessories

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

Technical Specifications: DS Wall Mount Digital Video Recorder with 960H Real-Time Recording

ITEM			WDS / WDSM	
Video	Input	Channel	8	16
		Input Level	Composite, 1.0Vp-p, 75 ohms	
		Signal Format	NTSC / PAL	
		Video Loss Check	Yes	
	Output	HDMI	1 HDMI (1280x720, 1920x1080)	
		VGA	1 VGA (1280x720, 1920x1080)	
		BNC & SPOT	Main and Spot	
Audio	Input & Output		8 line input & 1 line output	16 line input & 1 line output
	Audio Codec		G.711	
Alarm	Sensor Input (NC/NO Selectable)		4 channel (NC/NO selectable)	
	Alarm Output		1 alarm out by sensor, motion, video loss, HDD temperature and HDD failure	
Serial	RS-485	PTZ	1	
Recording	Compression		H.264	
	Multi-Operation		Quadplex (play, record, network, backup)	
	Resolution	960H	240fps	480fps
		D1	240fps	480fps
		CIF	240fps	480fps
	Recording Mode		Continuous / Schedule / Motion / Sensor / Manual / Continuous + Sensor / Continuous + Motion	
	Motion Detection		Motion detection grid	
	Recording by Channel's Resolution		Yes	
	Pre-Recording		Max. 20 minutes	
	Post Recording		Max. 60 seconds	
Playback	Multi-Decoding		1, 4, 8	1, 4, 9, 16
	Search Mode		EZ Search, Timeline, Event, Archive and Log	
Storage	HDD	Interface Type	Sata ATA	
		Capacity of 1 HDD	3TB	
		Internal HDD Number	3	
		e-SATA	1	
	Backup	USB Flash Drive	Video & Still Image	
		USB External HDD	Video & Still Image	
		Network	Video & Still Image	
	USB Port		3	
User I/F	Menu Display		GUI	
	Input Method		Mouse, IR Remote Control	
Network	Interface		10/100/1000Base-TX Ethernet	
	Streaming		CIF 240fps	CIF 480fps
Network Access	Mobile Viewer		Live, Search, PTZ, 2-Way Audio	
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)	
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)	
	MAC Client		Speco Client for MAC and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)	
Features	Digital Deterrent®		Default + up to 8 custom audio files	
	Digital Zoom		Yes	
	DLS (Daylight Savings)		Yes	
	EZ Record		Yes	
	S.M.A.R.T		Yes	
	Internal Beep		By video loss, HDD error	
	Multi-Language		English / French / Spanish	
	Dynamic DNS		Yes (free Speco DDNS)	
	SW Upgrade		USB and remote software upgrade	
	NTP (Network Time Protocol)		Yes	
Power Source	Power Supply Voltage		12VDC, 5A	
Allowable Operating Temperature / Humidity			41° F – 104° F / 20% – 80% RH	
Allowable Storage Temperature			14º F – 122º F	
Weight	Unit Weight (Gross Weight)		Approx. 17 lbs.	
Dimensions	Unit Dimensions (W x H x D)		13.5" (W) x 17" (H) x 3.5" (D)	

Please note that specifications and unit exterior design are subject to change without notification. Rev. 2/14/14

CX 960H Digital Video Recorder with Custom Scheduling

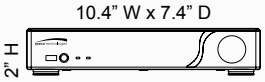
D4CX 4 Channel Digital Video Recorder
D8CX 8 Channel Digital Video Recorder
D16CX 16 Channel Digital Video Recorder

Storage	500GB – 6TB	
D4CX500	D8CX500	D16CX1TB
D4CX1TB	D8CX1TB	D16CX2TB
D4CX2TB	D8CX2TB	D16CX3TB
D4CX3TB	D8CX3TB	D16CX4TB
		D16CX6TB

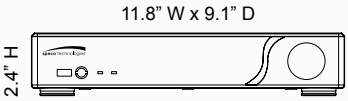
960H | DIGITAL DETERRENT | 2-WAY AUDIO | EZ SEARCH | EZ WIZARDS | S.M.A.R.T.

Front panel

Rear panel D16CX shown



D4CX / D8CX



D16CX

Features

EZ Set-Up Wizards: one click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/time - Recording method - Recording video quality - Network - Port forwarding

EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI®, 1 VGA
- 960H / D1 / 2CIF / CIF record solutions
- 2-way audio communication
- Digital Deterrent® for triggering audio message via motion detection or sensor
- Free Speco DDNS service for use with dynamic IP addresses
- Remote monitoring, recording, playback, change system settings and camera control via network and/or internet
- IR remote control included - individually control up to 16 DVRs
- Multiple search modes (date/time, calendar, record table, event motion, museum)
- USB 2.0 port for video clip exporting
- Easy software upgrade via network or USB flash drive
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Configurable per channel normal and event recording frame rate & picture quality or globally via EZ Record
- SNS communication alert via Twitter™
- Digital zoom in live mode and playback
- Covert camera operation provides enhanced security and administrator control
- Playback while watching live on same monitor
- Up to 30 minutes pre-alarm recording
- Up to 30 minutes post-alarm recording
- Concurrent User Connections: Admin (2) / Watch (10) / Search (2)
- USB mouse supported (not included)
- Password to secure installation with configurable user authentication levels
- MAC® & PC compatible software included
- SecureGuard™ Plus compatible
- 3 year warranty

Free Apps with support for view on most smart devices

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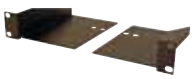
Optional Accessories



DCSRE
Rack Ears

IRRPTKIT
IR Repeater Kit

Technical Specifications: CX 960H Digital Video Recorder with Custom Scheduling

ITEM			D4CX	D8CX	D16CX
Video	Input	Channels	4	8	16
		Input Level	Composite 1.0Vp-p / 75 ohms		
		Signal Format	NTSC / PAL		
		Video Loss Check	Yes		
	Output	HDMI®	1 HDMI (1280x1024 / 1440x900 / 1920x1080)		
		VGA	1 VGA (1280x1024 / 1440x900 / 1920x1080)		
Audio	Input & Output		4 line input, 1 live output		
	Audio Codec		G.711		
Alarm	Sensor Input		4 channel (NC/NP selectable)		
	Alarm Output		1 alarm out by sensor, motion, and video loss		
Serial	RS-232C	POS	1		
	RS-485	PTZ / POS	1		
Recording	Compression		H.264		
	Multi-Operation		Quadplex (play, record, network, backup)		
	Resolution	960H	120fps	240fps	480fps
		D1	120fps	240fps	480fps
		CIF	120fps	240fps	480fps
	Recording Mode		Cont / Schedule / Motion / Sensor / Panic		
	Motion Detection		Motion detection grid		
	Recording by Channel's Resolution		Yes		
	Pre-Recording		5 seconds to 30 minutes before an event		
	Post Recording		5 seconds to 30 minutes after an event		
Playback	Multi-Decoding		1, 4, PIP	1, 4, 9, PIP, 1+5, 1+7	1, 4, 9, PIP, 1+5, 1+7
	Search Mode		Date/Time, Record Table, Calendar, Event, Motion, Museum, EZ Search		
Storage	HDD	Interface Type	SATA 2.0		
		Capacity of 1 HDD	3TB		
		Internal HDD Number	1		2
	Backup	USB Flash Drive	Video & Still Image		
		USB External HDD	Video & Still Image		
		Network	Video & Still Image		
	USB Port		2 front		
User I/F	Menu Display		GUI		
	Input Method		Mouse, IR Remote Control		
Network	Interface		10/100/1000Base-TX Ethernet		
	Streaming		CIF 120fps	CIF 240fps	CIF 480fps
Network Access	Mobile Viewer		Speco Mobile (Live, Search, PTZ, 2-Way Audio)		
	PC Web Viewer		Internet Explorer (Live, Search, Backup, PTZ, Remote Setup)		
	PC Client		Speco Central II and SecureGuard™ Plus (Live, Search, Backup, PTZ, Remote Setup)		
	MAC Client		Speco Remote for MAC and SecureGuard™ (Live, PTZ)		
Features	Digital Deterrent®		Default + up to 16 custom audio files		
	Digital Zoom		Live: x2, x3, x4 / Playback: x2		
	DLS (Daylight Savings)		Yes		
	EZ Record		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		Yes		
	Multi-Language		English / French / Spanish		
	Dynamic DNS		Yes (free Speco DDNS)		
	SW Upgrade		USB and remote software upgrade		
	Email Notification		Yes		
	NTP (Network Time Protocol)		Yes		
Power Source	Power Supply Voltage		12VDC, 5A		
Allowable Operating Temperature / Humidity			41° F – 104° F / 0% – 90% RH		
Allowable Storage Temperature			14º F – 122º F		
Weight	Unit Weight (Gross Weight)		3.3 lbs.		6.8 lbs.
Dimensions	Unit Dimensions (W x H x D)		10.4" (W) x 2" (H) x 7.4" (D)		11.8" (W) x 2.4" (H) x 9.1" (D)

Please note that specifications and unit exterior design are subject to change without notification. Rev. 1/21/15

VS 960H Digital Video Recorder

960 | DIGITAL DETERRENT | 2-WAY AUDIO | EZ SEARCH | S.M.A.R.T.

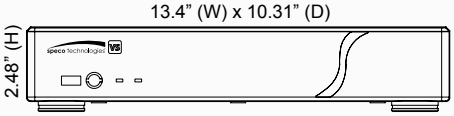
D4VS 4 Channel 960H Digital Video Recorder
D8VS 8 Channel 960H Digital Video Recorder
D16VS 16 Channel 960H Digital Video Recorder

Storage	500GB - 6TB	
D4VS500	D8VS1TB	D16VS1TB
D4VS1TB	D8VS2TB	D16VS2TB
D4VS2TB	D8VS3TB	D16VS3TB
	D8VS4TB	D16VS4TB
	D8VS6TB	D16VS6TB

Front panel

Rear panel D4VS shown

13.4" (W) x 10.31" (D)



Features

EZ Set-Up Wizards: One click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network - Port forwarding

EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI®, 1 VGA, 1 CVBS
- H.264 video compression
- Networkable DVR with free Speco DDNS server
- Easy and simple graphical user interface
- Digital Deterrent® supports up to 8 audio files for triggering during sensor or motion detection
- 2-way audio communication
- Programmable recording on motion detection, sensor, schedule, continuous and manual
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- 4 channel audio recording
- Covert camera operation provides enhanced security and administrator control
- Password to secure installation authorization
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Easy firmware upgrade by USB port or network
- Instant and convenient backup via USB flash drive or network
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Simultaneous playback/record while continuing to network transfer or backup
- User Access: up to 4 concurrent users for live viewing, 1 user for playback
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ CMS, Internet Explorer, Web-Viewer and Speco Player Mobile Viewer
- PC and MAC® compatible
- IR remote control and mouse included
- Digital watermarking
- 3 year warranty

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Available on the App Store | Google play | HDMI®

Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

Technical Specifications: VS 960H Digital Video Recorder

ITEM			D4VS	D8VS	D16VS
Video	Input	Channel	4	8	16
		Input Level	Composite, 1.0Vp-p, 75 ohms		
		Signal Format	NTSC / PAL		
		Video Loss Check	Yes		
	Output	HDMI®	1 HDMI (1024x768, 1280x720, 1280x1024, 1920x1080)		
		VGA	1 VGA (1024x768, 1280x720, 1280x1024, 1920x1080)		
		CVBS / Spot	1 main or 1 spot	1 main and 1 spot	
Audio	Input & Output		4 line input & 1 line output		
	Audio Codec		G.711		
Alarm	Sensor Input		4 channel (NC/NO selectable)		
	Alarm Output		1 alarm out by sensor, motion, video loss, HDD temperature and HDD failure		
Serial	RS-485	PTZ	1		
Recording	Compression		H.264		
	Multi-Operation		QUADPLEX (play / record / network / backup)		
	Resolution	960H	120fps	240fps	240fps
		D1	120fps	240fps	240fps
		CIF	120fps	240fps	480fps
	Recording Mode		Continuous / Schedule / Motion / Sensor / Manual / Continuous + Motion / Continuous + Sensor		
	Motion Detection		Motion detection setup by grid		
	Recording by Channel's Resolution		Yes		
	Pre-Recording		Max. 20 minutes		
	Post Recording		Max. 60 seconds		
Playback	Multi-Decoding		1, 4	1, 4, 8	1, 4, 9, 16
	Search Mode		EZ Search, Timeline, Event, Archive, Log		
Storage	HDD	Interface Type	Serial ATA		
		Capacity of 1 HDD	2 TB	3 TB	
		Internal HDD	1	2	
	Backup	USB Flash Drive	Video & Still Image		
		USB External HDD	Video & Still Image		
		Network	Video & Still Image		
	USB Port		1 front, 1 rear		
User I/F	Menu Display		GUI		
	Input Method		IR, Mouse, Keyboard Controller		
Network	Interface		10/100Base-T		
	Streaming		CIF 15fps / channel max.		
Network Access	Mobile Viewer		Live, Search, PTZ, 2-Way Audio		
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)		
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)		
	MAC Client		Speco Client for MAC and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)		
Features	Digital Deterrent®		Default + up to 8 custom audio files		
	Digital Zoom		Yes		
	DLS (Daylight Savings)		Yes		
	EZ Record		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		By video loss, HDD error		
	Multi-Language		English / Spanish / French		
	Dynamic DNS		Yes (free Speco DDNS)		
	SW Upgrade		USB and remote software upgrade		
	Email Notification		Yes		
	NTP (Network Time Protocol)		Yes		
Power Source	Power Supply Voltage		12VDC, 3A	12VDC, 5A	
Allowable Operating Temperature / Humidity			41° F - 104° F / 20% - 80% RH		
Allowable Storage Temperature			14° F - 122° F		
Weight	Unit Weight (Gross Weight)		3.3 lbs.		
Dimensions	Unit Dimensions (W x H x D)		13.4" (W) x 2.48" (H) x 10.31" (D)		

Please note that specifications and unit exterior design are subject to change without notification. Rev. 5/22/14

VS 960H Wall Mount Digital Video Recorder

D4WVS, D8WVS, D16WVS

Base Wall Mount Model

D4WVSM, D8WVSM, D16WVSM

Wall Mount with Built-In Monitor

D4WVSP, D8WVSP

Wall Mount with Built-In Power Supply

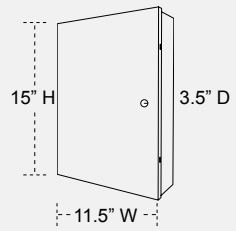
D4WVSPM, D8WVSPM

Wall Mount with Built-In Power Supply and Monitor

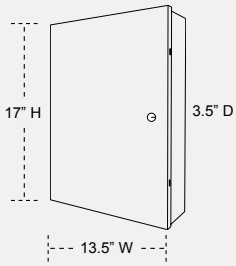
Storage **500GB - 6TB** (see page 67 for model numbers)

960 H | DIGITAL DETERRENT | 2-WAY AUDIO | EZ SEARCH | S.M.A.R.T.

Patented Design



WVS, WVSM



WVSP, WVSPM

Features

EZ Set-Up Wizards: One click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
- Date/Time - Recording method - Recording video quality - Network
- Port forwarding

EZ Search: quickly search events from thumbnails
EZ Record: quickly setup recording resolutions and recording type
EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI®, 1 VGA, 1 CVBS
- A patented DVR solution that easily mounts in equipment closets or electrical rooms for covert installations
- H.264 video compression
- Networkable DVR with free Speco DDNS server
- Easy and simple graphical user interface
- Digital Deterrent® supports up to 8 audio files for triggering during sensor or motion detection
- 2-way audio communication
- Programmable recording on motion detection, sensor, schedule, continuous and manual
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- 4 channel audio recording
- Covert camera operation provides enhanced security and administrator control
- Password to secure installation authorization
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
- Easy firmware upgrade by USB port or network
- Instant and convenient backup via USB flash drive or network
- Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
- Simultaneous playback/record while continuing to network transfer or backup
- User Access: up to 4 concurrent users for live viewing, 1 user for playback
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ Plus CMS, Internet Explorer, Web-Viewer and Speco Player Mobile Viewer
- PC and MAC® compatible
- IR remote control and mouse included
- Digital watermarking
- 3 year warranty

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Available on the App Store | Google play | HDMI®

Optional Accessory

IRRPTKIT
IR Repeater Kit

Technical Specifications: VS 960H Wall Mount Digital Video Recorder

ITEM			WVS / WVSM / WVSP / WVSPM		
Video	Input	Channel	4	8	16
		Input Level	Composite, 1.0Vp-p, 75 ohms		
		Signal Format	NTSC / PAL		
		Video Loss Check	Yes		
	Output	HDMI®	1 HDMI (1024x768, 1280x720, 1280x1024, 1920x1080)		
		VGA	1 VGA (1024x768, 1280x720, 1280x1024, 1920x1080)		
		CVBS / Spot	1 main or 1 spot	1 main and 1 spot	
Audio	Input & Output		4 line input & 1 line output		
	Audio Codec		G.711		
Alarm	Sensor Input		4 channel (NC/NO selectable)		
	Alarm Output		1 alarm out by sensor, motion, video loss, HDD temperature and HDD failure		
Serial	RS-485	PTZ	1		
Recording	Compression		H.264		
	Multi-Operation		QUADPLEX (play / record / network / backup)		
	Resolution	960H	120fps	240fps	240fps
		D1	120fps	240fps	240fps
		CIF	120fps	240fps	480fps
	Recording Mode		Continuous / Schedule / Motion / Sensor / Manual / Continuous + Motion / Continuous + Sensor		
	Motion Detection		Motion detection setup by grid		
	Recording by Channel's Resolution		Yes		
	Pre-Recording		Max. 20 minutes		
	Post Recording		Max. 60 seconds		
Playback	Multi-Decoding		1, 4	1, 4, 8	1, 4, 9, 16
	Search Mode		EZ Search, Timeline, Event, Archive, Log		
Storage	HDD	Interface Type	Serial ATA		
		Capacity of 1 HDD	2 TB	3 TB	
		Internal HDD	1	2	
	Backup	USB Flash Drive	Video & Still Image		
		USB External HDD	Video & Still Image		
		Network	Video & Still Image		
	USB Port		1 front, 1 rear		
User I/F	Menu Display		GUI		
	Input Method		IR, Mouse, Keyboard Controller		
Network	Interface		10/100Base-T		
	Streaming		CIF 15fps / channel max.		
Network Access	Mobile Viewer		Live, Search, PTZ, 2-Way Audio		
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)		
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard™ Plus CMS (Live, Search, Backup, PTZ, Remote Setup)		
	MAC Client		Speco Client for MAC and SecureGuard™ CMS (Live, Search, Backup, PTZ, Remote Setup)		
Features	Digital Deterrent®		Default + up to 8 custom audio files		
	Digital Zoom		Yes		
	DLS (Daylight Savings)		Yes		
	EZ Record		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		By video loss, HDD error		
	Multi-Language		English / Spanish / French		
	Dynamic DNS		Yes (free Speco DDNS)		
	SW Upgrade		USB and remote software upgrade		
	Email Notification		Yes		
	NTP (Network Time Protocol)		Yes		
Power Source	Power Supply Voltage		12VDC, 3A	12VDC, 5A	
Allowable Operating Temperature / Humidity			41° F - 104° F / 20% - 80% RH		
Allowable Storage Temperature			14° F - 122° F		
Weight	Unit Weight (Gross Weight)		WVS: 8.5 lbs. / WVSM: 9 lbs. / WVSP: 12 lbs. / WVSPM: 12.3 lbs.		
Dimensions	Unit Dimensions (W x H x D)		WVS / WVSM: 11.5" (W) x 15" (H) x 3.5" (D) | WVSP / WVSPM: 13.5" (W) x 17" (H) x 3.5" (D)		

Please note that specifications and unit exterior design are subject to change without notification. Rev. 12/5/14

WNS

CH.	HDD	Base Model	Built-In Monitor	Built-In Power Supply	Built-In Power Supply and Monitor
4	1TB	N4WNS1TB	N4WNSM1TB	N4WNSP1TB	N4WNSPM1TB
	2TB	N4WNS2TB	N4WNSM2TB	N4WNSP2TB	N4WNSPM2TB
	3TB	N4WNS3TB	N4WNSM3TB	N4WNSP3TB	N4WNSPM3TB
	4TB	N4WNS4TB	N4WNSM4TB	N4WNSP4TB	N4WNSPM4TB
	6TB	N4WNS6TB	N4WNSM6TB	N4WNSP6TB	N4WNSPM6TB
	9TB	N4WNS9TB	N4WNSM9TB	X	X
8	1TB	N8WNS1TB	N8WNSM1TB	N8WNSP1TB	N8WNSPM1TB
	2TB	N8WNS2TB	N8WNSM2TB	N8WNSP2TB	N8WNSPM2TB
	3TB	N8WNS3TB	N8WNSM3TB	N8WNSP3TB	N8WNSPM3TB
	4TB	N8WNS4TB	N8WNSM4TB	N8WNSP4TB	N8WNSPM4TB
	6TB	N8WNS6TB	N8WNSM6TB	N8WNSP6TB	N8WNSPM6TB
	9TB	N8WNS9TB	N8WNSM9TB	X	X
16	1TB	X	X	X	X
	2TB	N16WNS2TB	N16WNSM2TB	N16WNSP2TB	N16WNSPM2TB
	3TB	N16WNS3TB	N16WNSM3TB	N16WNSP3TB	N16WNSPM3TB
	4TB	N16WNS4TB	N16WNSM4TB	N16WNSP4TB	N16WNSPM4TB
	6TB	N16WNS6TB	N16WNSM6TB	N16WNSP6TB	N16WNSPM6TB
	9TB	N16WNS9TB	N16WNSM9TB	X	X

Please note that specifications and unit exterior design are subject to change without notification. Rev. 4/11/14

WHS

CH.	HDD	Base Model	CH.	HDD	Base Model	CH.	HDD	Built-In Monitor	CH.	HDD	Built-In Monitor
8	1TB	D8WHS1TB	16	1TB	D16WHS1TB	8	1TB	D8WHSM1TB	16	1TB	D16WHSM1TB
	2TB	D8WHS2TB		2TB	D16WHS2TB		2TB	D8WHSM2TB		2TB	D16WHSM2TB
	3TB	D8WHS3TB		3TB	D16WHS3TB		3TB	D8WHSM3TB		3TB	D16WHSM3TB
	4TB	D8WHS4TB		4TB	D16WHS4TB		4TB	D8WHSM4TB		4TB	D16WHSM4TB
	6TB	D8WHS6TB		6TB	D16WHS6TB		6TB	D8WHSM6TB		6TB	D16WHSM6TB
	8TB	D8WHS8TB		8TB	D16WHS8TB		8TB	D8WHSM9TB		8TB	D16WHSM8TB

Please note that specifications and unit exterior design are subject to change without notification. 3/10/15

WVS

CH.	HDD	Base Model	Built-In Monitor	Built-In Power Supply	Built-In Power Supply and Monitor
4	500GB	D4WVS500	D4WVSM500	D4WVSP500	D4WVSPM500
	1TB	D4WVS1TB	D4WVSM1TB	D4WVSP1TB	D4WVSPM1TB
	2TB	D4WVS2TB	D4WVSM2TB	D4WVSP2TB	D4WVSPM2TB
8	1TB	D8WVS1TB	D8WVSM1TB	D8WVSP1TB	D8WVSPM1TB
	2TB	D8WVS2TB	D8WVSM2TB	D8WVSP2TB	D8WVSPM2TB
	3TB	D8WVS3TB	D8WVSM3TB	D8WVSP3TB	D8WVSPM3TB
	4TB	D8WVS4TB	D8WVSM4TB	D8WVSP4TB	D8WVSPM4TB
	6TB	D8WVS6TB	D8WVSM6TB	D8WVSP6TB	D8WVSPM6TB
16	1TB	D16WVS1TB	D16WVSM1TB	X	X
	2TB	D16WVS2TB	D16WVSM2TB	X	X
	3TB	D16WVS3TB	D16WVSM3TB	X	X
	4TB	D16WVS4TB	D16WVSM4TB	X	X
	6TB	D16WVS6TB	D16WVSM6TB	X	X

Please note that specifications and unit exterior design are subject to change without notification. Rev 12/5/14

WDS

CH.	HDD	Base Model	CH.	HDD	Base Model	CH.	HDD	Built-In Monitor	CH.	HDD	Built-In Monitor
8	1TB	D8WDS1TB	16	1TB	D16WDS1TB	8	1TB	D8WDSM1TB	16	1TB	D16WDSM1TB
	2TB	D8WDS2TB		2TB	D16WDS2TB		2TB	D8WDSM2TB		2TB	D16WDSM2TB
	3TB	D8WDS3TB		3TB	D16WDS3TB		3TB	D8WDSM3TB		3TB	D16WDSM3TB
	4TB	D8WDS4TB		4TB	D16WDS4TB		4TB	D8WDSM4TB		4TB	D16WDSM4TB
	6TB	D8WDS6TB		6TB	D16WDS6TB		6TB	D8WDSM6TB		6TB	D16WDSM6TB
	9TB	D8WDS9TB		9TB	D16WDS9TB		9TB	D8WDSM9TB		9TB	D16WDSM9TB

Please note that specifications and unit exterior design are subject to change without notification. 2/14/14

Be ANYWHERE at ANYTIME.

SecureGuard™ **Plus** Video Managment Software

SecureGuard™ **Plus** VMS allows users to view their sites remotely from anywhere in the world. With our software you can effortlessly manage and monitor multiple sites.

- **FREE** Video Management Software with **NO** licensing fees
- Simple user interface for managing Speco's line of IP Cameras, NVRs and DVRs
- Free updates will keep you up-to-date with Speco's latest offerings
- Fully scalable to support any installation type
- Record to a DAS or NAS drive with Schedule Recording
- Reduce IP camera network traffic with dual stream support for Speco's IP cameras

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NVR/DVR COMPARISON CHART

Features	NS/NSP/NSF	WNS	NSL	ZS	NVRP4	NVRWP4	HS	WHS	LX	DS	WDS	CX	VS	WVS
EZ Search	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
EZ Copy	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
EZ Record	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
EZ Network	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	
EZ Setup	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	
Digital Deterrent®	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
Remote Upgrade	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
DDNS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
E-mail	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disk S.M.A.R.T. Check	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
Disk Temperature Check	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
IR Remote Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
System Logs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Setup Import/Export	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote Setup	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote Recording	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote PTZ Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote Playback	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote Monitoring	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pre-Event Recording	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Network Time Protocol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Motion Detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Calendar Search	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Event Search	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Event Recording	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Event Notification	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Event Logs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DST Setup	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Export with Audio	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Covert Cameras	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
Basic Operation w/o any HDD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HDD Overwrite	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Audio Playback	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Motion Search	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2-way Audio Communication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Digital Zoom	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spot Monitor							✓	✓	✓	✓	✓		✓	✓
E-SATA Port	✓	✓			✓	✓	✓	✓	✓	✓	✓			
UPnP	✓	✓	✓				✓	✓	✓	✓	✓	✓		
Time-Lapse Recording					✓	✓			✓			✓		
POS Interface									✓			✓		
POS Search									✓			✓		
POS Recording									✓			✓		
Alarm Output	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote System Health Status	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote Event Callback									✓			✓		
PTZ Preset on Event									✓			✓		
Panic Recording	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Museum Search	✓								✓			✓		
Map Integration									✓			✓		
Holiday Setup									✓			✓		
Front Panel Buttons	✓						✓		✓	✓		✓		
Freeze									✓			✓		
Bookmark Search					✓	✓			✓			✓		
Bandwidth Control									✓			✓		
Printer Interface														
On-Live Playback									✓			✓		
Looping Outputs							✓		✓					
Cloud Archiving					✓	✓								
Object Detection														
DVDRW									✓					
Rack Mount	✓		✓				✓		✓	✓				
Wizards	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	
Twitter									✓			✓		
# of HDDs Supported	2	3	1	1	1	1	3	3	3	3	3	2	2	2
# of Audio Channels Supported	16	16		4	1	4	16	16	4	16	16	4	4	4
Optional Camera Power Supply (Wall Mount)		✓				✓								✓
Optional Monitor (Wall Mount)		✓			✓			✓			✓			✓
# of IP Audio Channels Supported	16	16	8	8	4	4	16	4	4					

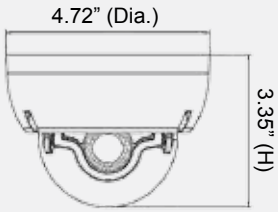
Intensifier® K 1000 TVL Indoor/Outdoor Vandal Resistant Dome with True WDR

HTINT59K 2.8-12mm auto iris varifocal lens, dark grey housing

INT K WDR 1000 TVL

Features

- 1/3" 1.3MP Sony Sensor
- 1000 TV lines highest resolution in analog
- True WDR functionality
- Superior low-light performance
- Amplify existing light with no distance limitation
- Heater circuitry eliminates fog or condensation under any weather condition
- Presets include Indoor, Outdoor, Low Light, Hallway, Lobby (WDR), Elevator
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- 12VDC & 24VAC dual voltage operation
- Relay output for motion detection
- 3-axis wall and ceiling mount
- Vandal / tamper resistant operation
- IP67 compliant
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor ..... 1/3" 1.3MP Sony Sensor
Resolution ..... 1000 TV lines
Minimum Illumination ..... 0.0001 lux
Effective Pixels ..... 1305 (H) x 1049 (V)
Total Pixels ..... 1312 (H) x 1069 (V)
TV System ..... NTSC
Scanning System ..... Progressive
S/N Ratio ..... More than 50dB
Frame rate ..... Max 50P/60P
Video Output ..... 1.0Vp-p / 75 ohms
Lens ..... DC / Manual
Electronic Shutter Speed ..... Auto / Manual (1/60 sec. - 1/60,000 sec.) / Flicker
WDR ..... On (Low / Middle / High) / Off
Digital WDR ..... On (Low / Middle / High) / Off
Day/Night ..... Color / BW / Auto / Ext
White Balance ..... Auto / Auto Ext / AWC – SET / Manual
Brightness ..... 0 - 20 (level adjustable)
AGC ..... 0 - 20 (level adjustable)
Sense-Up ..... (x2 – x32)
Motion Tracking ..... On / Off
Motion Detection ..... On / Off (4 zones)
Privacy ..... On / Off (16 zones)
Mirror / V-Flip ..... On / Off
Sharpness ..... 0 - 15 (level adjustable)
Lens Shading Compensation ..... On / Off
3DNR ..... Off / Low / Middle / High
Defog ..... On (Auto / Manual) / Off
DIS ..... On / Off
Power Supply ..... 12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption ..... 12VDC, 590mA / 24VAC, 230mA
Operating Temperature ..... -4° F – 140° F
Dimensions ..... 4.72" (Dia.) x 3.35" (H)
Weight ..... 2.2 lbs.

Optional Accessories

INTPM
Pendant Mount
(use with 59PLATE and CVCJBD)

INTWM
Wall Mount
(use with 59PLATE and CVCJBD)

CVCJBD
Dome Camera Junction Box
(use with 59PLATE)

59PLATE
Adaptor Plate

PSW4
24VAC
Power Supply

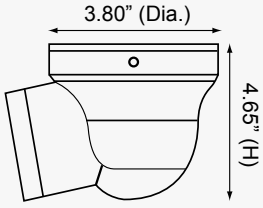
PSW5
12VDC
Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 3/11/15

Intensifier® K 1000 TVL Indoor/ Outdoor Vandal Resistant Dome/ Turret with True WDR

HTINT60K 2.8-12mm auto-iris varifocal lens, dark grey housing

INT K WDR 1000 TVL



Features

- 1/3" 1.3MP Sony Sensor
- 1000 TV lines highest resolution in analog
- True WDR functionality
- Superior low-light performance
- Amplify existing light with no distance limitation
- Heater circuitry eliminates fog or condensation under any weather condition
- Presets include Indoor, Outdoor, Low Light, Hallway, Lobby (WDR), Elevator
- 12VDC & 24VAC dual voltage operation
- Relay output for motion detection
- 3-axis wall and ceiling mount
- Vandal / tamper resistant operation
- IP67 compliant
- 5 year warranty

Specifications

Image Sensor	1/3" 1.3MP Sony Sensor
Resolution	1000 TV lines
Minimum Illumination	0.0001 lux
Effective Pixels	1305 (H) x 1049 (V)
Total Pixels	1312 (H) x 1069 (V)
TV System	NTSC
Scanning System	Progressive
S/N Ratio	More than 50dB
Frame Rate	Max 50P/60P
Video Output	1.0Vp-p / 75 ohms
Lens	DC / Manual
Electronic Shutter Speed	Auto / Manual (1/60 sec. - 1/60,000 sec.) / Flicker
WDR	On (Low / Middle / High) / Off
Digital WDR	On (Low / Middle / High) / Off
Day/Night	Color / BW / Auto / Ext
White Balance	Auto / Auto Ext / AWC – SET / Manual
Brightness	0 - 20 (level adjustable)
AGC	0 - 20 (level adjustable)
Sense-Up	(x2 – x32)
Motion Tracking	On / Off
Motion Detection	On / Off (4 zones)
Privacy	On / Off (16 zones)
Mirror / V-Flip	On / Off
Sharpness	0 - 15 (level adjustable)
Lens Shading Compensation	On / Off
3DNR	Off / Low / Middle / High
Defog	On (Auto / Manual) / Off
DIS	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 570mA / 24VAC, 220mA
Operating Temperature	-4° F – 140° F
Dimensions	3.80" (Dia.) x 4.65" (H)
Weight	4.4 lbs.

Optional Accessories

INTPM
Pendant Mount
(use with 60PLATE and CVCJBD)

INTWM
Wall Mount
(use with 60PLATE and CVCJBD)

CVCJBD
Dome Camera Junction Box
(use with 60PLATE)

60PLATE
Adaptor Plate

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/21/14

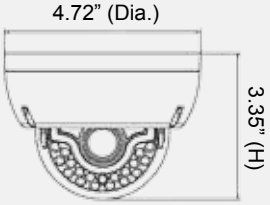
1000 TVL Indoor/Outdoor IR Vandal Resistant Dome with True WDR

HT5940K 2.8-12mm auto iris varifocal lens, dark grey housing

WDR IR 1000 TVL DAY NIGHT

Features

- 1/3" 1.3MP Sony Sensor
- 1000 TV lines highest resolution in analog
- True WDR functionality
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- 12VDC & 24VAC dual voltage operation
- 3-axis wall and ceiling mount
- Vandal / tamper resistant operation
- IP67 compliant
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor	1/3" 1.3MP Sony Sensor
Resolution	1000 TV lines
Minimum Illumination	0 lux (IR LEDs on)
Effective Pixels	1305 (H) x 1049 (V)
Total Pixels	1312 (H) x 1069 (V)
TV System	NTSC
Scanning System	Progressive
Number IR LEDs	18
IR Range	Up to 66 ft. (depending on scene reflection)
IR LED Wavelength	850nm
S/N Ratio	More than 50dB
Frame Rate	Max 50P/60P
Video Output	1.0Vp-p / 75 ohms
Lens	DC / Manual
Electronic Shutter Speed	Auto / Manual (1/60 sec. - 1/60,000 sec.) / Flicker
WDR	On (Low / Middle / High) / Off
Digital WDR	On (Low / Middle / High) / Off
Day/Night	Color / BW / Auto / Ext
White Balance	Auto / Auto Ext / AWC – SET / Manual
Brightness	0 - 20 (level adjustable)
AGC	0 - 20 (level adjustable)
Smart-IR	0 - 20 (level adjustable)
Sense-Up	(x2 – x32)
Motion Tracking	On / Off
Motion Detection	On / Off (4 zones)
Privacy	On / Off (16 zones)
Mirror / V-Flip	On / Off
Sharpness	0 - 15 (level adjustable)
Lens Shading Compensation	On / Off
3DNR	Off / Low / Middle / High
Defog	On (Auto / Manual) / Off
DIS	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 450mA / 24VAC,190mA
Operating Temperature	-4° F – 140° F
Dimensions	4.72" (Dia.) x 3.35" (H)
Weight	2.2 lbs.

Optional Accessories

INTPM
Pendant Mount
(use with 59PLATE and CVCJBD)

INTWM
Wall Mount
(use with 59PLATE and CVCJBD)

CVCJBD
Dome Camera Junction Box
(use with 59PLATE)

59PLATE
Adaptor Plate

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 3/11/15

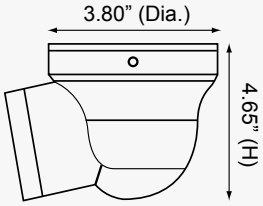
1000 TVL Indoor/Outdoor IR Vandal Resistant Dome/Turret with True WDR

WDR IR 1000 TVL DAY NIGHT

HT6040K 2.8-12mm auto iris varifocal lens, dark grey housing

Features

- 1/3” 1.3MP Sony Sensor
- 1000 TV lines highest resolution in analog
- True WDR functionality
- 12VDC & 24VAC dual voltage operation
- 3-axis wall and ceiling mount
- Vandal / tamper resistant operation
- IP67 compliant
- 5 year warranty



Specifications

Image Sensor ....1/3” 1.3MP Sony Sensor
Resolution....1000 TV lines
Minimum Illumination....0 lux (IR LEDs on)
Effective Pixels ....1305 (H) x 1049 (V)
Total Pixels ....1312 (H) x 1069 (V)
TV System ....NTSC
Scanning System....Progressive
Number IR LEDs 21
IR Range ....Up to 80 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio ....More than 50dB
Frame Rate....Max 50P/60P
Video Output....1.0Vp-p / 75 ohms
Lens....DC / Manual
Electronic Shutter Speed....Auto / Manual
(1/60 sec. - 1/60,000 sec.) / Flicker
WDR....On (Low / Middle / High) / Off
Digital WDR....On (Low / Middle / High) / Off
Day/Night....Color / BW / Auto / Ext
White Balance ....Auto / Auto Ext / AWC - SET / Manual

Brightness....0 - 20 (level adjustable)
AGC....0 - 20 (level adjustable)
Smart-IR ....0 - 20 (level adjustable)
Sense-Up....(x2 - x32)
Motion Tracking ....On / Off
Motion Detection....On / Off (4 zones)
Privacy....On / Off (16 zones)
Mirror / V-Flip ....On / Off
Sharpness ....0 - 15 (level adjustable)
Lens Shading Compensation ....On / Off
3DNR....Off / Low / Middle / High
Defog....On (Auto / Manual) / Off
DIS....On / Off
Power Supply ....12VDC / 24VAC dual voltage operation
(power supply not included)
Power Consumption ....12VDC, 450mA / 24VAC,190mA
Operating Temperature.... -4° F – 140° F
Dimensions....3.80” (Dia) x 4.65” (H)
Weight ....1.99 lbs.

Optional Accessories

INTPM
Pendant Mount
(use with 60PLATE and CVCJBD)

INTWM
Wall Mount
(use with 60PLATE and CVCJBD)

CVCJBD
Dome Camera Junction Box
(use with 60PLATE)

60PLATE
Adaptor Plate

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 9/3/14

Intensifier H® Series Indoor/Outdoor Vandal Resistant Dome Camera

See Color In Almost Complete Darkness Without IR LEDs

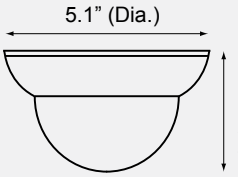
HT7246H 2.8 -12mm auto iris varifocal lens, dark grey housing
HT7247H 9-22mm auto iris varifocal lens, dark grey housing
HT7250H 5-50mm auto iris varifocal lens, dark grey housing

960 H INT H

c UL us LISTED

Features

- 1/3" 960H ExView™ HAD CCD II
- 700 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Heater circuitry eliminates fog or condensation under any weather condition
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Now with presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- 12VDC / 24VAC dual voltage operation
- Full OSD operation
- 3 axis lens mount
- Vandal resistant operation
- Weather resistant operation
- IP66 compliant
- Anti-moisture glass and circuitry eliminates fog or condensation under any weather condition
- Relay outputs for motion detection
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor	1/3" 960H ExView™ HAD CCD II
Resolution	700 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
OSD	Available
DWDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto / Ext
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K - 11,000°K)
Intensify	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 380mA / 24VAC, 170mA
Operating Temperature	-4° F – 140° F
Dimensions	3.46" (H) x 5.1" (Dia.)
Weight	1 lb.

Optional Accessories

INTPM Pendant Mount

CVCJBD Dome Camera Junction Box

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 11/7/14

Intensifier H® Series Miniature Weather/ Vandal/Tamper Resistant Dome Camera

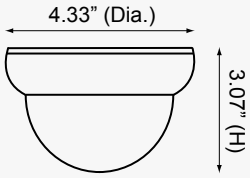
See Color In Almost Complete Darkness Without IR LEDs

HINT13H 3.6mm fixed lens, dark grey housing

960 H INT H

Features

- 1/3" Sony Super HAD™ CCD
- 700 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- Full OSD operation
- Now with presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- Wall or ceiling mount
- 12VDC / 24VAC dual voltage operation
- Vandal resistant operation: can withstand hits from a 10 lb. sledgehammer!
- Tamper resistant operation: tamperproof screws for enhanced security
- Weather resistant operation: good for indoor or outdoor usage
- IP66 compliant
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor	1/3" Sony Super HAD™ CCD
Resolution	700 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. – 1/120,000 sec.
OSD	Available
DWDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Indoor / Outdoor / Manual AWC (1,700°K – 11,000°K)
Intensify	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (8 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 8x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 130mA / 24VAC, 75mA
Operating Temperature	-20˚ F – 122˚ F
Dimensions	3.07" (H) x 4.33" (Dia.)
Weight	1.54 lbs.

Optional Accessories

PSW4
24VAC
Power Supply

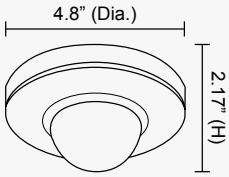
PSW5
12VDC
Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 1/7/14

Intensifier H® Indoor/Outdoor Miniature Dome Camera

HINTMD1H 3.6mm fixed lens, dark grey housing

960 H INT H



Features

- 700 TV lines of resolution
- Amplify existing light with no distance limitations
- See color at night or in low light
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Presets for different lighting scenarios
- 3-axis design, both wall and ceiling mountable
- Digital wide dynamic range
- Full OSD operation
- IP66 compliant
- 12VDC/24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" color 960H CCD
Resolution	700 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
S/N Ratio	52dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Shutter	1/60 sec – 1/120,000 sec
OSD	Yes
Synchronization	Internal
Privacy	On / Off (8 zones)
Motion Detection	On / Off (4 zones)
Mirror	On / Off
DNR	High / Middle / Low / Off
White Balance	ATW / Push / Manual
Image	BLC / HLC / D-WDR / Defog
AGC	Level adjustable (0-20)
TV System	NTSC
Operating Temperature	-4° F – 122° F
Operating Humidity	20% – 80% RH
Power Supply	12VDC, 24VAC (power supply not included)
Power Consumption	2.2W max
Dimensions	4.8" (Dia.) x 2.17" (H)
Weight	12 oz.

Optional Accessories

INTPM*
Pendant Mount

CVCJBD*
Dome Camera Junction Box

INTWM*
Wall Mount

OADP4
Adaptor Plate

PSW4
24VAC Power Supply

PSW5
12VDC Power Supply

* use with OADP4

Speco Technologies is constantly developing and improving products.We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 10/8/14

Intensifier H® Series Indoor/Outdoor Dome/Turret Camera

See Color In Almost Complete Darkness Without IR LEDs

HTINTD8H 2.8 -12mm auto iris varifocal lens, dark grey housing
HTINTD8HW 2.8 -12mm auto iris varifocal lens, white housing

960 H INT H

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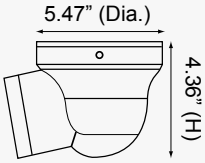


Features

- 1/3" 960H ExView™ HAD CCD II
- 700 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Now with presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- 12VDC / 24VAC dual voltage operation
- Full OSD operation and test monitor output
- 3-axis wall or ceiling mount
- External controls for zoom & focus
- EZ mount system simplifies installation
- Relay outputs for motion detection
- Weather resistant operation
- IP66 compliant
- Anti-moisture glass and circuitry eliminates fog or condensation under any weather condition
- 5 year warranty

Specifications

Image Sensor	1/3" 960H ExView™ HAD CCD II
Resolution	700 TV lines
Minimum Illumination	0.00002 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) / 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
OSD	Available
DWDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto / Ext
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K – 11,000°K)
Intensify	Auto / Off (selectable 2x – 512x)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Consumption	12VDC, 400mA / 24VAC, 170mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature	- 4˚ F – 140˚ F
Dimensions	4.36" (H) x 5.47" (Dia.)
Weight	3.08 lbs.

Optional Accessories

INTPM Pendant Mount

JB03TG Large Round Junction Box

INTWM Wall Mount

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 9/10/14

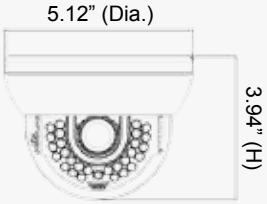
960H Wide Dynamic Range Indoor/Outdoor IR Dome Camera

WDRD10H 2.8-12mm auto iris varifocal lens, dark grey housing

960H WDR IR DAY NIGHT

Features

- True WDR technology allows for improved image quality in scenes consisting of both bright and dark areas
- 1/3" Sony Super HAD™ CCD
- 700 TV lines of resolution
- 28 IR LEDs
- Highest resolution: vivid sharp picture in complete darkness
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- 3DNR (digital noise reduction)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- 3 axis lens mount
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor .....1/3" Sony Super HAD™ CCD (dual scan)
Resolution.....700 TV lines
Minimum Illumination.....0.000006 lux @ F1.2 / IR LED On
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1028 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 28
IR Range .....98 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Color / BW / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x512)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 10,500°K)
Mirror .....H-Rev / V-Rev / Rotate / PIP

Digital Zoom x16
Defect Compensation.....Auto (64 points)
3DNR.....Off / Low / Mid. Low / Mid. High / High
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 500mA / 24VAC, 250mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 80% RH
Dimensions.....5.12" (Dia.) x 3.94" (H)
Weight .....1.98 lbs.

WDR

no WDR

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

INTCM Corner/Pole Adaptor (use with INTWM)

CVCJBD Dome Camera Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/20/14

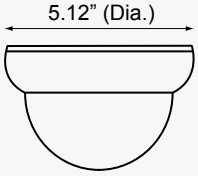
960H Wide Dynamic Range Indoor/Outdoor Vandal Resistant Dome Camera

WDRD11H 2.8-12mm auto iris varifocal lens, dark grey housing

960H WDR DAY NIGHT

Features

- True WDR technology allows for improved image quality in scenes consisting of both bright and dark areas
- 1/3" Sony Super HAD™ CCD
- 700 TV lines of resolution
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- 3DNR (digital noise reduction)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- 3 axis lens mount
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor .....1/3" Sony Super HAD™ CCD (dual scan)
Resolution.....700 TV lines
Minimum Illumination.....0.000006 lux
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1028 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Color / BW / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x512)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 10,500°K)
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x16
Defect Compensation.....Auto (64 points)
3DNR.....Off / Low / Mid. Low / Mid. High / High
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 400mA / 24VAC, 170mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 80% RH
Dimensions.....5.12" (Dia.) x 3.94" (H)
Weight .....1.98 lbs.

WDR

no WDR

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

INTCM Corner/Pole Adaptor (use with INTWM)

CVCJBD Dome Camera Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/17/14

960H 700 TVL Indoor/Outdoor IR Dome Camera

960H IR DAY NIGHT

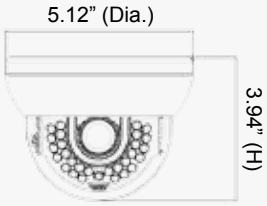
HT670H 4mm fixed lens, dark grey housing

HT671H 2.8-12mm auto iris varifocal lens, dark grey housing

HT672H 5-50mm auto iris varifocal lens, dark grey housing

Features

- 1/3" 960H color CCD
- 700 TV lines of resolution
- 28 IR LEDs
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- Highest resolution: vivid sharp picture in complete darkness
- No noise, ghosting effect with DNR
- 3DNR (digital noise reduction)
- DWDR (digital wide dynamic range)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- De-fog
- 3 axis lens mount
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor .....1/3" 960H color CCD
Resolution.....700 TV lines
Minimum Illumination.....0.01 lux @ F1.2 / IR LED On
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1020 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 28
IR Range .....98 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
DWDR .....Outdoor / Indoor / Off
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Day / Night / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x256)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 11,000°K)
Privacy Masking .....8 zones
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x32
Smart Digital Zoom.....On / Off
De-Fog.....Manual / Auto / Off
Defect Compensation .....Auto (512 points)
3DNR.....1 – 200 level selectable
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 500mA / 24VAC, 250mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Dimensions.....3.94" (H) x 5.12" (Dia.)
Weight .....1.98 lb.

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

INTCM Corner/Pole Adaptor (use with INTWM)

CVCJBD Dome Camera Junction Box

PSW4 24VAC Power Supply

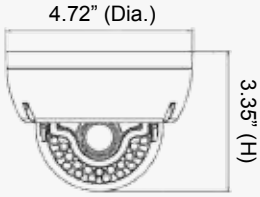
PSW5 12VDC Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 8/25/14

960H 700 TVL Indoor/Outdoor IR Miniature Dome Camera

HT5940H 2.8-12mm auto iris varifocal lens, dark grey housing

960H IR DAY NIGHT



Features

- 1/3" 960H Color CCD
- 700 TV lines of resolution
- 18 IR LEDs
- Highest resolution: vivid sharp picture in complete darkness
- No noise, ghosting effect with DNR
- 3DNR (digital noise reduction)
- DWDR (digital wide dynamic range)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- De-fog
- 3 axis lens mount
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor .....1/3" 960H color CCD
Resolution.....700 TV lines
Minimum Illumination.....0.01 lux @ F1.2 / IR LED On
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1020 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 18
IR Range .....66 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
DWDR .....Outdoor / Indoor / Off
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Day / Night / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x256)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 11,000°K)
Privacy Masking .....8 zones
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x32
Smart Digital Zoom.....On / Off
De-Fog.....Manual / Auto / Off
Defect Compensation.....Auto (512 points)
3DNR.....1 – 200 level selectable
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 400mA / 24VAC, 90mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Dimensions.....3.35" (H) x 4.72" (Dia.)
Weight .....2.20 lbs.

Optional Accessories

INTPM
Pendant Mount
(use with CVCJBD and 59PLATE)

INTWM
Wall Mount
(use with CVCJBD and 59PLATE)

59PLATE
Adaptor Plate
(use with CVCJBD)

CVCJBD
Dome Camera
Junction Box

PSW4
24VAC
Power Supply

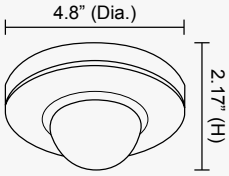
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/21/14

960H Dual Voltage Indoor/Outdoor Miniature Dome Camera with Built-In IR LEDs

HTMD1H 3.6mm fixed lens, dark grey housing

960H IR DAY NIGHT



Features

- 700 TV lines of resolution
- See color at night or in low light
- IR Range: 30' (depending on scene reflection)
- 3-axis design, both wall and ceiling mountable
- Digital wide dynamic range
- Full OSD operation
- IP66 compliant
- 12VDC/24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" color 960H CCD
Resolution	700 TV lines
Minimum Illumination	0 lux with IR on
S/N Ratio	52dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Shutter	1/60 sec – 1/120,000 sec
Number of IR LEDs	12
IR Range	30 ft. (depending on scene reflection)
OSD	Yes
Synchronization	Internal
Privacy	On / Off (8 zones)
Motion Detection	On / Off (4 zones)
Mirror	On / Off
DNR	High / Middle / Low / Off
White Balance	ATW / Push / Manual
Image	BLC / HLC / D-WDR / Defog
AGC	Level adjustable (0-20)
TV System	NTSC
Operating Temperature	-4° F – 122° F
Operating Humidity	20% – 80% RH
Power Supply	12VDC, 24VAC (power supply not included)
Power Consumption	4.2W max
Dimensions	4.8" (Dia.) x 2.17" (H)
Weight	12 oz.

Optional Accessories

INTPM* Pendant Mount

* use with OADP4

CVCJBD* Dome Camera Junction Box

INTWM* Wall Mount

OADP4 Adaptor Plate

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

Speco Technologies is constantly developing and improving products.We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 10/8/14

960H Indoor/Outdoor IR Dome Camera with 10x Optical Motorized Zoom

HTD10XH 3.8-38mm auto iris varifocal lens (10x optical zoom), dark grey housing

960H IR DAY NIGHT

Shown with included paintable, snap-on Chameleon Cover™

Features

- 1/3" Sony ExView™ CCD
- 700 TV lines of resolution
- 28 IR LEDs
- Highest resolution: vivid sharp picture in compete darkness
- Motorized zoom lens control via RS485
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- 3DNR (digital noise reduction)
- DWDR (digital wide dynamic range)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- 3 axis lens mount
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor .....1/3" Sony ExView™ CCD
Resolution.....700 TV lines
Minimum Illumination.....0 lux
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1028 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 28
IR Range .....98 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
Backlight Compensation.....On / Off
Day/Night.....Auto / Color / BW / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x256)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 10,500°K)
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x12
Defect Compensation.....Auto (256 points)
3DNR.....On / Off / Smart
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 700mA / 24VAC, 350mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 80% RH
Dimensions.....5.12" (Dia.) x 3.94" (H)
Weight .....1.98 lbs.

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

INTCM Corner/Pole Adaptor (use with INTWM)

CVCJBD Dome Camera Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

* Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/20/14

Intensifier®3 Series Indoor/Outdoor Vandal Resistant Dome Camera

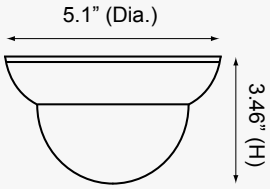
See Color In Almost Complete Darkness Without IR LEDs

HT7246iHR 2.8 -12mm auto iris varifocal lens, dark grey housing
HT7247iHR 9 - 22mm auto iris varifocal lens, dark grey housing
HT7250iHR 5 - 50mm auto iris varifocal lens, dark grey housing

INT 3

Features

- 1/3" Sony Super HAD II™ CCD
- 650 TV lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Heater circuitry eliminates fog or condensation under any weather condition
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- 12VDC / 24VAC dual voltage operation
- Full OSD operation
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- 3 axis lens mount
- Vandal resistant operation
- Weather resistant operation
- IP66 compliant
- Relay outputs for motion detection
- 5 year warranty



Shown with included paintable, snap-on *Chameleon Cover™

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	650 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
TV System	NTSC, PAL
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K - 11,000°K)
Intensifier3®	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 380mA / 24VAC, 170mA
Operating Temperature	-4˚ F – 140˚ F
Dimensions	3.46" (H) x 5.1" (Dia.)
Weight	1 lb.

Optional Accessories

INTPM Pendant Mount

CVCJBD Dome Camera Junction Box

INTWM Wall Mount

DFM Tile Ceiling Flush Mount Accessory

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

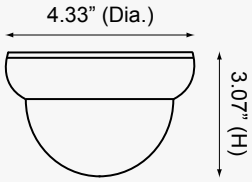
*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 6/28/13

Intensifier®3 Series Miniature Weather/ Vandal/Tamper Resistant Dome Camera

See Color In Almost Complete Darkness Without IR LEDs

HINT13D7G 3.6mm fixed lens, dark grey housing

INT 3



Shown with included paintable, snap-on Chameleon Cover™

Features

- 1/3" Sony Super HAD™ CCD
- 650 TV lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- Full OSD operation
- Now with Presets: Outdoor, Indoor, Elevator, Hallway & Dark
- Wall or ceiling mount
- 12VDC / 24VAC dual voltage operation
- Vandal resistant operation: can withstand hits from a 10 lb. sledgehammer!
- Tamper resistant operation: tamperproof screws for enhanced security
- Weather resistant operation: good for indoor or outdoor usage
- IP66 compliant
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD™ CCD
Resolution	650 TV lines
Minimum Illumination	Shutter: 0.03 lux Intensifier3®: 0.00002 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	Auto / AFLK (1/60 sec. - 1/90,000 sec.)
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Middle / Low / Off
White Balance	ATW1 / ATW2 / ATW set / Manual
Intensifier3®	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (8 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 8x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 130mA / 24VAC, 75mA
Operating Temperature	-20˚ F – 122˚ F
Dimensions	3.07" (H) x 4.33" (Dia.)
Weight	1.54 lbs.

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products.We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 5/28/13

Intensifier®3 Series Weather/Tamper Resistant Focus Free Dome Camera

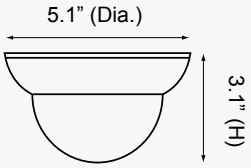
See Color In Almost Complete Darkness Without IR LEDs

HT7248FFi 2.8 - 10mm auto iris focus free motorized zoom lens, dark grey housing

INT 3

Features

- 1/3" Sony Super HAD II™ CCD
- 650 TV lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Heater circuitry eliminates fog or condensation under any weather condition
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- 12VDC / 24VAC dual voltage operation
- Full OSD operation
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- Wall or ceiling mount
- External controls for zoom & focus
- S/N Ratio more than 52dB (weight on)
- Weather resistant operation
- IP66 compliant
- Vandal resistant operation
- EZ mount system simplifies installation
- Relay outputs for motion detection
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	650 TV lines
Minimum Illumination	CDS Off: 0.15 lux / CDS On: 0.00002 lux
Total Pixels	811 (H) x 508 (V)
Effective Pixels	768 (H) x 494 (V)
TV System	NTSC, PAL
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K - 11,000°K)
Intensifier3®	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 380mA / 24VAC, 170mA
RS485	PELCO-D, PELCO-P, BOSCH, HONEYWELL, VICON, PANA, STW (SPD)
Operating Temperature	-4˚ F – 140˚ F
Storage Temperature	-4˚ F – 140˚ F
Dimensions	5.1" (Dia.) x 3.1" (H)
Weight	1 lb.

Optional Accessories

INTPM Pendant Mount

CVCJBD Dome Camera Junction Box

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 6/5/13

Intensifier®3 Series Indoor/Outdoor Dome/Turret Camera

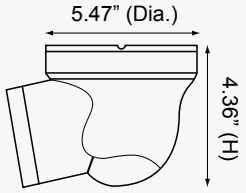
See Color In Almost Complete Darkness Without IR LEDs

HTINTD8	2.8 - 12mm auto iris varifocal lens, dark grey housing
HTINTD8W	2.8 - 12mm auto iris varifocal lens, white housing
HTINTD9	5 - 50mm auto iris varifocal lens, dark grey housing
HTINTD9W	5 - 50mm auto iris varifocal lens, white housing
HTINTD10	9 - 22mm auto iris varifocal lens, dark grey housing
HTINTD10W	9 - 22mm auto iris varifocal lens, white housing

INT 3

Features

- 1/3" Sony Super HAD II™ CCD
- 650 TV lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- 12VDC / 24VAC dual voltage operation
- Full OSD operation and test monitor output
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- 3-axis wall or ceiling mount
- External controls for zoom & focus
- EZ mount system simplifies installation
- Relay outputs for motion detection
- Weather resistant operation
- IP66 compliant
- Anti-moisture glass and circuitry eliminates fog or condensation under any weather condition
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	650 TV lines
Minimum Illumination	0.00002 lux
Total Pixels	811 (H) x 508 (V)
Effective Pixels	768 (H) x 494 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) / 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K – 11,000°K)
Intensifier3®	Auto / Off (selectable 2x – 512x)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Consumption	12VDC, 400mA / 24VAC, 170mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature	- 4˚ F – 140˚ F
Dimensions	4.36" (H) x 5.47" (Dia.)
Weight	3.08 lbs.

Optional Accessories

INTPM
Pendant Mount

JB03TG
Large Round Junction Box

INTWM
Wall Mount

PSW4
24VAC Power Supply

PSW5
12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/21/14

Intensifier®3 Series Weather Resistant Focus Free Dome/Turret Camera

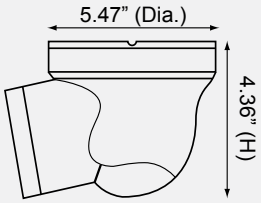
See Color In Almost Complete Darkness Without IR LEDs

HTD8FFi 2.8 - 10mm auto iris focus free motorized zoom lens, dark grey housing

INT 3

Features

- 1/3" Sony Super HAD II™ CCD
- 650 TV lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Full OSD operation
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- 3-axis wall or ceiling mount
- External RS-485 controls for zoom & focus
- S/N Ratio more than 52dB (weight on)
- Weather resistant operation
- EZ mount system simplifies installation
- Relay outputs for motion detection
- IP66 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	650 TV lines
Minimum Illumination	CDS Off: 0.15 lux / CDS On: 0.00002 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 Interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. – 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K - 11,000°K)
Intensifier3®	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 400mA / 24VAC, 170mA
RS485 (Option)	PELCO-D, PELCO-P, BOSCH, HONEYWELL, VICON, PANA, STW (SPD)
Operating Temperature	-4˚ F – 140˚ F
Dimensions	4.36" (H) x 5.47" (Dia.)
Weight	3.08 lbs.

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

JB03TG Large Round Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

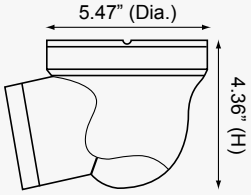
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/21/14

Weather Resistant Dome/Turret Cameras with PIR Sensor & White LEDs

CVC5300DPVF 2.8 - 12mm auto iris varifocal lens, dark grey housing

CVC5300DPVFW 2.8 - 12mm auto iris varifocal lens, white housing

IR PIR DAY NIGHT DIGITAL DETERRENT



Features

- 1/3" Sony Super HAD II™ CCD
- 600 TV lines of resolution
- 0.15 lux, 0.00002 lux (IR LEDs on)
- Digital Deterrent®
- PIR activated white LEDs
- IR range up to 65'
- Digital image stabilization
- Full OSD operation
- 3-axis wall or ceiling mount
- Weather resistant operation
- IP66 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	600 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
Effective Pixels	811 (H) x 508 (V) 768 (H) x 494 (V)
Number of LEDs	24 IR + 6 white LEDs
IR Range	Up To 65' (depending on scene reflection)
IR LED Wavelength	850nm
White Balance	ATW / Outdoor / Indoor / Manual AWC (1,700°K - 11,000°K)
AGC	High / Low / Off
Backlight Compensation	BLC / HLC / Off
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
Sharpness	On / Off (level adjustable)
Privacy Masking	On / Off (12 programmable zones)
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
TV System	NTSC, PAL
Day/Night	Color / BW / Auto
Sense-Up	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Flip / Mirror	On / Off
SSDR	On / Off (level adjustable)
SSNR III	On / Off (level adjustable)
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 250mA (CDS off, PIR off) 600mA (CDS on, PIR on) Heater On Adj: 200-600mA 24VAC, 100mA (CDS off, PIR off), 250mA (CDS on, PIR on) Heater On Adj: 120-250mA
Operating Temperature/ Humidity	-4° F – 140° F / RH 95% max.
Dimensions	4.36" (H) x 5.47" (Dia.)
Weight	3.08 lbs.

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

JB03TG Large Round Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/24/14

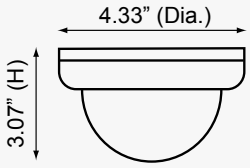
Intense Light Miniature Weather/Vandal/ Tamper Resistant Color Dome Camera

CILT13D1G 2.8 - 12mm auto iris varifocal lens, dark grey housing

CILT13D7G 3.6mm fixed lens, dark grey housing

Features

- 1/3" Sony Super HAD II™ CCD
- 620 TV lines of resolution
- Amplify existing light with no distance limitations
- Minimum illumination 0.00001 lux (intense light @ 256x)
- Day/Night camera without using IR LEDs
- Chameleon Cover™ - snaps on and can be painted to match any décor!*
- 3-axis wall or ceiling mount
- Full OSD operation
- 12VDC / 24VAC dual voltage operation
- Vandal resistant operation: can withstand hits from a 10 lb. sledgehammer!
- Tamper resistant operation: tamperproof screws for enhanced security
- Weather resistant operation: good for indoor or outdoor usage
- IP66 compliant
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	620 TV lines
Minimum Illumination	0.00001 lux (intense light @ 256x)
Total Pixels	811 (H) x 508 (V)
Effective Pixels	768 (H) x 494 (V)
Scanning System	2:1 interlace
Synchronization	Internal
OSD	Available
Backlight Compensation	BLC / HLC / D-WDR
S/N (Y signal)	52dB (AGC Off, weight on)
White Balance	ATW / Manual / Set
Electronic Shutter Speed	Auto: (1/60 sec. - 1/100,000 sec.)
Sense-Up	Off / Auto (selectable limit x2 - x256)
AGC	High / Middle / Low / Off
3DNR	Auto / High / Middle / Low / Off
Motion Detection	On / Off (4 zone)
Privacy	On / Off (8 zone)
Mirror	Off / Mirror / V-Flip / Rotate
Sharpness	0 - 30 (level adjustable)
Day/Night	Color / BW / Auto / Ext
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 150mA / 24VAC, 80mA
Operating Temperature/ Humidity	-4° F – 122° F / RH 90% max.
Dimensions	3.07" (H) x 4.33" (Dia.)
Weight	1.54 lbs.

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

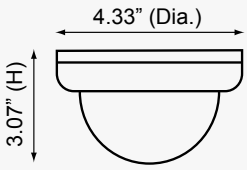
*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 12/9/13

Miniature Weather/Vandal/Tamper Resistant Color Dome Camera

CCLR13D1G 2.8-12mm auto iris varifocal lens, dark grey housing
CCLR13D7G 3.6mm fixed board lens, dark grey housing
CCLR13D8G 6mm fixed board lens, dark grey housing

Features

- 1/3" Sony Super HAD™ CCD
- 600 TV lines of resolution
- 3-way internal wall & ceiling mount
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- Vandal Resistant: able to withstand hits from a 10 lb. sledgehammer
- Tamper Resistant: tamperproof screws for enhanced security
- Weather Resistant: good for indoor or outdoor usage
- 12VDC / 24VAC dual voltage operation
- IP66 compliant
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor	1/3" Sony Super HAD™ CCD
Resolution	600 TV lines
Minimum Illumination	0.1 lux
Total Pixels	537 (H) x 505 (V)
Effective Pixels	510 (H) x 492 (V)
Electronic Shutter Speed	1/60 sec. – 1/100,000 sec.
S/N Ratio	More than 50dB
Video Output	1.0Vp-p / 75 ohms BNC & video test connector
Scanning System	2:1 interlace
Synchronization	Internal
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 130mA / 24VAC, 75mA
Operating Temperature	-20° F – 122° F
Dimensions	3.07" (H) x 4.33" (Dia.)
Weight	1.54 lbs.

Optional Accessories

PSW4
24VAC
Power Supply

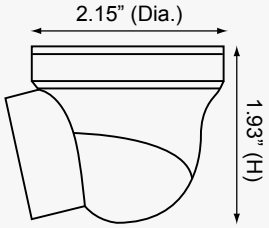
PSW5
12VDC
Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 12/9/13

Intensifier® K 1000 TVL Weather and Vandal Resistant Miniature Turret Camera

HTINT61K 3.6mm fixed lens, black housing
HTINT61KW 3.6mm fixed lens, white housing

INT K 1000 TVL



Features

- 1/3" 1.3MP Sony Sensor
- 1000 TV lines highest resolution in analog
- Superior low-light performance
- Amplify existing light with no distance limitation
- 3-axis wall and ceiling mount
- Weather / Vandal resistant operation
- IP66 compliant
- 5 year warranty

Specifications

Image Sensor	1/3" 1.3MP Sony Sensor
Resolution	1000 TV lines
Minimum Illumination	0.0001 lux
Effective Pixels	1305 (H) x 1049 (V)
Total Pixels	1312 (H) x 1069 (V)
TV System	NTSC
Scanning System	2:1 interlace
S/N Ratio	More than 50dB
Frame rate	Max 50P/60P
Video Output	1.0Vp-p / 75 ohms
Lens	DC
Electronic Shutter Speed	Auto
Day/Night	Color
White Balance	Auto
AGC	Auto
Sense-Up	Auto
Sharpness	Auto
3DNR	Auto
Defog	Auto
Power Supply	12VDC (power supply not included)
Power Consumption	12VDC, 150mA
Operating Temperature	-4° F – 140° F
Dimensions	2.15" (Dia.) x 1.93" (H)
Weight	10.56 oz.

Perfect for use in all vehicles or anywhere that a miniature, aesthetically pleasing, high resolution camera is desired.

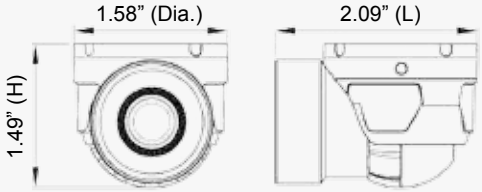
Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 10/27/14

Intensifier H® Weather/Vandal Resistant Miniature Turret Camera

HINT71HG	2.9mm fixed lens, dark grey housing
HINT71HW	2.9mm fixed lens, white housing
HINT72HG	3.6mm fixed lens, dark grey housing
HINT72HW	3.6mm fixed lens, white housing



Features

- 700 TV lines of color resolution
- Amplifies existing light with no distance limitations
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Presets for different lighting scenarios
- Compact size – only 1.58" in diameter!
- Full OSD operation
- Weather / Vandal resistant operation
- Cast aluminum construction
- IP66 compliant
- 12VDC required
- 5 year warranty

Specifications

Image Sensor	1/3" color 960H CCD
Resolution	700 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
S/N Ratio	50dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Shutter	1/60 sec – 1/120,000 sec
OSD	Yes
Scanning System	2:1 Interlaced
Synchronization	Internal
Frequency	15.734kHz (H) / 60Hz (V)
Video Output	1.0Vp-p / 75 ohms
Intensify	Auto / Off (selectable 2x – 512x)
DNR	High / Middle / Low / Off
White Balance	ATW / Push / Manual
Image	BLC / HLC / D-WDR / Defog
AGC	Level adjustable
TV System	NTSC
Operating Temperature	-4°F - 122°F
Power Supply	12VDC (power supply not included)
Power Consumption	150mA
Dimensions	1.58" (Dia.) x 1.49" (H) x 2.09" (L)
Weight	4 oz.

Perfect for use in all vehicles or anywhere that a miniature, aesthetically pleasing, high resolution camera is desired.

Optional Accessory

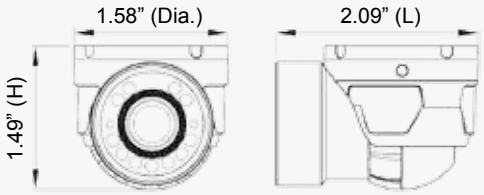
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 8/29/14

960H Weather/Vandal Resistant Miniature Dome/Turret Color Camera

HT71HG 2.9mm fixed lens, dark grey housing
HT71HW 2.9mm fixed lens, white housing
HT72HG 3.6mm fixed lens, dark grey housing
HT72HW 3.6mm fixed lens, white housing

960H IR DAY NIGHT



Features

- 1/3" 960H color CCD
- 700 TV lines of resolution
- Compact size - only 1.58" in diameter!
- 10 IR LEDs
- Weather / Vandal resistant operation
- Cast aluminum construction
- Impressive picture quality
- IP66 compliant
- 12VDC required
- 5 year warranty

Specifications

Image Sensor	1/3" 960H color CCD
Resolution	700 TV lines
Minimum Illumination	0.00 lux (IR LED on)
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020(H) x 508 (V)
Electronic Shutter Speed	Auto (1/60 sec. - 1/120,000 sec.)
Number of IR LEDs	10
IR Range	35 ft. (depending on scene reflection)
IR LED Wavelength	850nm
Scanning System	2:1 interlace
Synchronization	Internal
Frequency	15.734kHz (H) / 60Hz (V)
Video Output	1.0Vp-p / 75 ohms
S/N Ratio	More than 48dB
AGC	Auto
White Balance	Auto
Operating Temperature	14° F – 120° F
Power Supply	12VDC (power supply not included)
Power Consumption	100mA (IR off) / 200mA (IR on)
Dimensions	1.58" (Dia.) x 1.49" (H) x 2.09" (L)
Weight	4 oz.

Perfect for use in all vehicles or anywhere that a miniature, aesthetically pleasing, high resolution camera is desired.

Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/26/14

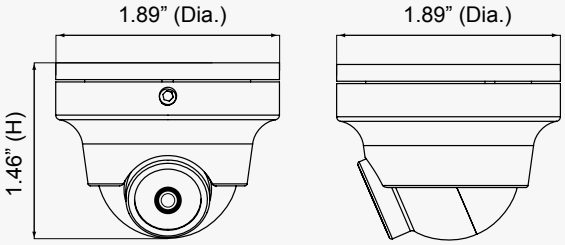
960H Intense Light Weather/Vandal Resistant Miniature Turret Camera

HT61iLHB 3mm fixed lens, black housing
HT61iLHW 3mm fixed lens, white housing
HT66iLHB 2.5mm wide-angle fixed lens, black housing
HT66iLHW 2.5mm wide-angle fixed lens, white housing

960H DAY NIGHT

Features

- 1/3” 960H Color CCD
- 700 TV lines of resolution
- Day/Night camera without using IRs
- Compact size - only 1.89” in diameter!
- Vandal resistant operation
- Cast aluminum construction
- Extreme low light functionality
- IP66 compliant
- 5 year warranty



Specifications

Image Sensor	1/3” 960H Color CCD
Resolution	700 TV lines
Sensitivity	0.00001 lux
Effective Pixels	976 (H) x 494 (V)
Electronic Shutter Speed	Auto (1/50 sec. - 1/5,000 sec.)
Scanning System	2:1 interlace
Synchronization	Internal
Video Output	1.0Vp-p / 75 ohms
S/N Ratio	More than 52dB (AGC Off)
AGC	Auto
White Balance	Auto
Sense-Up	Auto (x32)
Power Supply	12VDC (power supply not included)
Power Consumption	120mA max.
Operating Temperature	-14° F – 120° F
Dimensions	1.46” (H) x 1.89” (Dia.)
Weight	4 oz.

Perfect for use in all vehicles or anywhere that a miniature, aesthetically pleasing, high resolution camera is desired.

Optional Accessories

PSW5
12VDC
Power Supply

CM00TB
Ceiling tile mount, black

CM00TW
Ceiling tile mount, white

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/19/15

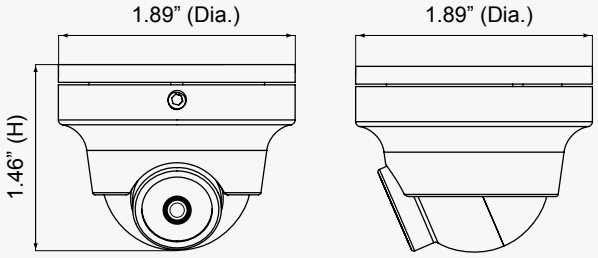
Intense Light Weather/Vandal Resistant Miniature Color Camera

CVC61iLTB 3mm fixed lens, black housing
CVC61iLTW 3mm fixed lens, white housing
CILT00T6B 2.5mm wide-angle fixed lens, black housing
CILT00T6W 2.5mm wide-angle fixed lens, white housing

DAY NIGHT

Features

- 1/3" Sony Super HAD™ CCD
- 600 TV lines of resolution
- Day/Night camera without using IR's
- Compact size - only 1.89" in diameter!
- Vandal resistant operation
- Cast aluminum construction
- Extreme low light functionality
- IP66 compliant
- 5 year warranty



Specifications

Image Sensor ..... 1/3" Sony Super HAD™ CCD
Resolution..... 600 TV lines
Sensitivity ..... 0.00001 lux
Effective Pixels ..... 768 (H) x 494 (V)
Electronic Shutter Speed..... Auto (1/60 sec. - 1/100,000 sec.)
Scanning System..... 2:1 interlace
Synchronization ..... Internal
Video Output..... 1.0Vp-p / 75 ohms
S/N Ratio ..... More than 52dB (AGC Off)
AGC..... Auto
White Balance ..... Auto
Sense-Up..... Auto (x32)
Power Supply ..... 12VDC (power supply not included)
Power Consumption ..... 120mA max.
Operating Temperature..... -14° F – 120° F
Dimensions..... 1.46" (H) x 1.89" (Dia.)
Weight ..... 4 oz.

Perfect for use in all vehicles or anywhere that a miniature, aesthetically pleasing, high resolution camera is desired.

Optional Accessories

PSW5
12VDC
Power Supply

CM00TB
Ceiling tile mount, black

CM00TW
Ceiling tile mount, white

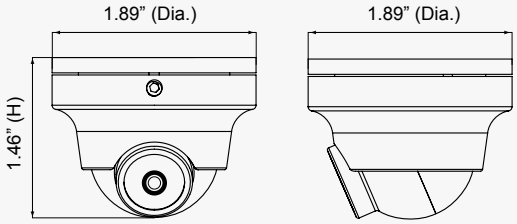
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/5/15

Weather/Vandal Resistant Miniature Color Camera

CVC61HRB 3mm fixed lens, black housing
CVC61HRW 3mm fixed lens, white housing

Features

- 1/3" Sony Super HAD™ CCD
- 540 TV lines of resolution
- Compact size - only 1.89" in diameter!
- Vandal resistant operation
- Cast aluminum construction
- Impressive picture quality
- IP66 compliant
- 12VDC required
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD™ CCD
Resolution	540 TV lines
Minimum Illumination	0.1 lux
Effective Pixels	768 (H) x 594 (V)
Electronic Shutter Speed	Auto (1/60 sec. - 1/120,000 sec.)
Scanning System	2:1 interlace
Synchronization	Internal
Frequency	15.734kHz (H) / 60Hz (V)
Video Output	1.0Vp-p / 75 ohms
S/N Ratio	More than 50dB (AGC Off)
AGC	Auto
White Balance	Auto
Operating Temperature	-14° F – 120° F
Power Supply	12VDC (power supply not included)
Power Consumption	120mA max.
Dimensions	1.46" (H) x 1.89" (Dia.)
Weight	4 oz.

Perfect for use in all vehicles or anywhere that a miniature, aesthetically pleasing, high resolution camera is desired.

Optional Accessories

CM00TB
Ceiling Tile Mount

CM00TW
Ceiling Tile Mount

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/22/15

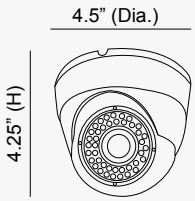
960H IR Indoor/Outdoor Turret Camera

960H IR

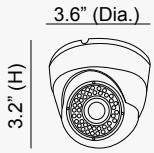
VLEDT1HG 2.8-12mm auto iris varifocal lens, dark grey housing
VLEDT1HW 2.8-12mm auto iris varifocal lens, white housing
VLEDT2HG 3.6mm fixed lens, dark grey housing
VLEDT2HW 3.6mm fixed lens, white housing

Features

- 1/3" 960H CCD
- 0 lux with 36 IR LEDs built-in (VLEDT1HG/VLEDT1HW)
  0 lux with 24 IR LEDs built-in (VLEDT2HG/VLEDT2HW)
- 98' IR range (depending on scene reflection) (VLEDT1HG/VLEDT1HW)
  65' IR range (depending on scene reflection) (VLEDT2HG/VLEDT2HW)
- IP66 compliant
- 2 year warranty



VLEDT1HG/VLEDT1HW



VLEDT2HG/VLEDT2HW

Specifications

Image Sensor ..... 1/3" 960H CCD
Resolution..... 700 TV lines
Minimum Illumination..... 0.01 lux, 0 lux with IR on
Effective Pixels ..... 976 (H) x 494 (V)
Number of IR LEDs VLEDT1HG/VLEDT1HW: 36
VLEDT2HG/VLEDT2HW: 24
IR Range VLEDT1HG/VLEDT1HW:
Up to 98' (depending on scene reflection)
VLEDT2HG/VLEDT2HW:
Up to 65' (depending on scene reflection)
IR LED Wavelength 850nm
IR Status..... IR on: under 10 lux, by CDS auto control
Electronic Shutter ..... Auto (1/60 sec. - 1/100,000 sec.)
S/N Ratio ..... More than 52dB
Backlight Compensation..... Auto
White Balance ..... Auto
AGC..... Auto

Gamma..... 0.45 typ.
Scanning System..... 2:1 interlace
Synchronization..... Internal
Video Signal Output..... 1.0Vp-p / 75 ohms
Operating Temperature..... 14° F – 122° F
Storage Temperature..... -4° F – 140° F
Power Consumption ..... Max. 80mA (IR off)
VLEDT1HG/VLEDT1HW: max. 400mA (IR on)
VLEDT2HG/VLEDT2HW: max. 300mA (IR on)
Power Supply ..... 12VDC (power supply not included)
Dimensions..... VLEDT1HG/VLEDT1HW: 4.25" (H) x 4.5" (Dia.)
VLEDT2HG/VLEDT2HW: 3.2" (H) x 3.6" (Dia.)
Weight ..... VLEDT1HG/VLEDT1HW: 1.2 lbs.
VLEDT2HG/VLEDT2HW: 10.4 oz.

Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 8/25/14

960H Indoor/Outdoor PTZ Speed Dome Camera with 37x/28x Optical Zoom Lens

HTSD37XH 3.5-129.5mm lens, 37x optical zoom with 32x digital zoom, white housing

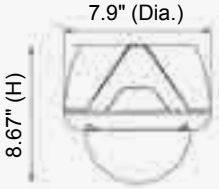
HTSD28XH 3.5-98mm lens, 28x optical zoom with 32x digital zoom, white housing

960H WDR DAY NIGHT

wall mount included

ceiling mount sold separately

7.9" (Dia.)



8.67" (H)

Features

- 700 TV lines of resolution
- 37x optical zoom with 32x digital zoom
- Wide dynamic range (WDR) operation
- True Day/Night operation (IR cut filter)
- 360° endless rotation
- Dual voltage support
- Built-in fan and heater (heater operational starting at 50° F)
- IP66 compliant
- Wall mount included
- 1 year warranty

Camera Specifications

Image Sensor	1/4" Sony Super HAD II™ (Double Scan) CCD
Resolution	700 TV lines
Minimum Illumination	Color: 0.5 lux, BW: 0.2 lux
S/N Ratio	50dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Zoom	37x/28x optical zoom / 32x digital zoom
Focal Length	F1.6-4.5, 3.5-129.5mm (37x) / 3.5-98mm (28x)
Angle of View	(H) 55.5° (wide) – 1.59° (tele) (V) 42.5° (wide) – 1.19° (tele)
White Balance	Automatic, Manual (red, blue gain adjustable)
TV System	NTSC
Day/Night	Auto / Day / Night (ICR)
Focus	Auto / Manual / Semi-Auto
Exposure	Auto / Iris / Shutter / Manual
Light Compensation	WDR / BLC / HLC / Off
DNR	Adjustable
Privacy Zone	8 masks, spherical coordinate
Image Stabilization	On / Off

Mechanical Specifications

Pan Range	360° endless
Tilt Range	90°
Speed	Preset: 500°/sec, Jog: 0.05 - 360°/sec, Swing: 1 - 180°/sec
Presets	209 positions
Patterns	8 patterns (880 commands)
Swings	10 swings

Mechanical Specifications (continued)

Groups	8 groups (max 40 actions of a combination of preset, pattern, and swing)
Schedule	8 schedules
RTC	RTC battery backup time 2 weeks
Communication	RS-485
Protocol	Pelco-D, Pelco-P
Sensor Input	3 inputs, photo-coupler type, DC 5V-12V
Alarm Outputs	1 output, relay output, max load DC 24V 1A / AC 125V 0.5A
Fan	Always on
Heater	Operational at internal temperature of 50°F and above
Operating Temperature	-22° F - 122° F
Power Supply	12VDC, 24VAC (power supply not included)
Power Consumption	12VDC, 1.8A / 24VAC, 1.8A
Dome Size	7.9" (Dia.) x 8.67" (H)
Dimensions	With wall mount 4.7" (W) x 5.5" (H) x 11.8" (L)
Weight	8 lbs.
Included in Package	Main unit, wall mount bracket, accessories, user manual

Material

Dome & Mounts	Polycarbonate
Internal	Polycarbonate, ABS
External	Aluminum

Optional Accessories

CORMT37X Corner Mount

POLMT37X Pole Mount

CLGMT37X Ceiling Mount

KBDPTZ1 Keyboard Controller

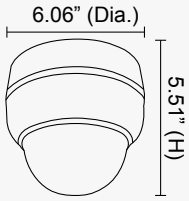
PSDC24 12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 5/27/14

960H 22x Surface Mount Outdoor PTZ Dome Camera

CPTZ29D5W 3.9 - 85.8mm lens, white housing

960H WDR DAY NIGHT



Features

- Max. 352x zoom (22x optical / 16x digital)
- 700 TV lines of resolution
- WDR (wide dynamic range) function
- Day/Night (ICR) function
- 3DNR (digital noise reduction) function
- DIS (digital image stabilization) function
- 240 preset positions
- 4 Alarm Inputs / 1 Alarm Output (5VTTL)
- Variable speed from 0.1° /sec. – 380° /sec.
- 180° digital flip
- IP66 compliant
- 1 year warranty

Camera Specifications

Image Sensor	1/4" Type Sony Super HAD™ CCD
Resolution	700 TV lines
Minimum Illumination	Color: 0.1 lux, BW and Slow Shutter: 0.00001 lux
S/N Ratio	More than 50dB
Video Output	1.0Vp-p / 75 Ohms
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Scanning System	2:1 interlace
Synchronization	Internal / External
Frequency	15.734kHz (H), 59.94Hz (V)
Zoom	22x (optical)
Focal Length	3.9mm (wide) - 85.8mm (tele)
Max. Aperture Ratio	F1.6 (wide) - F3.7 (tele)
Angular Field Of View	3.9mm - 49.5° (H) / 85.8mm - 2.4° (H)
Focus	Auto / Manual / One Push / Constant Manual

Mechanical Specifications

Pan Range	360° Endless
Pan Speed	Preset: 380° /sec, Manual: Max. 380° /sec (turbo)
Tilt Range	0° – 180° (digital flip)
Tilt Speed	Preset: 380° /sec, Manual: Max. 300° /sec (turbo)
Preset Positions	240
Auto Scan	16 Auto Scans & 1 Auto Pan
Tour	8
Pattern	8

Operational Specifications

On Screen Display	English, French, German, Italian, Spanish, Polish, Portuguese

Operational Specifications (continued)

Camera Title	On / Off (6 character)
Day/Night	Auto / Color / BW / Global
Motion Detection	Yes
Wide Dynamic Range	On / Off
Backlight Compensation	BLC / HLC / Off
Digital Image Stabilization	On / Off
Privacy Masking	8
Digital Noise Reduction	3D / 2D
Digital Slow Shutter	On / Off (max. 512x)
White Balance	AWB / WAWB / Indoor / Outdoor / Manual
Electronic Shutter Speed	1/60 sec. – 1/100,000 sec.
Digital Zoom	16x
AGC	Min. / Low / Middle / High
Communication	RS-485
Protocol	Pelco-P, Pelco-D
Alarm	4 Inputs, 1 Output (5VTTL)
Operating Temperature/ Humidity	14° F – 122° F / 0% – 90% RH (non-condensing)
Input Voltage	12VDC / 24VAC
Power Supply	12VDC / 24VAC, dual voltage operation (power supply not included)
Power Consumption	12W
Dimensions	5.51" (H) x 6.06" (Dia.)
Weight	3.3 lbs.

Optional Accessories

WMA29DW Wall Mount

PEN29DW Pendant Arm

PMA29DW Pole Mount Adaptor

POL28DW Pole Mount

APT32DW Adaptor Plate for COR32DW or POL28DW

COR32DW Corner Mount Adaptor

APT29DW Adaptor Plate for COR32DW or POL28DW when using WMA29DW

DFM29DW In-Ceiling Mount

WAC29DW Wall / Ceiling Mount

PSW5 12VDC Power Supply

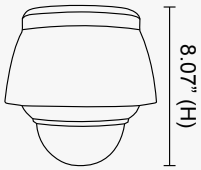
PSW4 24VAC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/17/14

960H 22x All-In-One, Outdoor PTZ Dome Camera

CPTZ32D5W 3.9 - 85.8mm lens, white housing

960H WDR DAY NIGHT



Features

- Max. 352x zoom (22x optical / 16x digital)
- 700 TV lines of resolution
- WDR (wide dynamic range) function
- Day/Night (ICR) function
- 3DNR (digital noise reduction) function
- DIS (digital image stabilization) function
- Includes built-in heater and fan
- Features a sun-shielded housing
- 240 preset positions
- 4 alarm inputs / 1 alarm output (5VTTL)
- Variable speed from 0.1° /sec. – 380° /sec.
- 180° digital flip
- IP66 compliant
- 1 year warranty

Camera Specifications

Image Sensor	1/4" Type Sony Super HAD™ CCD II
Resolution	700 TV lines
Minimum Illumination	Color: 0.1 lux, BW & Slow Shutter: 0.00001 lux
S/N Ratio	More than 50dB
Video Output	1.0Vp-p /75 ohms
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Scanning System	2:1 interlace
Synchronization	Internal / External
Frequency	15.734kHz (H), 59.94Hz (V)
Zoom	22x (optical)
Focal Length	3.9mm (wide) - 85.8mm (tele)
Max. Aperture Ratio	F1.6 (wide) - F3.7 (tele)
Angular Field Of View	3.9mm - 49.5° (H) / 85.8mm - 2.4° (H)
Focus	Auto / Manual / One Push / Constant Manual

Mechanical Specifications

Pan Range	360° endless
Pan Speed	Preset: 380° /sec., Manual: Max. 380° /sec. (turbo)
Tilt Range	0° – 180° (digital flip)
Tilt Speed	Preset: 380° /sec., Manual: Max. 300° /sec. (turbo)
Preset Positions	240
Auto Scan	16 Auto Scans & 1 Auto Pan
Tour	8
Pattern	8

Operational Specifications

On Screen Display	English, French, German, Italian, Spanish, Polish, Portuguese

Operational Specifications (continued)

Camera Title	On / Off (6 character)
Day/Night	Auto / Color / BW / Global
Motion Detection	Yes
Wide Dynamic Range	On / Off
Backlight Compensation	BLC / HLC / Off
Digital Image Stabilization	On / Off
Privacy Masking	8
Digital Noise Reduction	3D / 2D
Digital Slow Shutter	On / Off (max. 512x)
White Balance	AWB / WAWB / Indoor / Outdoor / Manual
Electronic Shutter Speed	1/60 sec. – 1/100,000 sec.
Digital Zoom	16x
AGC	Min. / Low / Middle / High
Communication	RS-485
Protocol	Pelco-P, Pelco-D
Alarm	4 Inputs, 1 Output (5VTTL)
Operating Temperature/ Humidity	-22° F – 122° F / 0% – 90% RH (non-condensing)
Power Supply	12VDC / 24VAC for dome, 24VAC for heater and fan (power supply not included)
Power Consumption	12W for dome, 45W for heater and fan
Dimensions	8.07" (H) x 7.33" (Dia.)
Weight	4.85 lbs.

Optional Accessories

PEN32DW
Pendant Arm

CEI32DW
Ceiling Mount

APT28DW
Adaptor Plate for COR32DW or POL28DW when using PEN32DW

COR32DW
Corner Mount Adaptor

POL28DW
Pole Mount

PSW5
12VDC
Power Supply

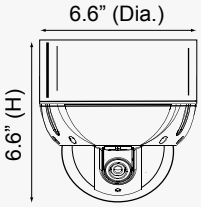
PSW4
24VAC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/14/14

Indoor/Outdoor PTZ Speed Dome Camera with 12x Optical Zoom Lens

HTSD12X 3.6 - 44.3mm 12x optical zoom with 12x digital zoom lens, white housing

DAY NIGHT



Features

- 1/4" Sony Super HAD™ CCD
- 144x zoom mini dome: 12x optical zoom with 12x digital zoom
- 360° endless rotation
- Various surveillance functions
- True Day/Night operation: ICR filter
- Intelligent Pan/Tilt controlling: continually decreases pan and tilt speeds in proportion to zoom
- 1 year warranty

Specifications

Image Sensor	1/4" Sony Super HAD™ CCD
Resolution	More than 560 TV lines (color)
Minimum Illumination	Color mode: 0.008 lux / Night mode: 0.0008 lux
Effective Pixels	768 (H) x 494 (V) 380K
Total Pixels	811 (H) x 508 (V) 410K
Lens Type	Optical: 12x Optical Zoom (F=3.6 to 44.3mm) Digital: 12x (144x with optical)
White Balance	ATW1 / ATW2 / Indoor / Outdoor
S/N Ratio	More than 50dB
Day/Night (ICR)	Auto / Day / Night
Min. Shooting Distance	0.35m (wide) / 0.8m (tele)
OSD Menu	Multiple languages on screen
Digital Slow Shutter	2 / 4 / 8 / 16 / 24 / 32 / 64 / 128 / Off Night mode 0.02 lux (ICR On)
Video Output	VBS: 1.0Vp-p / 75 ohms
Backlight Compensation	On / Off
Flickerless	On / Off
Pan Rotation Angle	360° endless
Pan Speed	Manual:1°- 240°/sec. | Preset: Max. 240°/sec.
Tilt Rotation Angle	0°- 90°
Tilt Speed	Manual: 1°- 240°/sec. | Preset: Max. 240°/sec.
System Accuracy	0.02°
Presets	164 positions with a 16-character label available for each position with different speed steps
Group Tour	Max. 8 programmable group tours (each one consisting of up to 60 pre set steps with different steps)
Auto Scan	Programmable auto scan
Pattern	8 programmable patterns (total 400 seconds)
Privacy Zone	4 privacy zone
Sector	8 selectable sectors with 16 characters
Password Protection	Yes
Alarm Input	4 alarms, Off / NC / NO (with various programmable states)
Alarm Actions	Activate preset, group scanning or patterns
Auto Flip	On / Off
Communication	RS-485
Protocol	Pelco D/P
Power Consumption	12VDC, 800mA / 24VAC, 400mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Construction	Die-cast, anti-vandal dome cover
Certifications	CE, FCC
Motor Type	Stepper motor
Micro Steps	1/4 Step
Storage Temperature	-40° F – 140° F
Operating Temperature	-14° F – 120° F
Dimensions	6.6" (H) x 6.6" (Dia.)
Weight	3.3 lbs.

Optional Accessories

KBDPTZ1
Keyboard Controller

CPSD10X
Corner Pole Mount

WMSD10X
Wall Mount

PSW5
12VDC Power Supply

PSW4
24VAC Power Supply

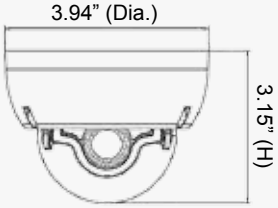
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 3/15/13

Intensifier® K 1000 TVL Indoor Dome Camera

HTINT58K 2.8-12mm auto iris varifocal lens, black housing

HTINT58KW 2.8-12mm auto iris varifocal lens, white housing

INT K 1000 TVL



Features

- 1/3" 1.3MP Sony Sensor
- 1000 TV lines highest resolution in analog
- Superior low-light performance
- Amplify existing light with no distance limitation
- Indoor preset
- 12VDC operation
- 3-axis wall and ceiling mount
- 5 year warranty

Specifications

Image Sensor	1/3" 1.3MP Sony Sensor
Resolution	1000 TV lines
Minimum Illumination	0.0001 lux
Effective Pixels	1305 (H) x 1049 (V)
Total Pixels	1312 (H) x 1069 (V)
TV System	NTSC
Scanning System	2:1 interlace
S/N Ratio	More than 52dB
Frame rate	Max 50P/60P
Video Output	1.0Vp-p / 75 ohms
Lens	DC
Electronic Shutter Speed	Auto
Day/Night	Color
White Balance	Auto
AGC	Auto
Sense-Up	Auto
Sharpness	Auto
3DNR	Auto
Defog	Auto
DIS	On
Power Supply	12VDC operation (power supply not included)
Power Consumption	12VDC, 210mA
Operating Temperature	-4° F – 140° F
Dimensions	3.94" (Dia.) x 3.15" (H)
Weight	1.32 lbs.

Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 10/27/14

Intensifier H® Series Indoor Dome Camera

See Color In Almost Complete Darkness Without IR LEDs

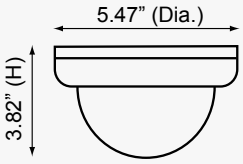
CVC6246H 2.8-12mm auto iris varifocal lens, black housing

CVC6246HW 2.8-12mm auto iris varifocal lens, white housing

960 H INT H

Features

- 1/3" Sony Super HAD™ CCD
- 700 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- With presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- 12VDC / 24VAC dual voltage operation
- Full OSD operation
- 3-axis wall or ceiling mount
- Relay outputs for motion detection
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD™ CCD
Resolution	700 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	50dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
OSD	Available
DWDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto / Ext
AGC	Level adjustable
White Balance	ATW / Push / Manual
Intensify	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (4 programmable zones)
Privacy Masking	On / Off (8 programmable zones)
Speco DNR	High / Med / Low / Off
Sharpness	On / Off (level adjustable)
Mirror	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 150mA / 24VAC, 2W
Operating Temperature	14˚ F – 122˚ F
Storage Temperature	-4˚ F – 140˚ F
Dimensions	3.82" (H) x 5.47" (Dia.)
Weight	1.54 lbs.

Optional Accessories

DFM
Tile Ceiling
Flush Mount

CVCWMTIND
Indoor
Wall Mount

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

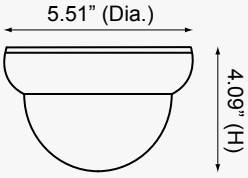
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 11/4/14

960H Wide Dynamic Range Indoor Dome Camera

WDRD21H 2.8-12mm auto iris varifocal lens, dark grey housing

WDRD21HW 2.8-12mm auto iris varifocal lens, white housing

960H WDR DAY NIGHT



Features

- True WDR technology allows for improved image quality in scenes consisting of both bright and dark areas
- 1/3" Sony Super HAD™ CCD
- 700 TV lines of resolution
- 3DNR (digital noise reduction)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- 3 axis lens mount
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor .....1/3" Sony Super HAD™ CCD (dual scan)
Resolution.....700 TV lines
Minimum Illumination.....0.000006 lux
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1028 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
S/N Ratio 48dB
Video Output.....1.0Vp-p / 75 ohms
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Color / BW / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x512)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 10,500°K)
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x16
Defect Compensation.....Auto (64 points)
3DNR.....Off / Low / Mid. Low / Mid. High / High
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 400mA / 24VAC, 170mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 80% RH
Dimensions.....5.51" (Dia.) x 4.09" (H)
Weight .....1.54 lbs.

WDR

no WDR

Optional Accessories

DFM
Tile Ceiling
Flush Mount

CVCWMTIND
Indoor
Wall Mount

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/17/14

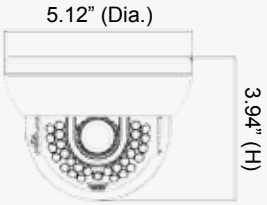
960H Wide Dynamic Range Indoor IR Dome Camera

WDRD20H 2.8-12mm auto iris varifocal lens, black housing

960H WDR IR DAY NIGHT

Features

- True WDR technology allows for improved image quality in scenes consisting of both bright and dark areas
- 1/3" Sony Super HAD™ CCD
- 700 TV lines of resolution
- 28 IR LEDs
- Chameleon Cover™: snaps on and can be painted to match any décor!*
- Highest resolution: vivid sharp picture in complete darkness
- 3DNR (digital noise reduction)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- 3 axis lens mount
- 12VDC / 24VAC dual voltage operation
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor .....1/3" Sony Super HAD™ CCD (dual scan)
Resolution.....700 TV lines
Minimum Illumination.....0.000006 lux @ F1.2 / IR LED On
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1028 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 28
IR Range .....164 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Color / BW / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x512)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 10,500°K)
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x16
Defect Compensation.....Auto (64 points)
3DNR.....Off / Low / Mid. Low / Mid. High / High
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 500mA / 24VAC, 250mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 80% RH
Dimensions.....5.12" (Dia.) x 3.94" (H)
Weight .....1.32 lbs.

WDR

no WDR

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

INTCM Corner/Pole Adaptor (use with INTWM)

CVCJBD Dome Camera Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

*Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/20/14

960H 700 TVL Indoor IR Dome Camera

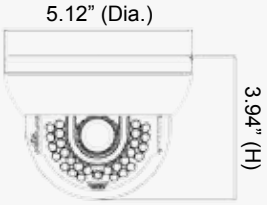
HT648H 4mm fixed lens, black housing

HT649H 2.8-12mm auto iris varifocal lens, black housing

960 H IR DAY NIGHT

Features

- 1/3" 960H color CCD
- 700 TV lines of resolution
- 28 IR LEDs
- Chameleon Cover™: snaps on and can be painted to match any décor!
- Highest resolution: vivid sharp picture in complete darkness
- No noise, ghosting effect with DNR
- 3DNR (digital noise reduction)
- DWDR (digital wide dynamic range)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- De-fog
- 3 axis lens mount
- 12VDC / 24VAC dual voltage operation
- 5 year warranty



Shown with included paintable, snap-on Chameleon Cover™

Specifications

Image Sensor .....1/3" 960H color CCD
Resolution.....700 TV lines
Minimum Illumination.....0.01 lux @ F1.2 / IR LED On
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1020 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 28
IR Range .....164 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
DWDR ..... Indoor / Off
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Day / Night / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x256)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 11,000°K)
Privacy Masking .....8 zones
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x32
Smart Digital Zoom.....On / Off
De-Fog.....Manual / Auto / Off
Defect Compensation.....Auto (512 points)
3DNR.....1 – 200 level selectable
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 500mA / 24VAC, 250mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Dimensions.....3.94" (H) x 5.12" (Dia.)
Weight .....1.32 lbs.

Optional Accessories

INTPM Pendant Mount

INTWM Wall Mount

DFM Tile Ceiling Flush Mount

INTCM Corner/Pole Adaptor (use with INTWM)

CVCJBD Dome Camera Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

* Chameleon Cover™ - for best results when used outdoors, waterproof paint is recommended. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/20/13

960H High Resolution Color Indoor Dome Camera

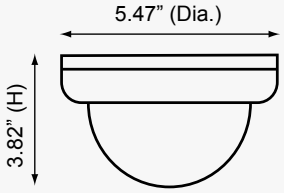
CVC6146H 2.8 - 12mm auto iris varifocal lens, black housing

CVC6146HW 2.8 - 12mm auto iris varifocal lens, white housing

960H DAY NIGHT

Features

- 700 TV lines of resolution
- Amplifies existing light
- Minimum illumination 0.00001 lux (sense-up @ 512x)
- Day/Night camera without using IR LEDs
- 3-axis design, both wall and ceiling mountable
- Full OSD operation
- 12VDC/24VAC dual voltage operation
- 5 year warranty



Specifications

Image Sensor	1/3" color 960H CCD
Resolution	700 TV lines
Minimum Illumination	F1.2, 0.01 lux (0.00001 lux, sense-up @ 512x)
S/N Ratio	50dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Shutter	1/60 sec – 1/120,000 sec
OSD	Yes
Scanning System	2:1 Interlaced
Synchronization	Internal
Privacy	On / Off (8 zones)
Motion Detection	On / Off (4 zones)
DNR	High / Middle / Low
White Balance	ATW / Push / Manual
Image	BLC / HLC / D-WDR / Defog
AGC	Level adjustable
TV System	NTSC
Housing	ABS
Operating Temperature	14° F - 122° F
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 150mA / 24VAC, 2W
Dimensions	3.82" (H) x 5.47" (Dia.)
Weight	1.54 lbs.

Optional Accessories

DFM
Tile Ceiling
Flush Mount

CVCWMTIND
Indoor
Wall Mount

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 9/2/14

Intensifier®3 Series Indoor Dome Cameras

See Color In Almost Complete Darkness Without IR LEDs

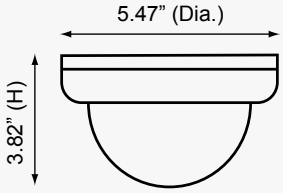
CVC6246iHR 2.8 - 12mm auto iris varifocal lens, black housing

CVC6246iHRW 2.8 - 12mm auto iris varifocal lens, white housing

INT 3

Features

- 1/3" Sony Super HAD II™ CCD
- 650 TV lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- Full OSD operation
- Wall or ceiling mount
- S/N Ratio more than 52dB (weight on)
- EZ mount system simplifies installation
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	650 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K - 11,000°K)
Intensifier3®	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 250mA / 24VAC, 100mA
Operating Temperature	14˚ F – 122˚ F
Storage Temperature	-4˚ F – 140˚ F
Dimensions	3.82" (H) x 5.47" (Dia.)
Weight	1.54 lbs.

Optional Accessories

DFM
Tile Ceiling
Flush Mount

CVCWMTIND
Indoor
Wall Mount

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/25/13

High Resolution Color Indoor Dome Camera

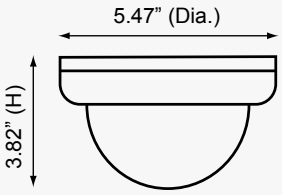
CVC6146SCS 2.8 - 12mm auto iris varifocal lens, black housing

CVC6146SCSW 2.8 - 12mm auto iris varifocal lens, white housing

DAY NIGHT

Features

- BLC - Adjustable sensing area of 100 points on the screen: Adjustment of BLC ratio
- White Balance - ATW, AWB, Fixed (pre-sets) or complete manual control of reds & blues
- Camera Titles - On / Off: Easy user set-up
- Day/Night - Color / BW / Auto
- Mirror Image - To reverse field of view
- Full OSD control of all major camera functions
- Privacy Screens - Easy user set-up and dynamic control for exact settings
- Adjustability of several other camera functions including contrast, sharpness, CB-gain, etc.
- 3-way axis camera
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD II™
Resolution	630 TV lines of resolution (color)
Minimum Illumination	0.00002 lux (sense-up x512)
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 507 (V)
Electronic Shutter Speed	Auto: 1/60 sec. - 1/110,000 sec.
Color	Yes
S/N Ratio	More than 52dB
Signal Output	1.0Vp-p / 75 ohms
Scanning System	2:1 interlaced
Synchronization	Internal
Backlight Compensation	BLC / HSBLC / Off
AGC	High / Middle / Low / Off
Mirror	On / Off / V-Flip / Rotate
DWDR	Off / Indoor / Outdoor
Sense-Up	x2 – x512
Sharpness	0 – 31 (level adjustable)
Freeze	On / Off
3DNR	On / Off (1-100 level adjustable)
TV System	NTSC
Motion Detection	On / Off
Privacy Function	On / Off
White Balance	ATW / AWB / Manual / AWC — Set
OSD	Available
Day/Night	Color / BW / Auto
Operating Temperature/ Humidity	14˚ F – 122˚ F / RH 30% – 80%
Storage Temperature/ Humidity	-4˚ F – 122˚ F / RH 30% – 80%
Power Consumption	120mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Unit Construction Materials	ABS plastic
Dimensions	3.82" (H) x 5.47" (Dia.)
Weight	1.54 lbs.

Optional Accessories

DFM
Tile Ceiling
Flush Mount

CVCWMTIND
Indoor
Wall Mount

PSW4
24VAC
Power Supply

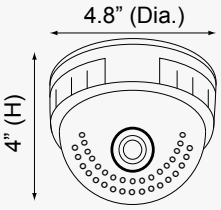
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/28/14

Intense-IR Series Color Day/Night Indoor Dome Cameras

CVC5825DNV 2.8 - 12mm auto iris varifocal lens, black housing

IR DAY NIGHT



Features

- 1/3" Sony Super HAD II™ CCD
- 3DNR (sense-up) - sharp image under ultra low light level
- Intense-IR function - no saturation image, vivid image
- Defect function - elimination of white spots
- HSBLC (High Light Suppression BLC)
- Privacy zone
- ICR - removable IR cut filter
- Convenient On-Screen Display (OSD) function controls
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	600 TV lines
Minimum Illumination	0.000006 lux (IR LEDs on)
Total Pixels	811 (H) x 508 (V)
Effective Pixels	768 (H) x 494 (V)
Number of LEDs	33
IR Range	Up To 65 ft. (depending on scene reflection)
IR LED Wavelength	850nm
White Balance	ATW / AWB / Manual / AWC – Set
AGC	High / Middle / Low / Off
S/N Ratio	52dB (AGC off, weight on)
Backlight Compensation	BLC / HSBLC / Off
Electronic Shutter Speed	Auto (1/50, 1/60 sec. – 1/100,000 sec.)
OSD	Built-In
3DNR	On / Off (0-100 levels adjustable)
DWDR	Indoor / Outdoor / Off
Sharpness	0-31' (level adjustable)
Privacy	On / Off (8 zones)
Scanning System	2:1 interlace
Synchronization	Internal / Line-Lock
Motion Detection	On / Off (4 zones)
Sense-Up	Off / Auto (selectable limit x2 - x256)
Mirror	Off / Mirror / V-Rev / Rotate
Freeze	On / Off
Day/Night	Color / BW / Auto / EXT
Digital Zoom:	On (32x) / Off
Defect Compensation	Auto: 128 points / Manual: 4 points
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 250mA (CDS off) 12VDC, 700mA (CDS on) 24VAC, 100mA (CDS off) 24VAC, 250mA (CDS on)
Operating Temperature/ Humidity	14˚ F – 122˚ F / RH 95% max.
Storage Temperature/ Humidity	-4˚ F – 140˚ F / RH 95% max.
Dimensions	4" (H) x 4.8" (Dia.)
Weight	1.2 lbs.

Optional Accessories

CVCWM
Corner Mount

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/16/15

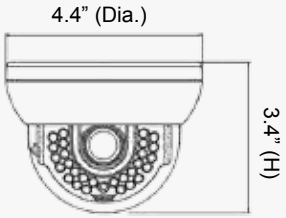
960H Dual Voltage Indoor Dome Camera with Built-In IR LEDs

960H IR DAY NIGHT

HLED33D7B 3.6mm fixed lens, black housing
HLED33D7W 3.6mm fixed lens, white housing
HLED33D1B 2.8-12mm auto iris varifocal lens, black housing
HLED33D1W 2.8-12mm auto iris varifocal lens, white housing

Features

- 700 TV lines of resolution
- IR Range: 65'
- Smart DNR reduces noise in low light
- Smart IR reduces saturation of objects within close proximity to IR LEDs
- 3-axis design, both wall and ceiling mountable
- Digital wide dynamic range
- OSD for camera setting adjustments
- 12VDC/24VAC dual voltage operation
- 5 year warranty



Specifications

Image Sensor	1/3" color 960H CCD
Resolution	700 TV lines
Minimum Illumination	0 lux with IR on
S/N Ratio	50dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Shutter	1/60 sec – 1/120,000 sec
Number of IR LEDs	24
IR Range	65 ft. (depending on scene reflection)
OSD	Yes
Synchronization	Internal
Privacy	On / Off (8 zones)
Motion Detection	On / Off (4 zones)
Mirror	On / Off
DNR	High / Middle / Low / Off
White Balance	ATW / Push / Manual
Image	BLC / HLC / D-WDR / Defog
AGC	Level adjustable (0-20)
TV System	NTSC
Housing	High impact ABS
Operating Temperature	14° F - 122° F
Power Supply	12VDC, 24VAC (power supply not included)
Power Consumption	250mA
Dimensions	4.4" (Dia.) x 3.4" (H)
Weight	8 oz.
Included in Package	Main unit, mounting screws, test monitor lead, DC lead, user manual

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 6/17/14

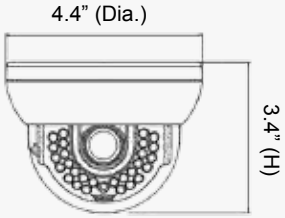
960H Indoor Dome Camera with Built-In IR LEDs

CLED32D7B 3.6mm fixed lens, black housing
CLED32D7W 3.6mm fixed lens, white housing
CLED32D1B 2.8-12mm auto iris varifocal lens, black housing
CLED32D1W 2.8-12mm auto iris varifocal lens, white housing

960 H IR DAY NIGHT

Features

- 700 TV lines of resolution
- IR Range: 65'
- 3-axis design, both wall and ceiling mountable
- 12VDC operation
- 5 year warranty



Specifications

Image Sensor	1/3" color 960H CCD
Resolution	700 TV lines
Minimum Illumination	0 lux with IR on
S/N Ratio	50dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Shutter	1/60 sec. – 1/120,000 sec.
Number of IR LEDs	24
IR Range	65 ft. (depending on scene reflection)
Synchronization	Internal
DNR	Low
White Balance	ATW
TV System	NTSC
Housing	High impact ABS
Operating Temperature	14° F - 122° F
Power Supply	12VDC (power supply not included)
Power Consumption	250mA
Dimensions	4.4" (Dia.) x 3.4" (H)
Weight	8 oz.
Included in Package	Main unit, mounting screws, test monitor lead, DC lead, user manual

Optional Accessory

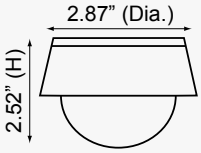
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 6/4/14

960H Diamond Dome™ Series Miniature Indoor Camera

CDD11HW 3.6mm fixed lens, white housing

960 H DIAMOND DOME



Features

- 1/3" Sony Super HAD II™ CCD
- 700 TV lines of resolution
- Unique and stylish housing for attractive indoor installation
- Small form factor for an unobtrusive look
- 3-axis wall or ceiling mount
- Full OSD operation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	700 TV lines
Minimum Illumination	Color: 0.1 lux, BW: 0.01 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1028 (H) x 508 (V)
Scanning System	2:1 interlace
Synchronization	Internal
OSD	Available
Backlight Compensation	BLC / HLC
S/N Ratio	More than 52dB
White Balance	ATW1 / ATW2 / ATW / Manual
Electronic Shutter Speed	Auto (1/60 sec. - 1/100,000 sec.)
2DNR	On / Off
WDR	DWDR
DPC	Auto / Manual / Off
Motion Detection	On / Off (4 zone)
Privacy	On / Off (8 zone)
Mirror	On / Off
Parking Line	Available
Sharpness	0 - 31 (level adjustable)
Day/Night	Auto / Color / BW / Ext
Power Supply	12VDC (power supply not included)
Power Consumption	200mA
Operating Temperature	14˚ F – 122˚ F
Dimensions	2.52" (H) x 2.87" (Dia.)
Weight	4 oz.

Optional Accessory

PSW5
12VDC
Power Supply

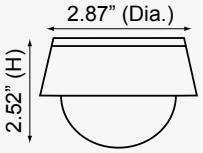
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/20/14

Diamond Dome™ Series Miniature Indoor Camera

CCLR25D7W

3.6mm fixed lens, white housing

DIAMOND DOME



Features

- 600 TV lines of resolution
- Unique and stylish housing for attractive indoor installation
- Small form factor for an unobtrusive look
- 3-axis wall or ceiling mount
- Full OSD operation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony CCD
Resolution	600 TV lines
Minimum Illumination	0.1 lux
Total Pixels	811 (H) x 508 (V)
Effective Pixels	768 (H) x 494 (V)
Scanning System	2:1 interlace
Synchronization	Internal
OSD	Available
Backlight Compensation	BLC / HLC
S/N (Y signal)	52dB (AGC Off)
White Balance	ATW1 / ATW2 / ATW / Manual
Electronic Shutter Speed	Auto (1/60 sec. - 1/100,000 sec.)
2DNR	On / Off
Motion Detection	On / Off (4 zone)
Privacy	On / Off (8 zone)
Mirror	On / Off
Parking Line	Available
Sharpness	0 - 31 (level adjustable)
Day/Night	Auto / Color / BW / Ext
Power Supply	12VDC (power supply not included)
Power Consumption	200mA
Operating Temperature	14˚ F – 122˚ F
Dimensions	2.52" (H) x 2.87" (Dia.)
Weight	4 oz.

Optional Accessory

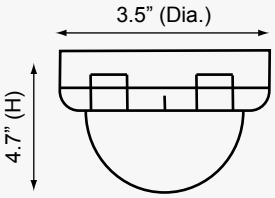
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 12/9/13

960H Color Indoor Dome Camera

VL644H 3.6mm fixed lens, black housing

VL644HW 3.6mm fixed lens, white housing



Features

- 750 TV lines of resolution
- Easy installation & adjustment
- Compact & lightweight 3 axis design
- Manual 360° rotation & pan/tilt mechanism
- Low power consumption - max. 90mA
- 12VDC power supply required (power supply not included)
- Optional lenses available
- 5 year warranty

Specifications

Image Sensor	1/3” High Resolution 960H CCD
Resolution	750 TV lines
Minimum Illumination	0.001 lux @ F=1.2
Effective Pixels	1028 (H) x 508 (V)
Electronic Shutter	Auto (1/60 sec. - 1/100,000 sec.)
S/N Ratio	52dB
Backlight Compensation	Auto
Synchronization	Internal
Gamma	0.45 typ.
Video Signal Output	1.0Vp-p / 75 ohms
Operating Temperature/ Humidity	14˚ F – 122˚ F / less than 80% RH
Storage Temperature	-4˚ F – 140˚ F
Power Consumption	90mA
Power Supply	12VDC (power supply not included)
Dimensions	4.7” (H) x 3.5” (Dia.)
Weight	10.5 oz.

Optional Accessory

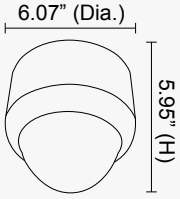
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 12/2/14

960H 22x Surface Mount Indoor PTZ Dome Camera

CPTZ28D5W 3.9 - 85.8mm lens, white housing

960H DAY NIGHT



Features

- 22x optical zoom
- 700 TV lines of resolution
- Day/Night (ICR) function
- DNR (digital noise reduction) function
- 240 preset positions
- 2 Alarm Inputs / 1 Alarm Output (5VTTL)
- Variable Speed from 0.1° /sec. – 380° /sec.
- 90° auto flip
- Surface/flush mount compatibility
- 1 year warranty

Camera Specifications

Image Sensor	1/4" Type ExView HAD™ CCD II
Resolution	700 TV lines
Minimum Illumination	Color: 0.5 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Zoom	22x (optical)
Focal Length	3.9mm (wide) - 85.8mm (tele)
Max. Aperture Ratio	F1.6 (wide) - F3.7 (tele)
Angular Field of View	3.9mm - 49.5° (H) / 85.8mm - 2.4° (H)
Scanning System	2:1 interlace
Synchronization	Internal
Frequency	15.734kHz (H), 59.94Hz (V)
Video Output	1.0Vp-p / 75 ohms
S/N Ratio	More than 50dB
Focus	Auto / Manual / One Push / Constant Manual

Mechanical Specifications

Pan Range	360° endless
Pan Speed	Preset: 380° /sec, Manual: Max. 380° /sec (turbo)
Tilt Range	0° – 90° (auto flip)
Tilt Speed	Preset: 380° /sec, Manual: Max. 300° /sec (turbo)
Preset Positions	240
Auto Scan	16 Auto Scans & 1 Auto Pan
Tour	8
Pattern	8

Operational Specifications

On Screen Display	English, French, German, Italian, Spanish, Polish, Portuguese
Camera Title	On / Off (6 character)
Day/Night	Auto / Color / BW / Global
Motion Detection	Yes
Adaptive Tone Reproduction	On / Off
Backlight Compensation	BLC / HLC / Off
Privacy Masking	8
Digital Noise Reduction	2D
White Balance	AWB / WAWB / Indoor / Outdoor / Manual
Electronic Shutter Speed	1/60 sec. – 1/100,000 sec.
AGC	Min. / Low / Middle / High
Communication	RS-485/422
Protocol	Pelco-P, Pelco-D
Alarm	2 Inputs, 1 Output (5VTTL)
Operating Temperature/ Humidity	32° F – 104° F / 0% – 90% RH (non-condensing)
Input Voltage	12VDC
Power Supply	12VDC (power supply not included)
Power Consumption	8W (650mA)
Dimensions	5.95" (H) x 6.07" (Dia.)
Weight	2.43 lbs.

Optional Accessories

WMA29DW
Wall Mount

PEN29DW
Pendant Arm

PMA29DW
Pole Mount Adaptor

APT29DW
Adaptor Plate for COR32DW or POL28DW when using WMA29DW

APT32DW
Adaptor Plate for COR32DW or POL28DW

COR32DW
Corner Mount Adaptor

POL28DW
Pole Mount

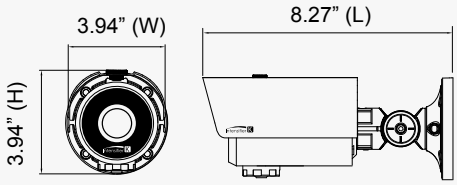
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/17/14

Intensifier® K 1000 TVL Indoor/Outdoor Vandal Resistant Bullet with True WDR

HTINT70K 2.8-12mm auto-iris varifocal lens, dark grey housing

INT K WDR 1000 TVL



Features

- 1/3" 1.3 MP Sony Sensor
- 1000 TV lines the highest resolution in analog
- True WDR functionality
- Superior low-light performance
- Amplify existing light with no distance limitation
- Heater circuitry eliminates fog or condensation under any weather condition
- Presets include Indoor, Outdoor, Low Light, Hallway, Lobby (WDR), Elevator
- 12VDC & 24VAC dual voltage operation
- Relay output for motion detection
- 3-axis wall and ceiling mount
- Vandal / tamper resistant operation
- IP67 compliant
- 5 year warranty

Specifications

Image Sensor	1/3" 1.3MP Sony Sensor
Resolution	1000 TV lines
Minimum Illumination	0.0001 lux
Effective Pixels	1305 (H) x 1049 (V)
Total Pixels	1312 (H) x 1069 (V)
TV System	NTSC
Scanning System	Progressive
S/N Ratio	More than 50dB
Frame Rate	Max 50P/60P
Video Output	1.0Vp-p / 75 ohms
Lens	DC / Manual
Electronic Shutter Speed	Auto / Manual (1/60 sec. - 1/60,000 sec.) / Flicker
WDR	On (Low / Middle / High) / Off
Digital WDR	On (Low / Middle / High) / Off
Day/Night	Color / BW / Auto / Ext
White Balance	Auto / Auto Ext / AWC – SET / Manual
Brightness	0 - 20 (level adjustable)
AGC	0 - 20 (level adjustable)
Sense-Up	(x2 – x32)
Motion Tracking	On / Off
Motion Detection	On / Off (4 zones)
Privacy	On / Off (16 zones)
Mirror / V-Flip	On / Off
Sharpness	0 - 15 (level adjustable)
Lens Shading Compensation	On / Off
3DNR	Off / Low / Middle / High
Defog	On (Auto / Manual) / Off
DIS	On / Off
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 590mA / 24VAC, 230mA
Operating Temperature	-4° F – 140° F
Dimensions	3.94" (W) x 3.94" (H) x 8.27" (L)
Weight	3.09 lbs.

Optional Accessories

INTJBS
Square Junction Box

INTCM
Corner/Pole Adaptor

CVCJBB
Bullet Camera Junction Box

PSW4
24VAC Power Supply

PSW5
12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/4/14

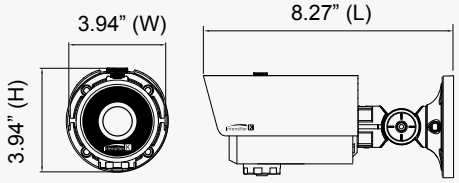
1000 TVL Indoor/Outdoor IR Vandal Resistant Bullet with True WDR

WDR IR 1000 TVL DAY NIGHT

HT7040K 2.8-12mm auto-iris varifocal lens, dark grey housing

Features

- 1/3” 1.3MP Sony Sensor
- 1000 TV lines highest resolution in analog
- True WDR functionality
- 12VDC & 24VAC dual voltage operation
- Vandal / tamper resistant operation
- IP67 compliant
- 5 year warranty



Specifications

Image Sensor ....1/3” 1.3MP Sony Sensor
Resolution....1000 TV lines
Minimum Illumination....0 lux (IR LEDs on)
Effective Pixels ....1305 (H) x 1049 (V)
Total Pixels ....1312 (H) x 1069 (V)
TV System ....NTSC
Scanning System....Progressive
Number IR LEDs 42
IR Range ....Up to 98 ft.
(depending on scene reflection)
IR LED Wavelength 850m
S/N Ratio ....More than 50dB
Frame Rate....Max 50P/60P
Video Output....1.0Vp-p / 75 ohms
Lens....DC / Manual
Electronic Shutter Speed....Auto / Manual
(1/60 sec. - 1/60,000 sec.) / Flicker
WDR....On (Low / Middle / High) / Off
Digital WDR....On (Low / Middle / High) / Off
Day/Night....Color / BW / Auto / Ext
White Balance ....Auto / Auto Ext / AWC – SET / Manual

Brightness....0 - 20 (level adjustable)
AGC....0 - 20 (level adjustable)
Smart-IR ....0 - 20 (level adjustable)
Sense-Up....(x2 – x32)
Motion Tracking ....On / Off
Motion Detection....On / Off (4 zones)
Privacy....On / Off (16 zones)
Mirror / V-Flip ....On / Off
Sharpness ....0 - 15 (level adjustable)
Lens Shading Compensation ....On / Off
3DNR....Off / Low / Middle / High
Defog....On (Auto / Manual) / Off
DIS....On / Off
Power Supply ....12VDC / 24VAC
dual voltage operation
(power supply not included)
Power Consumption ....12VDC, 450mA / 24VAC,190mA
Operating Temperature.... -4° F – 140° F
Dimensions....3.94” (W) x 3.94” (H) x 8.27” (L)
Weight ....3.09” lbs.

Optional Accessories

INTJBS
Square
Junction Box

INTCM
Corner/Pole
Adaptor

CVCJBB
Bullet Camera
Junction Box

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/11/14

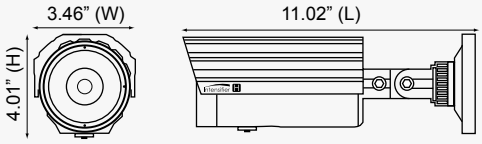
Intensifier H® Series Indoor/Outdoor Bullet Camera

See Color In Almost Complete Darkness Without IR LEDs

HTINTB8H	2.8 - 12mm auto iris varifocal lens, dark grey housing
HTINTB8HW	2.8 - 12mm auto iris varifocal lens, white housing
HTINTB9H	5-50mm auto iris varifocal lens, dark grey housing
HTINTB9HW	5-50mm auto iris varifocal lens, white housing
HTINTB10H	9-22mm auto iris varifocal lens, dark grey housing
HTINTB10HW	9-22mm auto iris varifocal lens, white housing

Features

- 1/3" Sony Super HAD™ CCD
- 700 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Now with presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- 12VDC / 24VAC dual voltage operation
- Full OSD operation
- External controls for zoom & focus
- S/N Ratio more than 52dB (weight on)
- EZ mount system simplifies installation
- Relay outputs for motion detection
- Weather resistant operation
- IP66 compliant
- Anti-moisture glass and circuitry eliminates fog or condensation under any weather condition
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD™ CCD
Resolution	700 TV lines
Minimum Illumination	CDS off: 0.15 lux CDS on: 0.00002 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. – 1/120,000 sec.
OSD	Available
DWDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto / Ext
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K – 11,000°K)
Intensify	Auto / Off (selectable 2x – 512x)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Consumption	12VDC, 400mA / 24VAC, 170mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature	-4˚ F – 140˚ F
Dimensions	3.46" (W) x 4.01" (H) x 11.02" (L)
Weight	3 lbs.

Optional Accessories

INTJBS
Square Junction Box

INTCM
Corner/Pole Adaptor

CVCJBB
Bullet Camera Junction Box

PSW4
24VAC Power Supply

PSW5
12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 11/7/14

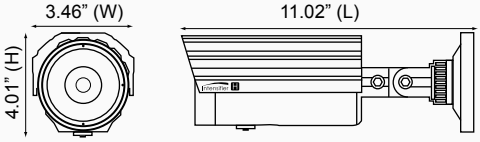
Intensifier H® Series Indoor/Outdoor Bullet Camera with Focus Free Lens

See Color In Almost Complete Darkness Without IR LEDs

HTB11FFiH 2.8 - 10mm auto iris focus free motorized zoom lens, dark grey housing

Features

- 1/3" Sony Super HAD™ CCD
- 700 lines of color resolution
- Amplify existing light with no distance limitations
- External controls for zoom & focus
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Presets for different lighting scenarios: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- 12VDC / 24VAC dual voltage operation
- Full OSD operation
- S/N Ratio more than 52dB (weight on)
- EZ mount system simplifies installation
- Relay outputs for motion detection
- Weather resistant operation
- IP66 compliant
- Anti-moisture glass and circuitry eliminates fog or condensation under any weather condition
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD™ CCD
Resolution	700 TV lines
Minimum Illumination	CDS off: 0.15 lux CDS on: 0.00002 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. – 1/120,000 sec.
OSD	Available
DWDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto / Ext
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K – 11,000°K)
Intensify	Auto / Off (selectable 2x – 512x)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Consumption	12VDC, 400mA / 24VAC, 170mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature	-4˚ F – 140˚ F
Dimensions	3.46" (W) x 4.01" (H) x 11.02" (L)
Weight	3 lbs.

Optional Accessories

INTJBS
Square Junction Box

INTCM
Corner/Pole Adaptor

CVCJBB
Round Junction Box

PSW4
24VAC Power Supply

PSW5
12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 12/29/14

960H Wide Dynamic Range Indoor/Outdoor IR Bullet Camera

WDRB10H 2.8-12mm auto iris varifocal lens, dark grey housing

960H WDR IR DAY NIGHT

Features

- True WDR technology allows for improved image quality in scenes consisting of both bright and dark areas
- 1/3" Sony Super HAD™ CCD
- 700 TV lines of resolution
- 42 IR LEDs
- Highest resolution: vivid sharp picture in complete darkness
- 3DNR (digital noise reduction)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- 3 axis lens mount
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor .....1/3" Sony Super HAD™ CCD (dual scan)
Resolution.....700 TV lines
Minimum Illumination.....0.000006 lux @ F1.2 / IR LED On
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1028 (H) x 508 (V)
TV System .....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 42
IR Range .....98 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Color / BW / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x512)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 10,500°K)
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x16
Defect Compensation.....Auto (64 points)
3DNR.....Off / Low / Mid. Low / Mid. High / High
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 700mA / 24VAC, 350mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 80% RH
Dimensions.....3.94" (W) x 3.94" (H) x 8.27" (L)
Weight .....3.09 lbs.

WDR

no WDR

Optional Accessories

INTCM Corner/Pole Adaptor

INTJBS Square Junction Box

CVCJBB Round Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/13/14

960H Indoor/Outdoor IR Bullet Camera with OSD and Dual Voltage Operation

HT7040H 2.8-12mm auto iris varifocal lens, dark grey housing

HT7042H 5-50mm auto iris varifocal lens, dark grey housing

960H IR DAY NIGHT

Features

- 1/3" 960H color CCD
- 700 TV lines of resolution
- 42 IR LEDs
- Highest resolution: vivid sharp picture in complete darkness
- No noise, ghosting effect with DNR
- 3DNR (digital noise reduction)
- DWDR (digital wide dynamic range)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- De-fog
- 3 axis lens mount
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor .....1/3" 960H color CCD
Resolution.....700 TV lines
Minimum Illumination.....0.01 lux @ F1.2 / IR LED On
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1020 (H) x 508 (V)
TV System .....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 42
IR Range .....98 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
DWDR .....Outdoor / Indoor / Off
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Day / Night / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x256)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 11,000°K)
Privacy Masking .....8 zones
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x32
Smart Digital Zoom.....On / Off
De-Fog.....Manual / Auto / Off
Defect Compensation.....Auto (512 points)
3DNR.....1 - 200 level selectable
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 700mA / 24VAC, 320mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Dimensions.....3.94" (W) x 3.94" (H) x 8.27" (L)
Weight .....3.08 lbs.

Optional Accessories

INTCM
Corner/Pole Adaptor

INTJBS
Square Junction Box

CVCJBB
Round Junction Box

PSW4
24VAC Power Supply

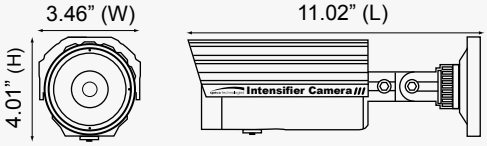
PSW5
12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/18/15

960H Wide Dynamic Range Indoor/Outdoor Bullet Camera

WDRB11H 2.8-12mm auto iris varifocal lens, dark grey housing

960H WDR DAY NIGHT



Features

- True WDR technology allows for improved image quality in scenes consisting of both bright and dark areas
- 1/3" Sony Super HAD™ CCD
- 700 TV lines of resolution
- 3DNR (digital noise reduction)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- 3 axis lens mount
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor .....1/3" Sony Super HAD™ CCD (dual scan)
Resolution.....700 TV lines
Minimum Illumination.....0.000006 lux
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1028 (H) x 508 (V)
TV System .....NTSC
Scanning System.....2:1 interlace
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
Backlight Compensation.....BLC / HLC / Off
Day/Night.....Auto / Color / BW / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x512)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 10,500°K)
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x16
Defect Compensation .....Auto (64 points)
3DNR.....Off / Low / Mid. Low / Mid. High / High
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 400mA / 24VAC, 170mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 80% RH
Dimensions.....3.46" (W) x 4.01" (H) x 11.02" (L)
Weight .....3 lbs.

WDR

no WDR

Optional Accessories

INTCM
Corner/Pole Adaptor

INTJBS
Square Junction Box

CVCJBB
Round Junction Box

PSW4
24VAC Power Supply

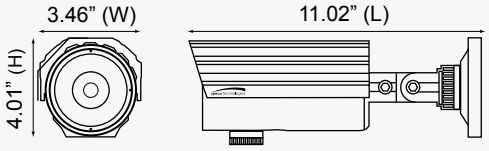
PSW5
12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/17/14

960H Indoor/Outdoor IR Bullet Camera with 10x Optical Motorized Zoom

HTB10XH 3.8-38mm auto iris varifocal lens (10x optical zoom), dark grey housing

960H IR DAY NIGHT



Features

- 1/3" Sony ExView™ CCD
- 700 TV lines of resolution
- 35 IR LEDs
- Highest resolution: vivid sharp picture in compete darkness
- Motorized zoom lens control via RS485
- 3DNR (digital noise reduction)
- DWDR (digital wide dynamic range)
- Smart digital zoom
- Full OSD operation
- Digital image stabilizer
- IP67 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor .....1/3" Sony ExView™ CCD
Resolution.....700 TV lines
Minimum Illumination.....0 lux
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1028 (H) x 508 (V)
TV System.....NTSC
Scanning System.....2:1 interlace
Number of IR LEDs 35
IR Range .....98 ft. (depending on scene reflection)
IR LED Wavelength 850nm
S/N Ratio 52dB
Video Output.....1.0Vp-p / 75 ohms
Backlight Compensation.....On / Off
Day/Night.....Auto / Color / BW / Ext
AGC.....High / Middle / Low
Sense-Up.....Auto / Off (x2 – x256)
White Balance .....ATW / AWB / AWC – Set / Manual (1,800°K – 10,500°K)
Mirror .....H-Rev / V-Rev / Rotate / PIP
Digital Zoom x12
Defect Compensation.....Auto (256 points)
3DNR.....On / Off / Smart
DIS.....On / Off
Power Supply .....12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption .....12VDC, 700mA / 24VAC, 350mA
Storage Temperature/ Humidity.....-4° F – 140° F / 20% – 95% RH
Operating Temperature/ Humidity.....-4° F – 140° F / 20% – 80% RH
Dimensions.....3.46" (W) x 4.01" (H) x 11.02" (L)
Weight .....3 lbs.

Optional Accessories

INTCM Corner/Pole Adaptor

INTJBS Square Junction Box

CVCJBB Round Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

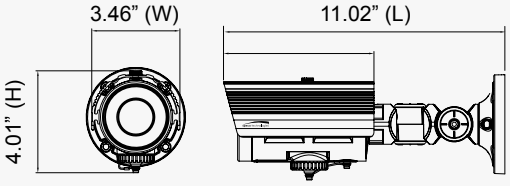
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/16/14

Intensifier®3 Series Indoor/Outdoor Bullet Camera

See Color In Almost Complete Darkness Without IR LEDs

HTINTB8	2.8 - 12mm auto iris varifocal lens, dark grey housing
HTINTB8W	2.8 - 12mm auto iris varifocal lens, white housing
HTINTB9	5 - 50mm auto iris varifocal lens, dark grey housing
HTINTB9W	5 - 50mm auto iris varifocal lens, white housing
HTINTB10	9 - 22mm auto iris varifocal lens, dark grey housing
HTINTB10W	9 - 22mm auto iris varifocal lens, white housing

INT 3



Features

- 1/3" Sony Super HAD II™ CCD
- 650 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Full OSD operation
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- Anti-moisture glass and circuitry eliminates fog or condensation under any weather condition external controls for zoom & focus
- S/N Ratio more than 52dB (weight on)
- EZ mount system simplifies installation
- Relay outputs for motion detection
- Weather resistant operation
- IP66 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	650 TV lines
Minimum Illumination	CDS off: 0.15 lux / CDS on: 0.00002 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. – 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K – 11,000°K)
Intensifier3®	Auto / Off (selectable 2x - 512x)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip/Mirror	On / Off
Power Consumption	12VDC, 400mA / 24VAC, 170mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature	-4˚ F – 140˚ F
Dimensions	3.46" (W) x 4.01" (H) x 11.02" (L)
Weight	3 lbs.

Optional Accessories

CVCJBB
Bullet Camera Junction Box

INTJBS
Square Junction Box

INTCM
Corner/Pole Adaptor

PSW4
24VAC Power Supply

PSW5
12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/22/13

Intensifier®3 Series Weather Resistant Focus Free Bullet Camera

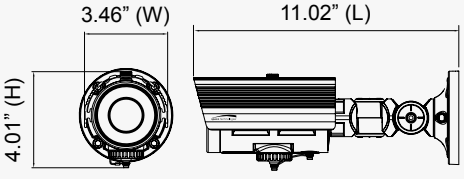
See Color In Almost Complete Darkness Without IR LEDs

HTB11FFi 2.8 - 10mm auto iris focus free motorized zoom lens, dark grey housing

INT 3

Features

- 1/3" Sony Super HAD II™ CCD
- 650 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Full OSD operation
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- External controls for zoom & focus
- S/N Ratio more than 52dB (weight on)
- EZ mount system simplifies installation
- Relay outputs for motion detection
- Weather resistant operation
- IP66 compliant
- 12VDC / 24VAC dual voltage operation
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	650 TV lines
Minimum Illumination	CDS off: 0.15 lux / CDS on: 0.00002 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K - 11,000°K)
Intensifier3®	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip/Mirror	On / Off
Power Consumption	12VDC, 400mA / 24VAC, 170mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
RS485 (Protocols)	PELCO-D, PELCO-P, BOSCH, HONEYWELL, VICON, PANA, STW (SPD)
Operating Temperature	- 4˚ F – 140˚ F
Storage Temperature	- 4˚ F – 140˚ F
Dimensions	3.46" (W) x 4.01" (H) x 11.02" (L)
Weight	3 lbs.

Optional Accessories

INTJBS Square Junction Box

INTCM Corner/Pole Adaptor

CVCJBB Round Junction Box

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

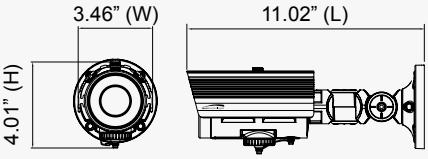
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/12/14

Gläcier™ Series Weather Resistant Intensifier3® Bullet Camera with Mount Plate

See Color In Almost Complete Darkness Without IR LEDs

HTINTB8G	2.8 - 12mm auto iris varifocal lens, dark grey housing
HTINTB8GW	2.8 - 12mm auto iris varifocal lens, white housing
HTINTB10G	9 - 22mm auto iris varifocal lens, dark grey housing
HTINTB10GW	9 - 22mm auto iris varifocal lens, white housing

INT 3



Features

- 1/3" Sony Super HAD II™ CCD
- 650 TV lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Automatic thermostatic sensor
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Full OSD operation
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- -40˚ with Gläcier™ heaters
- External controls for zoom & focus
- EZ mount system simplifies installation
- Weather resistant operation
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	650 TV lines
Minimum Illumination	CDS Off: 0.15 lux / CDS On: 0.00002 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) / 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. – 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K - 11,000°K)
Intensifier3®	Auto / Off (selectable 2x - 512x)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip/Mirror	On / Off
Power Consumption	12VDC, 250mA (heater off) 800mA (heater on) 24VAC, 100mA (heater off) 380mA (heater on)
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature/ Humidity	- 40˚ F – 140˚ F / RH 95% max. - 40˚ F with Gläcier™ heaters
Storage Temperature/ Humidity	- 4˚ F – 140˚ F / RH 95% max.
Dimensions	3.46" (W) x 4.01" (H) x 11.02" (L)
Weight	3 lbs.

Optional Accessories

CVCJBB Round Junction Box

INTJBS Square Junction Box

INTCM Corner/Pole Adaptor

PSW4 24VAC Power Supply

PSDC24 12VDC Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/13/13

Weather Resistant Bullet Cameras with PIR Sensor & White LEDs

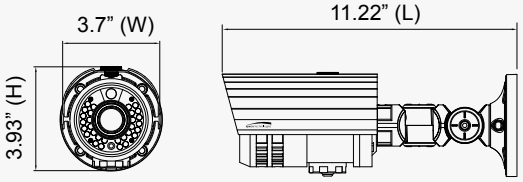
CVC5100BPVF 2.8 - 12mm auto iris varifocal lens, dark grey housing

CVC5100BPVFW 2.8 - 12mm auto iris varifocal lens, white housing

IR PIR DAY NIGHT DIGITAL DETERRENT

Features

- 1/3" Sony Super HAD II™ CCD
- 600 TV lines of resolution
- True Day/Night capability
- Digital Deterrent®: white LEDs are turned on when motion is triggered
- 24 IR LEDs & 6 white LEDs
- Digital image stabilization
- 12VDC / 24VAC dual voltage operation
- 5 year warranty



Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	600 TV lines
Minimum Illumination	CDS off: 0.15 lux CDS on: 0.00002 lux
Effective Pixels	811 (H) x 508 (V) 768 (H) x 494 (V)
Number of LEDs	IR: 24, white: 6
IR Range	Up To 65 ft. (depending on scene reflection)
IR LED Wavelength	850nm
White Balance	ATW / Outdoor / Indoor / Manual AWC (1,700°K - 11,000°K)
AGC	High / Low / Off
Backlight Compensation	BLC / HLC / Off
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
Sharpness	On / Off (level adjustable)
Privacy Masking	On / Off (12 programmable zones)
Scanning Frequency	15.734kHz (H) & 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
TV System	NTSC
Day/Night	Color / BW / Auto
Sense-Up	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (8 programmable zones)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Flip/Mirror	On / Off
SSDR	On / Off (level adjustable)
3DNR	On / Off (level adjustable)
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	12VDC, 250mA (CDS off, PIR off) 600mA (CDS on, PIR on) Heater on adj: 200 - 600mA 24VAC 100mA (CDS off, PIR off), 250mA (CDS on, PIR on) Heater on adj: 120 - 250mA
Operating Temperature/ Humidity	- 4° F – 140° F / RH 95% max.
Storage Temperature/ Humidity	- 4° F – 140° F / RH 95% max.
Dimensions	3.7" (W) x 3.93" (H) x 11.22" (L)
Weight	3.5 lbs.

Optional Accessories

CVCJBB Bullet Camera Junction Box

INTJBS Square Junction Box

INTCM Corner/Pole Adaptor

PSW4 24VAC Power Supply

PSW5 12VDC Power Supply

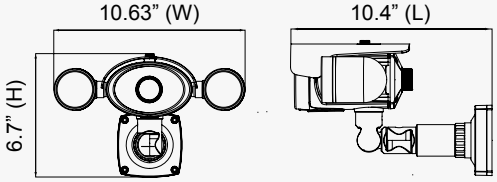
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/25/13

Day/Night Weather Resistant Bullet Cameras with Digital Noise Reduction

HT7048IRVF 2.8 - 12mm auto varifocal lens, dark grey housing

HT7049IRVF 6 - 50mm auto iris varifocal lens, dark grey housing

IR DAY NIGHT



Features

- 1/3" Sony Super HAD™ CCD
- 600 TV lines of resolution
- True Day/Night compatibility
- High performance W-V chip
- Multi-mount is a unique mount allowing installers to manipulate the camera to almost any angle with simplicity
- Zero noise and no ghosting effect with Digital Noise Reduction (DNR)
- External control rings for easy focus and distance adjustment
- Highest resolution: vivid, sharp picture in complete darkness
- Front glass heater: with built-in temperature sensor for immediate removal of condensation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	600 TV Lines
Minimum Illumination	IR LEDs off: 0.15 lux / IR LEDs on: 0.00002 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
Number of IR LEDs	HT7048IRVF – 98 HT7049IRVF – 30 super high powered
IR Range	HT7048IRVF – 131 ft. / HT7049IRVF – 164 ft. (depending on scene reflection)
IR LED Wavelength	850nm
TV System	NTSC
Scanning Frequency	15.734KHz (H) / 59.94Hz (V)
Scanning System	2:1 interlaced
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. - 1/120,000 sec.
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto / EXT
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,700°K - 11.000°K)
Sense-Up	Auto / Fixed / Off (selectable x2 - x256)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip/Mirror	On / Off
Line Heater	Above 122° F Off / Below 122° F On
Power Consumption	12VDC, (CDS off, heater off), 220mA (CDS off, heater on), 300mA (CDS on, heater off), 1000mA (CDS on, heater on), 11000mA Heater on adj: 350 - 1110mA Heater off adj: 250 - 1000mA 24VAC, (CDS off, heater off), 130mA (CDS off, heater on), 150mA (CDS on, heater off), 480mA (CDS on, heater on), 500mA Heater on adj: 170 - 500mA Heater off Adj: 150 - 480mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature/ Humidity	- 4°F – 140°F / RH 95% max.
Storage Temperature/ Humidity	- 4°F – 140°F / RH 95% max.
Dimensions	10.63" (W) x 6.7" (H) x 10.4" (L)
Weight	5.95 lbs.

Optional Accessories

INTJBS
Square Junction Box

INTCM
Corner/Pole Adaptor

PSW4
24VAC Power Supply

PSDC24
12VDC Power Supply

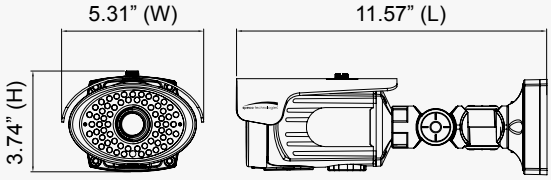
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/22/13

Day/Night Weather Resistant Color Bullet Cameras / 63 IR LEDs

VL7038IRVF 2.8-12mm auto iris varifocal lens, dark grey housing

VL7039IRVF 6-50mm auto iris varifocal lens, dark grey housing

IR DAY NIGHT



Features

- 1/3" Sony Super HAD II™ CCD
- 600 TV lines of resolution
- True Day/Night compatibility
- Multi-mount is a unique mount allowing installers to manipulate the camera to almost every angle with simplicity
- Zero noise and no ghosting effect with digital noise reduction (DNR)
- External control rings for easy focus & distance adjustment
- Highest resolution: vivid, sharp picture in complete darkness
- Front glass heater: with built-in temperature sensor for immediate removal of condensation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	600 TV lines
Minimum Illumination	CDS off 0.15 lux / CDS on 0.00003 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
Number of IR LEDs	63
IR Range	131 ft. (depending on scene reflection)
IR LED Wavelength	850nm
White Balance	ATW / Outdoor / Indoor / Manual AWC (1,700°K - 11,000°K)
AGC	High / Low / Off
S/N Ratio	More than 52dB (AGC off, weight on)
Backlight Compensation	HLC / BLC / Off
Electronic Shutter Speed	1/50, 1/60 sec. - 1/100,000 sec.
OSD	Available
DNR	On / Off (level adjustable)
DWDR	Indoor / Outdoor / Off
Sharpness	0-31' (level adjustable)
Privacy	On / Off (12 zones)
Scanning System	2:1 interlace
Synchronization	Internal
Day/Night	Color / BW / Auto / EXT
Motion Detection	On / Off (8 zones)
Sense-Up	Off / Auto (selectable limit x2 - x256)
Mirror	Off / Mirror / V-Rev / H-Rev / Rotate
Digital Zoom	On (1x - 16x) / Off
Power Consumption	12VDC, 220mA (CDS off) 700mA (CDS on) heater on adj: 220-700mA 24VAC 150mA (CDS off) 450mA (CDS off) heater on adj: 170-450mA
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature/ Humidity	- 4˚F – 140˚F / RH 95% max.
Storage Temperature/ Humidity	- 4˚F – 140˚F / RH 95% max.
Dimensions	5.31" (W) x 3.74" (H) x 11.57" (L)
Weight	4 lbs.

Optional Accessories

INTJBS
Square
Junction Box

INTCM
Corner/Pole
Adaptor

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

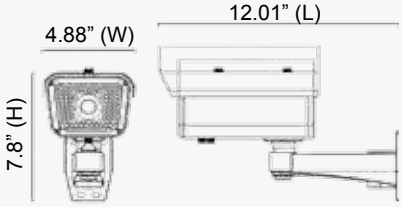
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/22/13

Weather Resistant License Plate Capture Bullet Camera

CLPR66B4B 9-22mm F1.4 auto iris varifocal lens, dark grey housing
IR-corrected lens with external adjustments for zoom & focus

Note: Because of the special nature of this camera, during the day the scene will be monochrome. All license plates will be highlighted.

IR

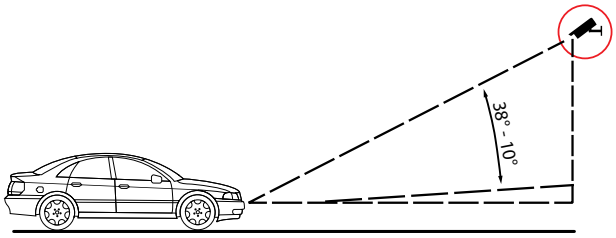


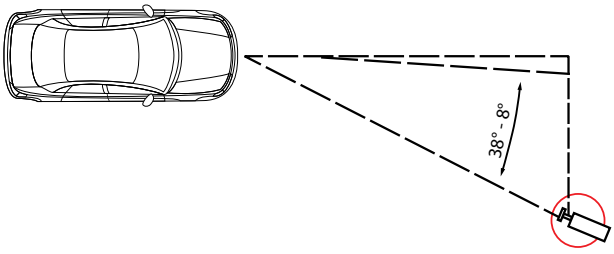
Features

- High-contrast imaging performance that delivers sharp, clear license-plate captures
- 80 IR LEDs work perfectly even in total darkness to deliver clear license plate images
- 9-22mm varifocal IR-corrected lens optimizes day/night performance, even in very low light conditions and captures a wide field
- Captures license plates up to 24 mph
- Weather resistant operation
- IP66 compliant
- 5 year warranty

Specifications

Image Sensor	1/3" 760 CCD
Resolution	550 TV lines
Minimum Illumination	0 lux (with IR LEDs on)
Effective Pixels	811 (H) x 508 (V)
Type	Monochrome
Number of IR LEDs	80 IR LEDs for more than 10,000 hours (140° F)
IR Range	6.6 - 49 ft. (depending on scene reflection)
IR LED Wavelength	850nm
TV System	NTSC
Viewing Angle	Horizontal: 38° (wide) - 8° (tele) Vertical: 38° (wide) - 10° (tele)
S/N Ratio	More than 50db (AGC off)
Video Output	1.0Vp-p / 75 ohms
Scanning System	2:1 interlaced
Power Supply	12VDC (power supply not included)
Power Consumption	200mA
Operating Temperature	-22° F – 140° F
Housing	Compact die cast aluminum sunshield
Dimensions	4.88" (W) x 7.8" (H) x 12.01" (L)
Weight	4.2 lbs.





Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 12/9/13

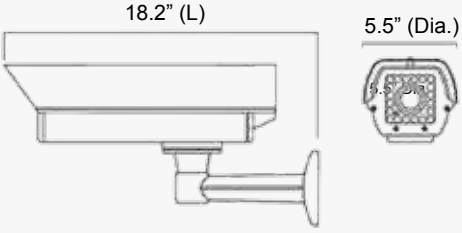
Weather Resistant Long Range License Plate Capture Bullet Camera

IR

CLPR67B4B

10-40mm F1.4 auto iris varifocal lens, black housing
IR-corrected lens with internal adjustments for zoom & focus

Note: Because of the special nature of this camera, during the day the scene will be monochrome. All license plates will be highlighted.

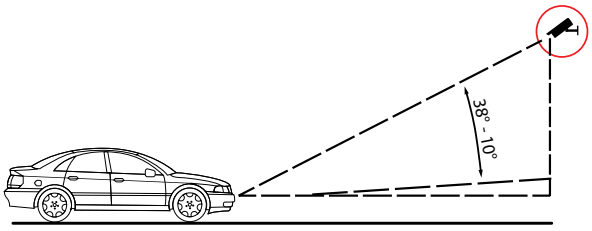


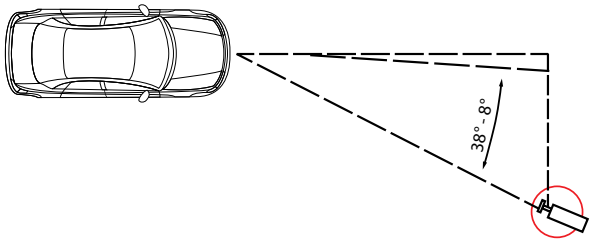
Features

- High-contrast imaging performance that delivers sharp, clear license-plate captures
- 20 super high powered IR LEDs work perfectly even in total darkness to deliver clear license plate images
- 10-40mm varifocal IR-corrected lens optimizes day/night performance, even in very low light conditions and captures a wide field
- Captures license plates at up to 110 mph
- Weather resistant operation
- IP66 compliant
- 5 year warranty

Specifications

Image Sensor	1/3" 760 CCD
Resolution	550 TV lines
Minimum Illumination	0 lux (with IR LEDs on)
Effective Pixels	811 (H) x 508 (V)
Type	Monochrome
Number of IR LEDs	20 high powered IR LEDs for more than 10,000 hours (140° F)
IR Range	16.3 - 98.3 ft. (depending on scene reflection)
IR LED Wavelength	850nm
TV System	NTSC
Viewing Angle	Horizontal: 38° (wide) - 8° (tele) Vertical: 38° (wide) - 10° (tele)
S/N Ratio	More than 50db (AGC off)
Video Output	1.0Vp-p / 75 ohms
Scanning System	2:1 interlaced
Power Supply	12VDC (power supply included)
Power Consumption	1300mA
Operating Temperature	- 22° F – 140° F
Housing	Compact die cast aluminum sunshield
Dimensions	5.5" (Dia.) x 18.2" (L)
Weight	5.5 lbs.





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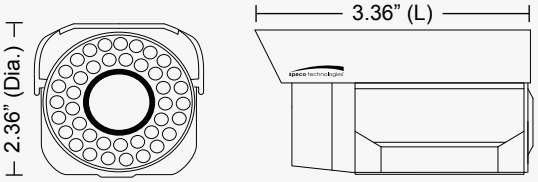
960H Weather Resistant IR Bullet Camera

CVC617H 4.3mm fixed lens, dark grey housing

960 H IR DAY NIGHT



Features

- 1/3" 960H color CCD
- 700 TV lines of resolution
- IR Range: 65' (depending on scene reflection)
- Weather resistant operation
- IP66 compliant
- 12VDC operation
- Mounting bracket included
- 5 year warranty

Specifications

Image Sensor .....1/3" 960H color CCD
Resolution.....700 TV lines
Minimum Illumination.....0.00 lux (IR LED on)
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1020 (H) x 508 (V)
Number of IR LEDs 24
IR Range .....65' (depending on scene reflection)
Scanning System.....2:1 interlaced
Synchronization.....Internal
S/N Ratio 48dB

Video Output.....CVBS: 1.0Vp-p, 75 ohms
Electronic Shutter Speed.....1/60 sec. – 1/100,000 sec.
Backlight Compensation.....Automatic
AGC.....Automatic
Power Consumption .....120mA (IR LED off), 350mA (IR LED on)
Power Supply .....12VDC (power supply not included)
Operating Temperature.....14° F – 120° F
Dimensions.....2.36" (Dia.) x 3.36" (L)
Weight .....12.8 oz.
Included in Package .....Mounting bracket with screws

Optional Accessory

PSW5
12VDC
Power Supply

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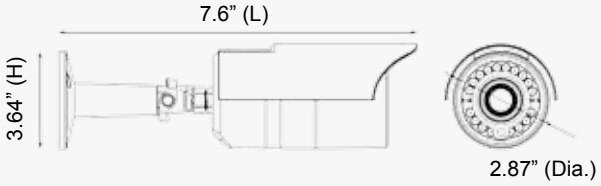
Weather Resistant Color Dual Voltage IR Bullet Camera

VL66 2.8-12mm auto iris varifocal lens, black housing

VL66W 2.8-12mm auto iris varifocal lens, white housing

960 H IR



Features

- 1/3" Sony Super HAD™ II 960H CCD
- 700 TV lines of resolution
- Extreme weather resistant design is perfect for indoor or outdoor use (IP67)
- 90' IR range (depending on scene reflection), with CDS control for great pictures in low light conditions
- Color by day, BW by night - always get the best possible picture
- Mounting bracket included for wall, ceiling or pedestal use
- Weather resistant operation
- IP67 compliant
- Removable and adjustable sunshield
- 5 year warranty

Specifications

Image Sensor .....1/3" Sony Super HAD™ II 960H CCD
Resolution.....700 TV lines
Minimum Illumination.....0 lux with IR on / 0.001 lux IR off
Effective Pixels .....976 (H) x 494 (V)
Number of IR LEDs 18
IR Range .....60 - 90 ft. (depending on scene reflection)
IR LED Wavelength.....850nm
Iris.....Auto
Electronic Shutter Speed.....1/60 sec. – 1/100,000 sec.
Video S/N Ratio.....More than 52dB
Gamma.....0.45 typ.
Video Signal Output.....1.0Vp-p / 75 ohms
Scanning System.....2:1 interlace
Synchronization.....Internal
Backlight Compensation.....Yes
AGC.....Yes
Operating Temperature/
Humidity.....- 4° F - 122° F / 20% - 90% RH
Storage Temperature .....- 14° F - 158° F
Power Consumption .....LED off: 120mA (12V), 90mA (24V)
LED on: 280mA (12V), 220mA (24V)
Power Supply .....12VDC / 24VDC dual voltage operation
(12VDC power supply included)
Housing .....Metal
Dimensions.....7.6" (L) x 3.64" (H) x 2.87" (Dia.)
Weight .....15 oz.
Included in Package .....12VDC power supply

Optional Accessory

PSW4
24VAC
Power Supply

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Weather Resistant Color Camera with Built-In IR LEDs and Sunshield

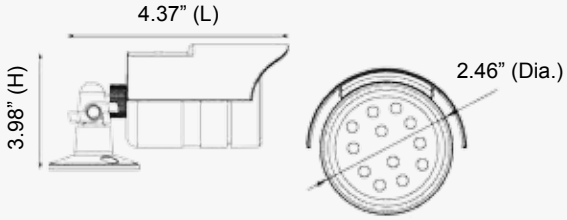
VL62 4mm fixed lens, black housing

VL62W 4mm fixed lens, white housing

960 H IR

Features

- 1/3" Sony Super HAD™ 960H II CCD
- 700 TV lines of resolution
- Color Day/Night camera
- Built-in 4mm lens
- 12 IR LEDs with 60 ft. range (depending on scene reflection)
- Weather resistant operation
- IP67 compliant
- 12VDC power supply included
- 5 year warranty



Specifications

Image Sensor ..... 1/3" Sony Super HAD™ II 960H CCD
Resolution..... 700 TV lines
Minimum Illumination..... 0 lux with IR on / 0.001 lux IR off
Effective Pixels ..... 976 (H) x 494 (V)
Number of IR LEDs 12
IR Range ..... 60 ft. (depending on scene reflection)
IR LED Wavelength 850nm
Electronic Shutter Speed..... 1/60 sec. – 1/1,000,000 sec.
Video S/N Ratio ..... More than 52dB
Gamma..... 0.45 typ.
Video Signal Output..... 1.0Vp-p / 75 ohms
Scanning System..... 2:1 Interlace

Synchronization..... Internal
Backlight Compensation..... Yes
AGC..... Yes
Operating Temperature/
Humidity..... -4° F - 122° F / 20% - 90% RH
Storage Temperature..... -13° F - 158° F
Power Consumption ..... LED off (90mA) / LED on (160mA)
Power Supply ..... 12VDC (power supply included)
Housing ..... Metal
Dimensions..... 4.37" (L) x 3.98" (H) x 2.46" (Dia.)
Weight ..... 8.8 oz.
Included in Package ..... 12VDC power supply

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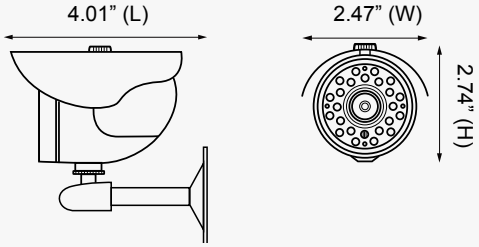
960H Waterproof Color Marine Camera

CVC627MH 3.6mm fixed lens, white housing

960H IR



Features

- 700 TV lines of resolution
- Waterproof (IP67 compliant)
- Great for marine applications
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3” color 960H CCD
Resolution	700 TV lines
Minimum Illumination	0 lux (IR LEDs on)
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Number of IR LEDs	24
IR Range	65 ft. (depending on scene reflection)
Electronic Shutter	1/60 sec – 1/100,000 sec
S/N Ratio	More than 48dB
Synchronization	Internal
Scanning System	2:1 Interlaced
Video Output	1Vp-p / 75 ohms
TV System	NTSC
Operating Temperature	14° F – 120° F
Power Supply	12VDC / 24VAC (power supply not included)
Power Consumption	380mA (12VDC) / 300mA (24VAC)
Dimensions	2.47” (W) x 2.74” (H) x 4.01” (L)
Weight	12 oz.
Cable	10’ of power/video cable included
Included in Package	Main unit, mounting screws, mounting bracket

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

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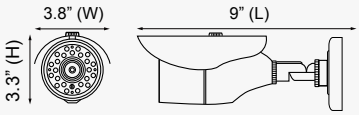
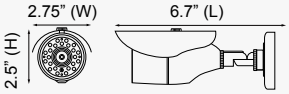
960H IR Indoor/Outdoor Bullet Camera

VLEDB1HG 2.8-12mm auto iris varifocal lens, dark grey housing
VLEDB1HW 2.8-12mm auto iris varifocal lens, white housing
VLEDB2HG 3.6mm fixed lens, dark grey housing
VLEDB2HW 3.6mm fixed lens, white housing

960 H IR



VLEDB1HG/VLEDB1HW



VLEDB2HG/VLEDB2HW

Features

- 1/3" 960H CCD
- 0 lux with 36 IR LEDs built-in (VLEDB1HG/VLEDB1HW)
  0 lux with 24 IR LEDs built-in (VLEDB2HG/VLEDB2HW)
- 98' IR range (depending on scene reflection) (VLEDB1HG/VLEDB1HW)
  65' IR range (depending on scene reflection) (VLEDB2HG/VLEDB2HW)
- IP66 compliant
- 2 year warranty

Specifications

Image Sensor ..... 1/3" 960H CCD
Resolution..... 700 TV lines
Minimum Illumination..... 0.01 lux, 0 lux with IR on
Effective Pixels ..... 976 (H) x 494 (V)
Number of LEDs..... VLEDB1HG/VLEDB1HW: 36
VLEDB2HG/VLEDB2HW: 24
IR Range VLEDB1HG/VLEDB1HW:
Up to 98' (depending on scene reflection)
VLEDB2HG/VLEDB2HW:
..... Up to 65' (depending on scene reflection)
IR LED Wavelength 850nm
IR Status..... IR on: under 10 lux, by CDS auto control
Electronic Shutter ..... Auto (1/60 sec. - 1/100,000 sec.)
S/N Ratio ..... More than 52dB
Backlight Compensation.. Auto
White Balance ..... Auto

AGC..... Auto
Gamma..... 0.45 typ.
Scanning System..... 2:1 interlace
Synchronization ..... Internal
Video Signal Output..... 1.0Vp-p / 75 ohms
Operating Temperature.... 14˚ F – 122˚ F
Storage Temperature..... -4° F – 140° F
Power Consumption ..... Max. 80mA (IR off)
VLEDB1HG/VLEDB1HW: max. 400mA (IR on)
VLEDB2HG/VLEDB2HW: max. 300mA (IR on)
Power Supply ..... 12VDC (power supply not included)
Dimensions..... VLEDB1HG/VLEDB1HW: 3.8 (W) x 3.3 (H) x 9 (L)
VLEDB2HG/VLEDB2HW: 2.75" (W) x 2.5" (H) x 6.7" (L)
Weight ..... VLEDB1HG/VLEDB1HW: 1.2 lbs.
VLEDB2HG/VLEDB2HW: 14 oz.

Optional Accessory

PSW5
12VDC
Power Supply

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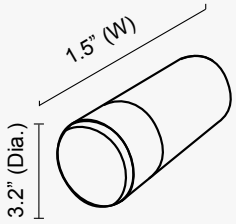
960H Ultra Wide Angle Color Bullet Camera

CVC638170 2.2mm lens, 170º angle of view, black housing



Features

- 170° field of view allows you to see small areas like elevators, vestibules, and counting rooms without any loss of coverage.
- The ultra-wide angle lens will fully view these small spaces when properly installed and positioned
- 1/3" Sony Super HAD II™ color CCD
- 700 TV lines of resolution
- Miniature mounting bracket included
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ color CCD
Resolution	700 TV lines
Minimum Illumination	0.001 lux (sense-up on)
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Electronic Shutter	Auto 1/60 sec. – 100,000 sec.
Scanning Frequency	15.75kHz (H) / 60Hz (V)
Scanning System	2:1 interlace
S/N Ratio	More than 52dB
Video Output	1.0Vp-p / 75 ohms
Power Consumption	115mA
Power Supply	12VDC (UL & CSA listed power supply included)
Operating Temperature/ Humidity	14° F – 122° F / within 95% RH
Dimensions	1.5" (W) x 3.2" (Dia.)
Weight	6.53 oz.

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Intensifier H® Miniature Bullet Camera

HINT637H 3.6mm fixed lens, dark grey housing

HINT637HW 3.6mm fixed lens, white housing

Features

- 700 TV lines of resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Presets for different lighting scenarios
- Digital wide dynamic range
- Compact and lightweight for discreet installations
- Weather resistant operation
- Full OSD operation
- 5 year warranty

Specifications

Image Sensor	1/3" color 960H CCD
Resolution	700 TV lines
Minimum Illumination	0.01 lux, F1.2 (0.00002 lux, Intensify @ 512x)
S/N Ratio	50dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Electronic Shutter	1/60 sec – 1/120,000 sec
OSD	Available
Scanning System	2:1 Interlaced
Synchronization	Internal
Frequency	15.734kHz (H) / 60Hz (V)
Video Output	1.0Vp-p / 75 ohms
Intensify	Auto / Off (selectable 2x – 512x)
DNR	High / Middle / Low / Off
White Balance	ATW / Push / Manual
Image	BLC / HLC / D-WDR / Defog
AGC	Level adjustable
TV System	NTSC
Operating Temperature	-4°F – 122°F
Power Supply	12VDC (power supply not included)
Power Consumption	150mA
Dimensions	1.13" (Dia.) x 2.5" (L)
Weight	4 oz.

Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products.We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 12/23/14

960H Miniature Bullet Camera with IR LEDs

HT637H 3.6mm fixed lens, dark grey housing

HT637HW 3.6mm fixed lens, white housing

960 H IR

Features

- 700 TV lines of resolution
- Built-in IR LEDs
- Compact and lightweight for discreet installations
- Weather resistant operation
- 5 year warranty

Specifications

Image Sensor ..... 1/3" color 960H CCD
Resolution..... 700 TV lines
Minimum Illumination..... 0 lux (IR LEDs on)
Number of IR LEDs 10
IR Range ..... 35 ft. (depending on scene reflection)
S/N Ratio ..... More than 48dB
Effective Pixels ..... 976 (H) x 494 (V)
Total Pixels ..... 1020 (H) x 508 (V)
Electronic Shutter ..... 1/60 sec – 1/100,000 sec
Scanning System..... 2:1 Interlaced
Synchronization ..... Internal
Video Output..... 1.0Vp-p / 75 ohms
TV System ..... NTSC
Operating Temperature.. 14°F – 122°F
Power Supply ..... 12VDC (power supply not included)
Power Consumption 200mA
Dimensions..... 1.27" (Dia.) x 2.5" (L)
Weight ..... 5 oz.

Optional Accessory

PSW5
12VDC
Power Supply

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960H Miniature Bullet Camera

CVC637H 3.6mm fixed lens, dark grey housing

CVC637HW 3.6mm fixed lens, white housing

Features

- 700 TV lines of resolution
- Compact and lightweight for discreet installations
- Weather resistant operation
- 5 year warranty

Specifications

Image Sensor	1/3" color 960H CCD
Resolution	700 TV lines
Minimum Illumination	0.1 lux
S/N Ratio	More than 48dB
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Electronic Shutter	1/60 sec – 1/100,000 sec
Scanning System	2:1 Interlaced
Synchronization	Internal
Video Output	1.0Vp-p / 75 ohms
TV System	NTSC
Operating Temperature	14°F – 122°F
Power Supply	12VDC (power supply not included)
Power Consumption	120mA
Dimensions	1.13" (Dia.) x 2.5" (L)
Weight	4 oz.

Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 12/29/14

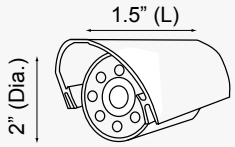
Waterproof BW Camera with 8 IR LEDs & 60 Ft. Cable

IR

CVC320WP 3.6mm wide angle lens, black housing
CVC320WPW 3.6mm wide angle lens, white housing

Features

- Completely waterproof with underwater operation capabilities to a maximum depth of 90'
- Nitrogen filled housing protects internal components
- Available in black or white housings (60' cable included with black model and 3' cable included with white model)
- Clip-on sunshield and mounting bracket included
- RoHS compliant
- 5 year warranty



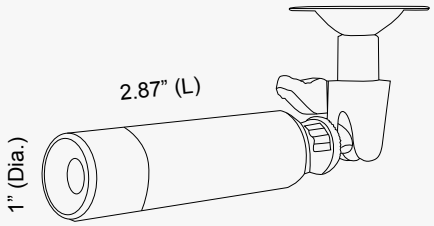
Specifications

Image Sensor ..... 1/3" BW CCD
Resolution..... 420 TV lines
Minimum Illumination..... 0.02 lux IR LEDs off, 0 lux IR LEDs on
Effective Pixels ..... 512 (H) x 492 (V)
Number of IR LEDs 8
IR Range ..... 33 ft. (depending on scene reflection)
IR LED Wavelength 850nm
Electronic Shutter Speed..... Auto: 1/60 sec. - 1/100,000 sec.
Synchronization ..... Internal
Interlace 2:1
S/N Ratio ..... More than 48dB
Video Output Level ..... 1.0Vp-p / 75 ohms
Scanning Frequency ..... 15.75kHz (H) / 60Hz (V)
Scanning System ..... EIA standard 525 TV lines 60 fields/sec.
Outputs/Connections ..... BNC - video, Power - DC jack
Power Consumption 200mA
Power Requirements..... 12VDC
(UL & CSA listed power supply included)
Operating Temperature/
Humidity..... -20° F – 120° F / within 95% RH
Dimensions..... 2" (Dia.) x 1.5" (L)
Weight ..... 7.4 oz.
Housing ..... Brass
Cable ..... 60' of power/video cable (CVC320WP)
3' of power/video cable (CVC320WPW)

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/12/14

Weather Resistant Miniature Bullet Camera with OSD Control

CVC130H 3.6mm wide angle lens, black housing



Features

- 1/3" Sony 960H CCD
- Day/Night - select color, BW or auto
- Mounting bracket included
- Weather resistant operation
- OSD control of all major camera functions
- IP66 compliant
- DWDR control
- Mirror function
- 5 year warranty

Specifications

Image Sensor	1/3" Sony 960H CCD
Resolution	700 TV lines
Minimum Illumination	0.0001 lux
Effective Pixels	976 (H) x 494 (V)
Scanning System	2:1 interlace
Synchronization	Internal
Video Output	1.0Vp-p / 75 ohms
S/N Ratio	More than 48dB
Electronic Shutter Speed	Auto: 1/60 sec. - 1/100,000 sec.
Scanning Frequency	15.75kHz (H) / 60Hz (V)
Outputs/Connections	BNC - video output, power - DC jack
DWDR	Off / Indoor / Outdoor
Backlight Compensation	Off / BLC / HLC
Mirror	H-Rev / V-Rev / Rotate
Privacy Function	On / Off (8 zone)
White Balance	ATW / AWB / Manual / Fixed
AGC	On / Off (adjustable)
OSD	Available
Power Supply	12VDC
Power Consumption	120mA
Operating Temperature/ Humidity	- 20°F – 120°F / within 95% RH
Dimensions	1" (Dia.) x 2.87" (L)
Weight	2.2 oz.
Housing	Black / Aluminum

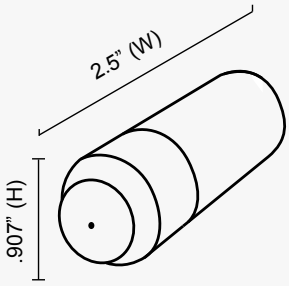
Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/5/15

Color Conical Pinhole Bullet Camera

CVC622PH 4.3mm conical pinhole lens, black housing



Features

- Pinhole lens allows camera to view through a 1/16" hole
- Conical shape is perfect to use with thicker materials like ceiling tiles or sheet rock
- Miniature size is easy to conceal
- Miniature mount included
- 5 year warranty

Specifications

Image Sensor	1/3" CCD
Resolution	380 TV lines
Minimum Illumination	1 lux
Effective Pixels	512 (H) x 492 (V)
Electronic Shutter Speed	Auto: 1/60 sec. - 100,000 sec.
Output	RCA with BNC adapter, power - DC jack
Scanning Frequency	15.75kHz (H) / 60Hz (V)
Scanning System	EIA standard 525 TV lines, 60 fields per sec.
S/N Ratio	More than 48dB
Video Output	1.0Vp-p / 75 ohms
Power Consumption	130mA
Power Supply	12VDC (UL & CSA listed power supply included)
Operating Temperature/ Humidity	-20° F – 122° F / within 95% RH
Dimensions	2.5" (W) x .907" (H) x .907" (L)
Weight	2 oz.

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960H Waterproof Color Camera with 60 Ft. Cable

CVC620WPH

3.6mm fixed lens, black housing

Features

- 700 TV lines of resolution
- Underwater operation up to maximum 60 ft. depth
- 1/3" 960H color CCD
- 5 year warranty

Specifications

Image Sensor .....1/3" color 960H CCD
Resolution.....700 TV lines
Minimum Illumination.....1.0 lux
S/N Ratio .....More than 48dB
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1020 (H) x 508 (V)
Electronic Shutter .....1/60 sec – 1/100,000 sec
Synchronization .....Internal
TV System .....NTSC
Operating Temperature.....-20° F – 120° F
Power Supply .....12VDC (power supply not included)
Power Consumption 80mA
Dimensions.....2.52" (L) x 1.34" (Dia.) x 3.5" (H)
Weight .....10 oz.
Cable .....60' of power/video cable included
Included in Package .....Main unit, mounting screws, mounting bracket

Optional Accessory

PSW5
12VDC
Power Supply

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DOME CAMERA COMPARISON CHART

Model	TVL	Lux	Voltage	Power Supply	Housing	Lens	Sensor	IR Range	Other Features
CCLR13D1G	600	0.1	12VDC	PSW5	Mini, Weather / Tamper Resistant	2.8-12mm VF	1/3"	N/A	Miniature color dome with Chameleon Cover™
CCLR13D7G	600	0.1	12VDC	PSW5	Mini, Weather / Tamper Resistant	3.6mm Fixed	1/3"	N/A	Miniature color dome with Chameleon Cover™
CCLR13D8G	600	0.1	12VDC	PSW5	Mini, Weather / Tamper Resistant	6mm Fixed	1/3"	N/A	Miniature color dome with Chameleon Cover™
CCLR25D7W	600	0.1	12VDC	PSW5	Mini / Indoor	3.6mm Fixed	1/3"	N/A	Diamond Dome™ series, indoor only
CDD11HW	700	0.01	12VDC	PSW5	Mini / Indoor	3.6mm Fixed	1/3"	N/A	960H Diamond Dome™ series miniature indoor camera
CILT00T6B,W	600	0.00001	12VDC	PSW5	Mini, Weather / Vandal Resistant	2.5mm Wide-Angle	1/3"	N/A	Miniature intense light color camera
CILT13D1G	620	0.00001	12VDC/24VAC	PSW4/5	Mini, Weather / Vandal Resistant	2.8-12mm VF	1/3"	N/A	Miniature intense light color camera with Chameleon Cover™
CILT13D7G	620	0.00001	12VDC/24VAC	PSW4/5	Mini, Weather / Vandal Resistant	3.6mm Fixed	1/3"	N/A	Miniature intense light color camera with Chameleon Cover™
CLED32D1B,W	700	0	12VDC	PSW5	Indoor	2.8-12mm VF	1/3"	65'	960H, IR LEDs
CLED32D7B,W	700	0	12VDC	PSW5	Indoor	3.6mm Fixed	1/3"	65'	960H, IR LEDs
CPTZ28D5W	700	0.5	12VDC	PSW5	Indoor, PTZ	3.9-85.8mm	1/4"	N/A	22x motorized optical zoom, surface mount
CPTZ29D5W	700	0.1	12VDC/24VAC	PSW4/5	Weather Resistant, PTZ	3.9-85.8mm	1/4"	N/A	22x motorized optical zoom, surface mount
CPTZ32D5W	700	0.00001	12VDC/24VAC	PSW4/5	Weather Resistant, PTZ	3.9-85.8mm	1/4"	N/A	22x motorized optical zoom, all-in-one
CVC5300DPVF,W	600	0.000	12VDC/24VAC	PSW4/5	Weather Resistant, Turret	2.8-12mm VF	1/3"	65'	PIR sensor with white LEDs
CVC5825DNV	600	0.000	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	65'	Intense-IR series
CVC6146H,W	700	0.00001	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	N/A	High resolution color
CVC6146SCS,W	630	0.00001	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	N/A	Full OSD operation
CVC61HRB,W	540	0.1	12VDC	PSW5	Mini, Weather / Tamper Resistant, Turret	3mm Fixed	1/3"	N/A	IP66 compliant
CVC61ILTB,W	600	0.00001	12VDC	PSW5	Mini, Weather / Tamper Resistant, Turret	3mm Fixed	1/3"	N/A	IP66 compliant, extreme low light function
CVC6246H,W	700	0.00002	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	N/A	960H, Intensifier H®, see color in darkness without IR LEDs
CVC6246IHR,W	650	0.00002	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	N/A	Intensifier series, see color in darkness without IR LEDs
HT61iLTHB,W	700	0.00001	12VDC	PSW5	Mini, Weather / Vandal Resistant, Turret	3mm Fixed	1/3"	N/A	960H, extreme low-light functionality
HT66iLTHB,W	700	0.00001	12VDC	PSW5	Mini, Weather / Vandal Resistant, Turret	2.5mm Wide-Angle Fixed	1/3"	N/A	960H, extreme low-light functionality
HINT13D7G	650	0.00002	12VDC	PSW5	Weather / Tamper Resistant	3.6mm Fixed	1/3"	N/A	Intensifier series, Full OSD operation, Chameleon Cover™
HINT13H	700	0.00002	12VDC/24VAC	PSW4/5	Weather / Tamper / Vandal Resistant	3.6mm Fixed	1/3"	N/A	960H, Intensifier H®, see color in darkness without IR LEDs
HINT71HG,W	700	0.00002	12VDC	PSW5	Mini, Weather / Tamper Resistant, Turret	2.9mm Fixed	1/3"	N/A	960H, Intensifier H®, see color in darkness without IR LEDs
HINT72HG,W	700	0.00002	12VDC	PSW5	Mini, Weather / Tamper Resistant, Turret	3.6mm Fixed	1/3"	N/A	960H, Intensifier H®, see color in darkness without IR LEDs
HINTMD1H	700	0.00002	12VDC/24VAC	PSW4/5	Mini, Weather / Tamper / Vandal Resistant	3.6mm Fixed	1/3"	N/A	960H, Intensifier H®, see color in darkness without IR LEDs
HLED33D1B,W	700	0	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	65'	Dual-voltage operation, IR LEDs
HLED33D7B,W	700	0	12VDC/24VAC	PSW4/5	Indoor	3.6mm Fixed	1/3"	65'	Dual-voltage operation, IR LEDs
HT5935H	700	0.001	12VDC/24VAC	PSW4/5	Weather / Vandal / Tamper Resistant	2.8-12mm VF	1/3"	N/A	960H, full OSD operation
HT5940H	700	0.01	12VDC/24VAC	PSW4/5	Weather / Vandal / Tamper Resistant	2.8-12mm VF	1/3"	66'	960H, IR LEDs, full OSD operation
HT5940K	1000	0.0001	12VDC/24VAC	PSW4/5	Weather / Vandal / Tamper Resistant	2.8-12mm VF	1/3"	66'	Intensifier K™ series, IR LEDs, wide dynamic range
HT6040K	1000	0.0001	12VDC/24VAC	PSW4/5	Mini, Weather / Vandal Resistant, Turret	2.8-12mm VF	1/3"	80'	Intensifier K™ series, IR LEDs, wide dynamic range
HT648H	700	0.01	12VDC/24VAC	PSW4/5	Indoor	4mm Fixed	1/3"	164'	960H, IR LEDs, full OSD operation, Chameleon Cover™
HT649H	700	0.01	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	164'	960H, IR LEDs, full OSD operation, Chameleon Cover™
HT670H	700	0.01	12VDC/24VAC	PSW4/5	Weather / Vandal / Tamper Resistant	4.3mm Fixed	1/3"	98'	960H, IR LEDs, full OSD operation, Chameleon Cover™
HT671H	700	0.01	12VDC/24VAC	PSW4/5	Weather / Vandal / Tamper Resistant	2.8-12mm VF	1/3"	98'	960H, IR LEDs, full OSD operation, Chameleon Cover™
HT672H	700	0.01	12VDC/24VAC	PSW4/5	Weather / Vandal / Tamper Resistant	5-50mm VF	1/3"	98'	960H, IR LEDs, full OSD operation, Chameleon Cover™
HT71HG,W	700	0.00	12VDC	PSW5	Mini, Weather / Vandal Resistant, Turret	2.9mm Fixed	1/3"	35'	960H, IR LEDs, compact size
HT7246H	700	0.00002	12VDC/24VAC	PSW4/5	Weather / Vandal Resistant	2.8-12mm VF	1/3"	N/A	960H, Intensifier® dome, see color in darkness without IR LEDs
HT7247H	700	0.00002	12VDC/24VAC	PSW4/5	Weather / Vandal Resistant	9-22mm VF	1/3"	N/A	960H, Intensifier® dome, see color in darkness without IR LEDs
HT7250H	700	0.00002	12VDC/24VAC	PSW4/5	Weather / Vandal Resistant	5-50mm VF	1/3"	N/A	960H, Intensifier® dome, see color in darkness without IR LEDs
HT7246iHR	650	0.00002	12VDC/24VAC	PSW4/5	Weather / Vandal Resistant / Wall / Ceiling	2.8-12mm VF	1/3"	N/A	Intensifier® series, joystick controlled OSD, Chameleon Cover™
HT7247iHR	650	0.00002	12VDC/24VAC	PSW4/5	Weather / Vandal Resistant / Wall / Ceiling	9-22mm VF	1/3"	N/A	Intensifier® series, joystick controlled OSD, Chameleon Cover™
HT7250iHR	650	0.00002	12VDC/24VAC	PSW4/5	Weather / Vandal Resistant / Wall / Ceiling	5-50mm VF	1/3"	N/A	Intensifier® series, joystick controlled OSD, Chameleon Cover™
HT7248FFI	650	0.00002	12VDC/24VAC	PSW4/5	Weather Resistant / Wall / Ceiling	2.8-10mm FF	1/3"	N/A	Focus Free, joystick controlled OSD, Chameleon Cover™
HT7250iHR	650	0.00002	12VDC/24VAC	PSW4/5	Weather Resistant / Wall / Ceiling	5-50mm VF	1/3"	N/A	Intensifier® series, joystick controlled OSD, Chameleon Cover™
HT72HG,W	700	0.00	12VDC	PSW5	Mini, Weather / Vandal Resistant, Turret	3.6mm Fixed	1/3"	35'	960H, IR LEDs, compact size
HTD10XH	700	0	12VDC/24VAC	PSW4/5	Weather / Vandal / Tamper Resistant	3.8-38mm VF, 10x Zoom	1/3"	98'	960H, IR LEDs, full OSD operation, Chameleon Cover™
HTD8FFI	650	0.00002	12VDC/24VAC	PSW4/5	Weather Resistant, Turret	2.8-10mm FF	1/3"	N/A	Intensifier series, see color in darkness without IR LEDs / Focus Free
HTINT58K,W	1000	0.0001	12VDC	PSW5	Indoor	2.8-12mm VF	1/3"	N/A	Intensifier K™ series, low-light performance
HTINT59K	1000	0.000	12VDC/24VAC	PSW4/5	Weather / Vandal Resistant	2.8-12mm VF	1/3"	N/A	Intensifier K™ series, wide dynamic range
HTINT60K	1000	0.000	12VDC/24VAC	PSW4/5	Mini, Weather / Vandal Resistant, Turret	2.8-12mm VF	1/3"	N/A	Intensifier K™ series, wide dynamic range
HTINT61K,W	1000	0.0001	12VDC	PSW5	Mini, Weather / Vandal Resistant, Turret	3.6mm Fixed	1/3"	N/A	Intensifier K™ series
HTINTD10,W	650	0.00002	12VDC/24VAC	PSW4/5	Weather Resistant, Turret	9-22mm VF	1/3"	N/A	Intensifier series®, see color in darkness without IR LEDs
HTINTD8,W	650	0.00002	12VDC/24VAC	PSW4/5	Weather Resistant, Turret	2.8-12mm VF	1/3"	N/A	Intensifier series®, see color in darkness without IR LEDs
HTINTD8H,W	700	0.00002	12VDC/24VAC	PSW4/5	Mini, Weather / Vandal Resistant	2.8-10mm FF	1/3"	N/A	960H, Intensifier® series, see color in darkness without IR LEDs
HTINTD9,W	650	0.00002	12VDC/24VAC	PSW4/5	Weather Resistant, Turret	5-50mm VF	1/3"	N/A	Intensifier series®, see color in darkness without IR LEDs
HTMD1H	700	0	12VDC/24VAC	PSW4/5	Mini, Weather Resistant	3.6mm Fixed	1/3"	N/A	960H, IR LEDs, dual voltage operation
HTSD12X	560	0.001	12VDC/24VAC	PSW4/5	Weather Resistant, PTZ	3.6-44.3mm Zoom	1/4"	N/A	12x motorized optical zoom & 12x digital zoom
HTSD37XH	700	0.5	24VAC	PSDC24	Weather Resistant, PTZ	3.5-129.5mm Zoom	1/4"	N/A	37x motorized optical zoom & 32x digital zoom, WDR
HTSD28XH	700	0.5	12VDC	PSDC24	Weather Resistant, PTZ	3.5-98mm Zoom	1/4"	N/A	28x motorized optical zoom & 32x digital zoom, WDR
VL644H,W	750	0.001	12VDC	PSW5	Indoor	3.6mm Fixed	1/3"	N/A	960H
VLEDT1HG,W	700	0.01	12VDC	PSW5	Weather Resistant, Turret	2.8-12mm VF	1/3"	98'	IR LEDs, IP66 compliant
VLEDT2HG,W	700	0.01	12VDC	PSW5	Weather Resistant, Turret	2.6mm Fixed	1/3"	65'	IR LEDs, IP66 compliant
WDRD10H	700	0.00006	12VDC/24VAC	PSW4/5	Weather Resistant	2.8-12mm VF	1/3"	98'	960H, IR LEDs, wide dynamic range, Chameleon Cover™
WDRD11H	700	0.00006	12VDC/24VAC	PSW4/5	Weather / Vandal Resistant	2.8-12mm VF	1/3"	N/A	960H, wide dynamic range, Chameleon Cover™
WDRD20H	700	0.00006	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	164'	960H, IR LEDs, wide dynamic range, Chameleon Cover™
WDRD21H	700	0.00006	12VDC/24VAC	PSW4/5	Indoor	2.8-12mm VF	1/3"	N/A	960H, wide dynamic range, full OSD operation

W = Housings are also available in white.

BULLET CAMERA COMPARISON CHART

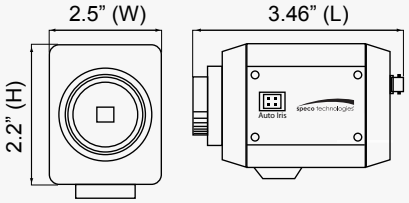
Model	TVL	Lux	Voltage	Power Supply	Weather Resistant	Lens	Sensor	Sunshield	IR Range	Other Features
CLPR66B4B	550	0	12VDC	PSW5	Yes	9-22mm VF	1/3”	Yes	6.6’-49’	License plate capture, weather resistant operation
CLPR67B4B	550	0	12VDC	Included	Yes	10-40mm VF	1/3”	Yes	16.3’-98.3’	License plate capture, weather resistant operation
CVC130H	700	0.0001	12VDC	PSW5	Yes	3.6mm wide angle	1/3”	No	N/A	Miniature bullet, OSD control
CVC320WP,W	420	0	12VDC	Included	Yes	3.6mm Fixed Wide	1/3”	Yes	33’	Waterproof up to 90’
CVC5100BPVF,W	600	0.000	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	65’	PIR sensor and white LEDs
CVC617H	700	0	12VDC	PSW5	Yes	4.3mm Fixed	1/3”	Yes	65’	960H, IR LEDs, weather resistant
CVC620WPH	700	1.0	12VDC	PSW5	Yes	3.6mm Fixed	1/3”	No	N/A	Waterproof up to 60’ / includes 60’ cable
CVC622PH	380	1.0	12VDC	Included	No	3.6mm Conical Pinhole	1/3”	No	N/A	Conical pinhole for thick materials
CVC627MH	700	0	12VDC/24VAC	PSW4/5	Yes	2.9mm Fixed	1/3”	Yes	65’	Marine applications
CVC637H,W	700	0.1	12VDC	PSW5	Yes	3.6mm Fixed	1/3”	No	N/A	960H, weather resistant, miniature bullet
CVC638170	700	0.001	12VDC	Included	No	2.2mm-Wide	1/3”	No	N/A	Ultra-wide 170 degree view
HT637H,W	700	0	12VDC	PSW5	Yes	3.6mm Fixed	1/3”	No	35’	960H, IR LEDs, miniature bullet
HT7040H	700	0.01	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	98’	960H, IR LEDs, weather resistant, full OSD operation
HT7042H	700	0.01	12VDC/24VAC	PSW4/5	Yes	5-50mm VF	1/3”	No	98’	960H, IR LEDs, OSD operation
HT7040K	1000	0	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	98’	IR LEDs, wide dynamic range, weather/vandal resistant
HT7048IRVF	600	0.000	12VDC/24VAC	PSW4/PSDC24	Yes	2.8-12mm VF	1/3”	Yes	196’	Two IR floods / multi-mount
HT7049IRVF	600	0.000	12VDC/24VAC	PSW4/PSDC24	Yes	6-50mm VF	1/3”	Yes	229’	Two IR floods / multi-mount
HTB10XH	700	0	12VDC/24VAC	PSW4/5	Yes	3.8-38mm VF, 10x zoom	1/3”	Yes	98’	960H, IR LEDs, full OSD operation
HTB11FFi	650	0.00002	12VDC/24VAC	PSW4/5	Yes	2.8-10mm motorized zoom	1/3”	Yes	N/A	Intensifier®, Focus Free
HTB11FFiH	700	0.00002	12VDC/24VAC	PSW4/5	Yes	2.8-10mm motorized zoom	1/3”	Yes	N/A	Intensifier H®, Focus Free
HTINT70K	1000	0	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	N/A	Intensifier K™, wide dynamic range, weather/vandal resistant
HTINTB8,W	650	0.000	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	N/A	Intensifier® see color in the dark wtih no IR LEDs
HTINTB8H,W	700	0.00002	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	N/A	960H, Intensifier® see color in the dark with no IR LEDs
HTINTB8G,W	650	0.000	12VDC/24VAC	PSW4/PSDC24	Yes	2.8-12mm VF	1/3”	Yes	N/A	Glącier™ heaters, see color in the dark w/ no IR
HTINTB9,W	650	0.000	12VDC/24VAC	PSW4/5	Yes	5-50mm VF	1/3”	Yes	N/A	See color in the dark with no IR LEDs
HTINTB9H,W	700	0.00002	12VDC/24VAC	PSW4/5	Yes	5-50mm VF	1/3”	Yes	N/A	960H, Intensifier® see color in the dark with no IR LEDs
HTINTB10,W	650	0.000	12VDC/24VAC	PSW4/5	Yes	9-22mm VF	1/3”	Yes	N/A	Intensifier® see color in the dark with no IR LEDs
HTINTB10H,W	700	0.00002	12VDC/24VAC	PSW4/5	Yes	9-22mm VF	1/3”	Yes	N/A	Intensifier H®, see color in the dark with no IR LEDs
HTINTB10G,W	650	0.000	12VDC/24VAC	PSW4/PSDC24	Yes	9-22mm VF	1/3”	Yes	N/A	Glącier™ heaters, see color in the dark with no IR
HINT637H,W	700	0.01	12VDC	PSW5	Yes	3.6mm Fixed	1/3”	No	N/A	Intensifier H®, miniature bullet
VL62,W	700	0	12VDC	Included	Yes	4mm Fixed	1/3”	Yes	60’	IR LEDs, weather resistant
VL66,W	700	0	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	60-90’	IR LEDs, weather resistant
VL7038IRVF	600	0.000	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	131’	Heater / multi-mount
VL7039IRVF	600	0.000	12VDC/24VAC	PSW4/5	Yes	6-50mm VF	1/3”	Yes	131’	Heater / multi-mount
VLEDB1HG,W	700	0.01	12VDC	PSW5	Yes	2.8-12mm VF	1/3”	Yes	98’	960H, IR LEDs, weather resistant
VLEDB2HG,W	700	0.01	12VDC	PSW5	Yes	3.6mm Fixed	1/3”	Yes	65’	960H, IR LEDs, weather resistant
WDRB10H	700	0.000	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	98’	960H, IR LEDs, wide dynamic range, full OSD operation
WDRB11H	700	0.000	12VDC/24VAC	PSW4/5	Yes	2.8-12mm VF	1/3”	Yes	N/A	960H, wide dynamic range, full OSD operation
W Housings are also available in white.										

Intensifier H® Series Traditional Cameras

See Color In Almost Complete Darkness Without IR LEDs

HTINTT5H Accepts C & CS auto iris & manual type lenses, dark grey housing

lens not included



Features

- 1/3" Sony Super HAD™ CCD
- 700 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- With presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- 12VDC / 24VAC dual voltage operation
- Built-in OSD operation
- Relay outputs for motion detection
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD™ CCD
Resolution	700 TV lines
Minimum Illumination	CDS Off: 0.15 lux CDS On: 0.00002 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) / 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	50dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. – 1/120,000 sec.
OSD	Available
DWDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto / Ext
AGC	Level adjustable
White Balance	ATW / Push / Manual
Intensify	Auto / Off (selectable x2 - x512)
Motion Detection	On / Off (4 programmable zones)
Privacy Masking	On / Off (8 programmable zones)
Speco DNR	High / Med / Low / Off
Sharpness	On / Off (level adjustable)
Mirror	On / Off
Power Consumption	12VDC, 150mA / 24VAC, 2W
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature	14˚ F – 122˚ F
Storage Temperature	-4˚ F – 140˚ F
Dimensions	2.5" (W) x 2.2" (H) x 3.46" (L)
Weight	1.5 lbs.

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

VCH400MT
Housing &
Bracket Only

VCH400HBMT
Housing with Heater,
Blower & Bracket

Optional Lenses

VF2.812	2.8-12mm manual lens	VF3.58DC	3.5-8mm auto iris lens
VF2.812DC	2.8-12mm auto iris lens	VF5100DC	5-100mm auto iris lens
VF3.58	3.5-8mm manual lens	VF660DC	6-60mm auto iris lens

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 11/4/14

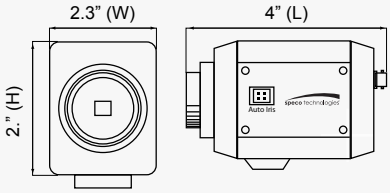
Intensifier®3 Series Value Line Traditional Camera

See Color In Almost Complete Darkness Without IR LEDs

VLINTT5 Accepts C & CS auto iris & manual type lenses

INT 3

lens not included



Features

- 650 lines of color resolution
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- Minimum illumination 0.00002 lux (Intensifier3® @ 512x)
- Now with Presets: Outdoor, Indoor, Elevator, Lobby, Hallway & Dark
- Built-in OSD operation
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super-HAD™ CCD
Resolution	650 TV lines
Minimum Illumination	0.00002 lux (sense-up x256)
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
TV System	NTSC
Scanning Frequency	15.734kHz (H) / 59.94Hz (V)
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	More than 52dB
Video Output	CVBS: 1.0Vp-p / 75 ohms
Electronic Shutter Speed	1/60 sec. – 1/120,000 sec.
OSD	Available
WDR	On / Off (level adjustable)
Backlight Compensation	BLC / HLC / Off
Day/Night	Color / BW / Auto
AGC	High / Low / Off
White Balance	ATW / Outdoor / Indoor / AWC / Manual (1,700°K - 11,000°K)
Intensifier3®	Auto / Off (selectable 2x - 512x)
Motion Detection	On / Off (8 programmable zones)
Privacy Masking	On / Off (12 programmable zones)
Speco DNR	On / Off (level adjustable)
Digital Zoom	On / Off (1x - 16x)
DIS	On / Off
Sharpness	On / Off (level adjustable)
Flip / Mirror	On / Off
Power Supply	12VDC (power supply not included)
Power Consumption	250mA
Operating Temperature	- 4˚ F – 120˚ F
Storage Temperature	- 4˚ F – 120˚ F
Dimensions	2.3" (W) x 2" (H) x 4" (L)
Weight	10.56 oz.

Optional Accessories

PSW5
12VDC
Power Supply

VCH400MT
Housing &
Bracket Only

VCH400HBMT
Housing with Heater,
Blower & Bracket

Optional Lenses

VF2.812	2.8-12mm manual lens	VF3.58DC	3.5-8mm auto iris lens
VF2.812DC	2.8-12mm auto iris lens	VF5100DC	5-100mm auto iris lens
VF3.58	3.5-8mm manual lens	VF660DC	6-60mm auto iris lens

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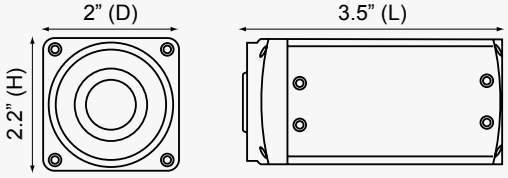
Spec Rev. 2/12/14

Wide Dynamic Range Traditional Color Camera

WDRT6 Accepts C & CS type lenses

WDR DAY NIGHT

lens not included

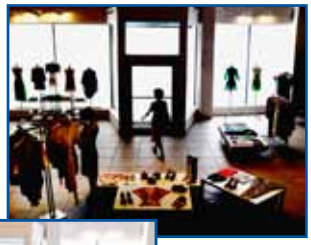


Features

- Newest WDR technology allows for improved image quality in scenes consisting of both bright and dark areas
- Each pixel is processed independently
- Sharpest quality analog image
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" Pixim® Seawolf DPS
Resolution	690 TV lines
Minimum Illumination	0.1 lux (sense-up 64x)
Effective Pixels	758 (H) x 540 (V)
Electronic Shutter	Max x64 (x2, x4, x8, x16, x32, x64)
Color Balance	Multiple selectable factory presets for most common situations Full manual override for special applications
Video Output	1.0Vp-p (sync. negative) termination 75 Ohm + 10%
TV System	NTSC
Scanning System	Progressive
Synchronization	Internal / External
S/N Ratio	More than 52dB
Dynamic Range	120dB (max.)
AGC Control	0-50dB
Gamma	0.45 typ.
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	190mA max.
Operating Temperature	14° F – 122° F
Dimensions	2.2" (H) x 3.5" (L) x 2" (D)
Weight	10.6 oz.



no WDR

WDR

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

VCH400MT
Housing &
Bracket Only

VCH400HBMT
Housing with Heater,
Blower & Bracket

Optional Lenses

VF2.812	2.8-12mm manual lens	VF3.58DC	3.5-8mm auto iris lens
VF2.812DC	2.8-12mm auto iris lens	VF5100DC	5-100mm auto iris lens
VF3.58	3.5-8mm manual lens	VF660DC	6-60mm auto iris lens

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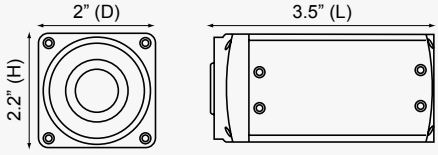
Spec Rev. 2/21/13

Dual Voltage Day/Night Traditional Color Camera

HCLR07L0G Accepts C and CS type lenses

DAY NIGHT

lens not included



Features

- 1/3" color Sony Super HAD II™ CCD
- High quality analog image, 650 TVL
- Automatic IR cut filter
- 12VDC / 24VAC dual voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" color Sony Super HAD II™CCD
Resolution	650 TV lines
Minimum Illumination	0.01 lux
Effective Pixels	768 (H) x 494 (V)
Electronic Shutter	Max x64 (x2, x4, x8, x16, x32, x64)
Shutter Speed	1/60 sec. – 1/100,000 sec.
Scanning System	2:1 interlace
Synchronization	Internal
White Balance	ATW / Manual / AWC
Backlight Compensation	Off / BLC / HLC / WDR
DNR	Auto / Low / Middle / High / Off
Mirror	On / Off
Day/Night	ICR (Auto / Color / BW)
Motion	On / Off, 4 zone
Privacy	On / Off, 8 zone
Video Output	1.0Vp-p (sync. negative) termination 75 Ohms + 10%
TV System	NTSC
S/N Ratio	More than 52dB
AGC	Low / Middle / High / Off
Gamma	0.45 typ.
Power Supply	12VDC / 24VAC dual voltage operation (power supply not included)
Power Consumption	290mA max.
Operating Temperature	14° F – 122° F
Dimensions	2.2" (H) x 3.5" (L) x 2" (D)
Weight	10.6 oz.
Included In Package	C-mount adaptor

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

VCH400MT
Housing &
Bracket Only

VCH400HBMT
Housing with Heater,
Blower & Bracket

Optional Lenses

VF2.812	2.8-12mm manual lens	VF3.58DC	3.5-8mm auto iris lens
VF2.812DC	2.8-12mm auto iris lens	VF5100DC	5-100mm auto iris lens
VF3.58	3.5-8mm manual lens	VF660DC	6-60mm auto iris lens

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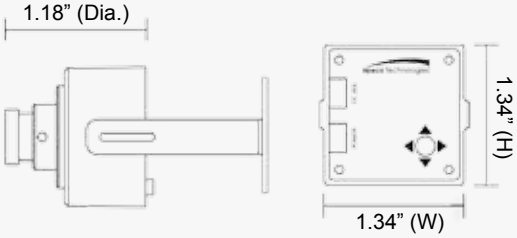
Spec Rev. 2/18/13

Intensifier® K 1000 TVL Indoor Miniature Board Camera with True WDR

HTINT40K 3.6mm fixed lens, black housing

INT K WDR 1000 TVL



Features

- 1/3" 1.3MP Sony Sensor
- 1000 TV lines highest resolution in analog
- True WDR functionality
- Superior low-light performance
- Amplify existing light with no distance limitation
- Presets include Indoor, Outdoor, Low Light, Hallway, Lobby (WDR), Elevator
- 12VDC voltage operation
- 5 year warranty

Specifications

Image Sensor	1/3" 1.3MP Sony Sensor
Resolution	1000 TV lines
Minimum Illumination	0.0001 lux
Effective Pixels	1305 (H) x 1049 (V)
Total Pixels	1312 (H) x 1069 (V)
TV System	NTSC
Scanning System	Progressive
S/N Ratio	More than 50dB
Frame rate	Max 50P/60P
Video Output	1.0Vp-p / 75 ohms
Lens	DC / Manual
Electronic Shutter Speed	Auto / Manual (1/60 sec. - 1/60,000 sec.) / Flicker
WDR	On (Low / Middle / High) / Off
Digital WDR	On (Low / Middle / High) / Off
Day/Night	Color / BW / Auto / Ext
White Balance	Auto / Auto Ext / AWC – SET / Manual
Brightness	0 - 20 (level adjustable)
AGC	0 - 20 (level adjustable)
Sense-Up	Default: x8 (x64 max.)
Motion Tracking	On / Off
Motion Detection	On / Off (4 zones)
Privacy	On / Off (16 zones)
Mirror / V-Flip	On / Off
Sharpness	0 - 15 (level adjustable)
Lens Shading Compensation	On / Off
3DNR	Off / Low / Middle / High
Defog	On (Auto / Manual) / Off
DIS	On / Off
Power Supply	12VDC power supply (power supply not included)
Power Consumption	12VDC, 120mA
Operating Temperature	-4° F – 140° F
Dimensions	1.34" (W) x 1.34" (H) x 1.18" (Dia.)
Weight	10.56 oz.

Optional Accessory

PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation.
Spec Rev. 10/21/14

Intensifier H® Miniature Board Camera

HINT600H 2.9mm fixed lens, black housing

HINT600VH 2.8-12mm auto iris varifocal lens, black housing

Features

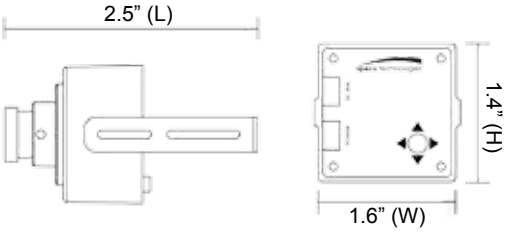
- 700 TV lines of color resolution
- Amplifies existing light with no distance limitations
- Minimum illumination 0.00002 lux (Intensify @ 512x)
- Presets for different lighting scenarios
- Full OSD operation
- Perfect for use in tight spaces like ATMs
- 5 year warranty

HINT600H

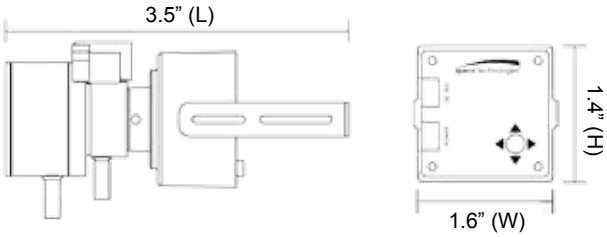
HINT600VH

Specifications

Image Sensor	1/3” color 960H CCD
Resolution	700 TV lines
Minimum Illumination	CDS Off: 0.1 lux CDS On: 0.00002 lux
S/N Ratio	50dB (AGC off)
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Electronic Shutter Speed	Auto (1/60 sec – 1/120,000 sec)
OSD	Yes
Scanning System	2:1 Interlaced
Synchronization	Internal
Intensify	Auto / Off (selectable 2x – 512x)
DNR	High / Middle / Low
White Balance	ATW / Push / Manual
Image	BLC / HLC / D-WDR / Defog
AGC	Level adjustable
TV System	NTSC
Operating Temperature	14° F – 122° F
Storage Temperature	-4° F – 140° F
Power Supply	12VDC (power supply not included)
Power Consumption	150mA
Dimensions	HINT600H: 1.6” (W) x 1.4” (H) x 2.5” (L) HINT600VH: 1.6” (W) x 1.4” (H) x 3.5” (L)
Weight	HINT600H: 5.5 oz. HINT600VH: 6 oz.



HINT600H



HINT600VH

Optional Accessory

PSW5
12VDC
Power Supply

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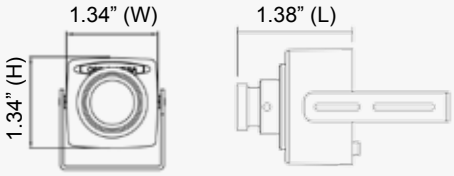
960H Miniature Indoor Color WDR Board Camera

WDR705H

4mm fixed lens, black housing



Features

- Newest WDR technology allows for improved image quality in scenes consisting of both bright and dark areas
- 1/3" 960H Sony HAD™ CCD
- 700 lines of color resolution
- Full OSD operation
- Compact size is perfect for use in tight spaces like ATMs
- 5 year warranty

Specifications

Image Sensor	1/3" 960H Sony HAD™ CCD (dual scan)
Resolution	700 TV lines
Minimum Illumination	0.000006 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1028 (H) x 508 (V)
TV System	NTSC
Scanning System	2:1 interlace
Synchronization	Internal
S/N Ratio	52dB (AGC off, weight on)
Video Output	1.0Vp-p / 75 ohms
Backlight Compensation	On / Off
Day/Night	Auto / Color / Ext
AGC	Level Adjustable (max 42db)
Sense-Up	Auto / Off (x2 – x512)
White Balance	ATW(1,800°K – 10,500°K) / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK
WDR	On / Off (Contrast: Low, Mid. Low, Mid, Mid. High / High)
Motion Detection	On / Off (4 zones)
Privacy	On / Off (15 zones)
Mirror	Off / V-Flip / H-Flip / HV-Flip
Sharpness	0 - 15 level adjustable
Digital Zoom	0 - 255 level adjustable (x1 - x16) Pan / Tilt
Defect Compensation	Auto (64 points)
2D/3DNR	Off / Low / Mid. Low / Mid / Mid. High / High
DIS	On / Off
Power Supply	12VDC (power supply not included)
Power Consumption	12VDC, 160mA / 24VAC, 80mA
Operating Temperature	-4° F – 140° F / 20% – 95% RH
Storage Temperature	-4° F – 140° F / 20% – 80% RH
Dimensions	1.34" (W) x 1.34" (H) x 1.38" (L)
Weight	12.48 oz.

Optional Accessory

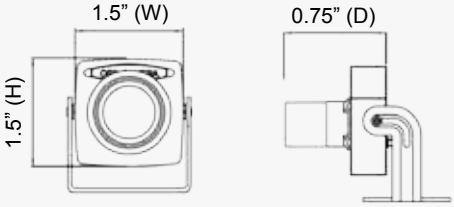
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 9/2/14

Miniature Pinhole Board Camera with On-Screen Display Functions

HT770PH 3.7mm conical pinhole lens, black housing

960 H



Features

- 1/3" Color 960H CCD
- Day/Night - select color, BW or auto
- Camera Titles - up to 15 characters
- Mirror Image - horizontal
- OSD control of all major camera functions
- Privacy Screens - up to 4 zones
- Perfect for use in tight spaces like ATMs
- Mounting bracket included
- 5 year warranty

Specifications

Image Sensor	1/3" Color 960H CCD
Resolution	700 TV lines
Minimum Illumination	0.00001 lux
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Electronic Shutter Speed	Auto (1/60 sec. - 1/100,000 sec.)
S/N Ratio	52dB (AGC off, weight on)
Scanning System	2:1 interlace
Synchronization	Internal
Backlight Compensation	Off / BLC / HLC
White Balance	ATW / AWB / Manual / Fixed
AGC	On / Off (adjustable)
OSD	Available
Motion Detection	On / Off (4 zone)
Privacy Function	On / Off (8 zone)
Mirror	H-Rev / V- Rev / Rotate
Day/Night	Day / Night / AGC (auto)
Power Consumption	120mA (max.) ±10%
Power Supply	12VDC (power supply not included)
Operating Temperature/ Humidity	-14˚ F – 120˚ F / RH 95% max.
Storage Temperature/ Humidity	-30˚ F – 140˚ F / RH 95% max.
Dimensions	1.5" (W) x 1.5" (H) x 0.75" (D)
Weight	3 oz.

Optional Accessory

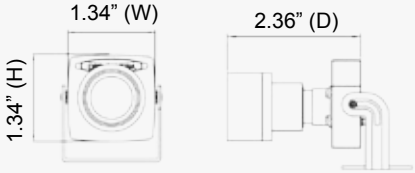
PSW5
12VDC
Power Supply

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 12/1/14

Indoor Color Board Camera with On-Screen Display Functions

C600VFSCS 2.8-12mm auto iris varifocal lens, black housing

DAY NIGHT



Features

- 1/3" Sony Super HAD II™ CCD
- 600 TV lines of resolution
- Day/Night - select color, BW or auto
- Camera Titles - up to 15 characters
- Full OSD operation
- Mirror Image - horizontal
- Privacy Screens - up to 8 zones
- Perfect for use in tight spaces like ATMs
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	600 TV lines
Minimum Illumination	0.01 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
Electronic Shutter Speed	Auto (1/50 sec., 1/60 sec. - 1/100,000 sec.)
S/N Ratio	52dB (AGC off, weight on)
Scanning System	2:1 interlace
Synchronization	Internal
Backlight Compensation	BLC / HLC / Off
White Balance	ATW1 / AWC - Set / Manual / Indoor / Outdoor
AGC	High / Middle / Low / Off
OSD	Available
2DNR	On / Off
D-WDR	On / Off (0 - 63' level adjustable)
Motion Detection	On / Off (4 zone)
Privacy Function	On / Off (8 zone)
Mirror	On / Off
Park Line (for parking assistance)	On / Off
Sharpness	0 - 31' (level adjustable)
Day/Night	Color / BW / Auto / EXT
Defect Compensation	Auto: 64 points
Power Consumption	120mA (max.) ± 10%
Power Supply	12VDC (power supply not included)
Operating Temperature/ Humidity	14˚ F – 122˚ F / RH 95% max.
Storage Temperature/ Humidity	-4˚ F – 140˚ F / RH 95% max.
Dimensions	1.34" (W) x 1.34" (H) x 2.36" (D)
Weight	1.76 oz.

Optional Accessory

PSW5
12VDC
Power Supply

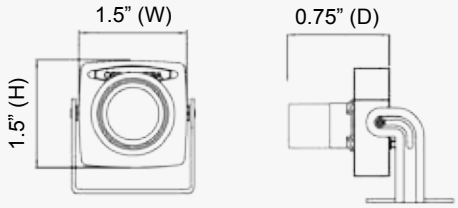
Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/12/14

Miniature Pinhole Camera with On-Screen Display Functions

CVC770PHSCS

3.7mm conical pinhole lens, black housing

DAY NIGHT



Features

- 1/3" Sony Super HAD II™ CCD
- Day/Night - select color, BW or auto
- Camera Titles - up to 15 characters
- Mirror Image - horizontal
- OSD control of all major camera functions
- Privacy Screens - up to 4 zones
- Perfect for use in tight spaces like ATMs
- Mounting bracket included
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	540 TV lines
Minimum Illumination	0.1 lux
Effective Pixels	768 (H) x 494 (V)
Total Pixels	811 (H) x 508 (V)
Electronic Shutter Speed	Auto (1/60 sec. - 1/100,000 sec.)
S/N Ratio	52dB (AGC off, weight on)
Scanning System	2:1 interlace
Synchronization	Internal
Backlight Compensation	On / Off (adjustable)
White Balance	ATW / AWB / Manual / Fixed
AGC	On / Off (adjustable)
OSD	Available
Motion Detection	On / Off (8 x 8 grid)
Privacy Function	On / Off (4 zone)
Mirror	On / Off
Sharpness	0 - 31' (level adjustable)
Day/Night	Color / BW / Auto
Power Consumption	120mA (max.) ±10%
Power Supply	12VDC (power supply not included)
Operating Temperature/ Humidity	-14˚ F – 120˚ F / RH 95% max.
Storage Temperature/ Humidity	-30˚ F – 140˚ F / RH 95% max.
Dimensions	1.5" (W) x 1.5" (H) x 0.75" (D)
Weight	3 oz.

Optional Accessory

PSW5
12VDC
Power Supply

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Board Camera In Aluminum Housing

CVC544BC2 3.6mm wide angle lens - optional lenses available

Features

- Durable black aluminum housing
- 5 year warranty
- Mounting bracket included

Specifications

Image Sensor	1/3" color CCD
Resolution	420 TV lines
Minimum Illumination	0.92 lux
Electronic Shutter Speed	Auto: 1/60 sec. - 1/100,000 sec.
Scanning Frequency	5.75kHz (H) / 60Hz (V)
White Balance	Auto
S/N Ratio	More than 46dB
Video Output	1.0Vp-p / 75 ohms
Output	RCA with BNC adaptor, power - DC jack
Power Consumption	110mA
Power Supply	12VDC (UL and CSA listed power supply included)
Operating Temperature/ Humidity	14° F – 122° F / within 95% RH
Dimensions	2" (W) x 3" (H) x 1.5" (L)
Weight	2.5 oz.

Optional Lenses

CVC544BC22.2	2.2mm
CVC544BC22.5	2.5mm
CVC544BC22.9	2.9mm
CVC544BC26	6mm
CVC544BC28	8mm
CVC544BC212	12mm
CVC544BC216	16mm

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Color Compact Pinhole Board Camera

CVC521PH 3.7mm pinhole lens

Features

- 1/3" color Sony Super HAD™ II CCD
- 600 TV lines of resolution
- Miniature size board camera
- 5 year warranty

Specifications

Image Sensor	1/3" color Sony Super HAD™ II CCD
Resolution	600 TV lines
Effective Pixels	768 (H) x 494 (V)
Minimum Illumination	0.01 lux, F1.2
Electronic Shutter Speed	1/60 sec. - 1/100,000 sec.
Scanning Frequency	15.75kHz (H) / 60Hz (V)
Scanning System	2:1 interlace
White Balance	Auto
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vp-p / 75 ohms
Output	BNC output, power - DC jack
Power Consumption	80mA
Power Supply	12VDC (UL & CSA listed power supply included)
Operating Temperature/ Humidity	14° F – 122° F / within 95% RH
Dimensions	1.26" (W) x 1.26" (H)
Weight	0.35 oz.

Spec Rev. 2/18/13

Color Compact Board Camera

CVC521BC 3.6mm fixed lens - optional lenses available

Features

- 1/3" color Sony Super HAD™ II CCD
- 600 TV lines of resolution
- Miniature size board camera
- 5 year warranty

Specifications

Image Sensor	1/3" color Sony Super HAD™ II CCD
Resolution	600 TV lines
Effective Pixels	768 (H) x 494 (V)
Minimum Illumination	0.1 lux, F1.2
Electronic Shutter Speed	1/60 sec. - 1/100,000 sec.
Scanning Frequency	15.75kHz (H) / 60Hz (V)
Scanning System	2:1 interlace
White Balance	Auto
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vp-p / 75 ohms
Output	BNC output, power - DC jack
Power Consumption	80mA
Power Supply	12VDC (UL & CSA listed power supply included)
Operating Temperature/ Humidity	14° F – 122° F / within 95% RH
Dimensions	1.26" (W) x 1.26" (H)
Weight	0.35 oz.

Spec Rev. 2/25/13

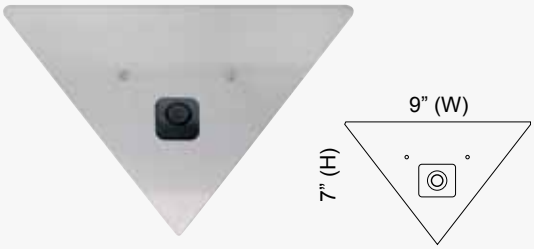
Optional Lenses

CVC521BC2.2	2.2mm
CVC521BC2.5	2.5mm
CVC521BC2.9	2.9mm
CVC521BC6	6mm
CVC521BC8	8mm
CVC521BC12	12mm
CVC521BC16	16mm

960H Corner Mount Color Camera

CVC605CM 3.6mm lens - optional lenses available, stainless steel housing

960 H



Features

- 1/3" Sony Super HAD II™ color CCD
- 700 TV lines of resolution
- Also available in brass housing
- 92° corner mount camera
- Perfect for elevators, hallways, etc.
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ color CCD
Resolution	700 TV lines
Minimum Illumination	0.001 lux (sense-up on)
Electronic Shutter	1/60 sec. – 1/100,000 sec.
S/N Ratio	More than 46dB
Video Output	1.0Vp-p / 75 ohms
Power Consumption	230mA (color), 90mA (BW)
Power Supply	12VDC regulated (UL & CSA listed power supply included)
Operating Temperature	14° F – 122° F
Housing	18 gauge stainless steel with lexan window
Dimensions	9" (W) x 7" (H) x 4 (L)
Weight	1.4 lbs.

Spec Rev. 6/27/14

Optional Lenses

CVC605CM2.2 ..... 2.2mm lens
CVC605CM2.5 ..... 2.5mm lens
CVC605CM2.9 ..... 2.9mm lens

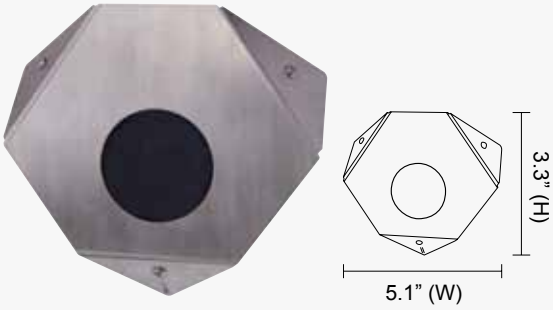
Also available with brass housing

CVC605CMB2.2 ..... 2.2mm lens
CVC605CMB2.5 ..... 2.5mm lens
CVC605CMB ..... 3.6mm lens

960H Vandal Resistant Corner Mount Color Camera

CVC607CMTP 3.6mm lens - optional lenses available, grey housing

960 H



Features

- 1/3" Sony Super HAD II™ CCD
- 700 TV lines of resolution
- Vandal resistant 90° corner mount camera
- Heavy duty housing is built to withstand blows from a 10 lb. sledgehammer
- Also available in brass housing
- 5 year warranty

Specifications

Image Sensor	1/3" Sony Super HAD II™ CCD
Resolution	700 TV lines
Minimum Illumination	0.001 lux (sense-up on)
Effective Pixels	976 (H) x 494 (V)
Total Pixels	1020 (H) x 508 (V)
Electronic Shutter	1/60 sec. – 1/100,000 sec.
S/N Ratio	More than 52dB
Video Output	1.0Vp-p / 75 ohms
Power Consumption	230mA
Power Supply	12VDC, 500mA (power supply not included)
Operating Temperature	14° F – 122° F
Housing	16 gauge steel
Dimensions	5.1" (W) x 3.3" (H)
Weight	1.5 lbs.

Spec Rev. 1/16/14

Optional Accessory

PSW5
12VDC Power Supply

Optional Lenses

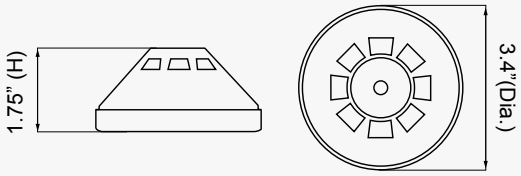
CVC607CMTP2.2 ..... 2.2mm lens
CVC607EXCM2.5 ..... 2.5mm lens
CVC607EXCM2.5B (brass housing) ..... 2.5mm lens

960H Discreet Ceiling Mounted Color Camera

VL562SD 3.7mm lens, color, white housing

Features

- 1/3” Sony Super HAD II™ color CCD
- View sideways at 45° angle or straight down
- 700 TV lines of resolution
- 5 year warranty



Specifications

Image Sensor ..... 1/3” Sony Super HAD II™ color CCD
Resolution..... 700 TV lines
Minimum Illumination..... 0.001 lux (sense-up on)
Electronic Shutter ..... Auto: 1/60 sec. – 1/100,000 sec.
Video Output Level ..... 1.0Vp-p / 75 ohms
S/N Ratio ..... More than 50dB
Output..... Video - BNC, Power - DC jack

Operating Temperature/
Humidity..... 14° F – 122° F / within 90% RH
Power Consumption 230mA
Power Supply ..... 12VDC regulated
(UL and CSA listed power supply included)
Dimensions..... 3.4” (Dia.) x 1.75” (H)
Weight ..... 4.5 oz.

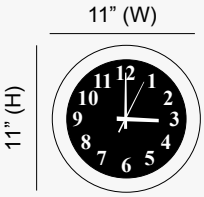
Spec Rev. 1/20/14

960H Color Clock Camera

CVC585RC 3.6mm wide angle lens

Features

- Discreet surveillance of sensitive areas
- Good performance in a variety of conditions
- Ready to hang with nothing to build or adjust
- 700 TV lines of resolution
- 5 year warranty



Specifications

Image Sensor .....1/3” Sony Super HAD II™ color CCD
Resolution.....700 TV lines
Minimum Illumination.....0.001 lux (sense-up on)
Effective Pixels .....976 (H) x 494 (V)
Total Pixels .....1020 (H) x 508 (V)
Electronic Shutter .....1/60 sec. – 1/100,000 sec.
S/N Ratio .....More than 52dB
Video Signal Output.....1.0Vp-p / 75 ohms, BNC
Scanning Frequency.....15.75kHz (H) / 60Hz (V)
Scanning System.....2:1 interlace

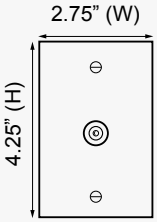
Operating Temperature/
Humidity.....14˚ F – 122˚ F / within 95% RH
Power Consumption 230mA
Power Supply .....12VDC (power supply included),
AA battery for quartz clock (included)
Dimensions.....1.5” (L) x 11” (W) x 11” (H)
Weight .....1.5 lbs.

Spec Rev. 6/30/14

960H Color or Standard BW In-Wall Camera

CVC675 3.6mm lens, color
CVC75 3.6mm lens, BW

960 H



Features

- Fits into a single gang electrical box (included)
- Brushed stainless steel faceplate
- Lens options available
- 700 TV lines of resolution
- 5 year warranty

Specifications	CVC675	CVC75
Image Sensor	1/3" Sony Super HAD II™ color CCD	1/3" BW CCD
Resolution	700 TV lines	420 TV lines
Minimum Illumination	0.001 lux (sense-up on)	0.02 lux
Effective Pixels	976 (H) x 494 (V)	512 (H) x 492 (V)
Scanning System	2:1 interlace	2:1 interlace
Angle of View	Horizontal: 72° / Vertical: 53°	Horizontal: 72° / Vertical: 53°
Outputs / Connection	Video - RCA, Power - DC jack	Video - BNC, Power - DC jack
Scanning Frequency	15.75kHz (H) / 60Hz (V)	15.75kHz (H) / 60Hz (V)
Electronic Shutter Speed	Auto: 1/60 sec. – 1/50,000 sec.	Auto: 1/60 sec. – 1/50,000 sec.
Synchronization	Internal	Internal
Video Output Level	1.0Vp-p / 75 ohms	1.0Vp-p / 75 ohms
Video S/N Ratio	Greater than 52dB	More than 48dB
Housing	Stainless steel	Stainless steel
Operating Temperature/ Humidity	14° F – 122° F / within 90% RH	14° F – 122° F / within 90% RH
Power Consumption	110mA	130mA
Power Supply	12VDC regulated (UL & CSA listed power supply included)	12VDC regulated (UL & CSA listed power supply included)
Dimensions	2.75" (W) x 4.25" (H) x 2.75" (L)	2.75" (W) x 4.25" (H) x 2.75" (L)
Weight	3.45 oz.	3.45 oz.

Optional Lenses

CVC6752.2 ..... 2.2mm lens	CVC6758 ..... 8mm lens
CVC6752.5 ..... 2.5mm lens	CVC67512 ..... 12mm lens
CVC6752.9 ..... 2.9mm lens	CVC67516 ..... 16mm lens
CVC6756 ..... 6mm lens	

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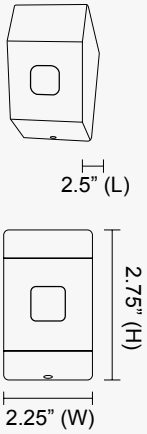
960H Color or Standard BW Angle Mount Camera

CVC695AM 3.6mm wide angle lens, horizontal 72º / vertical 53º, color

CVC95AM 3.6mm wide angle lens, horizontal 72º / vertical 53º, BW

Features

- Weather/tamper resistant cover
- Features a 3.6mm wide angle lens that views at a downward angle of 38°
- Includes tamper resistant screw for vandal resistant mounting
- 700 TV lines of resolution
- 5 year warranty



Specifications	CVC695AM	CVC95AM
Image Sensor	1/3" Sony Super HAD II™ color CCD	1/3" BW CCD
Resolution	700 TV lines	420 TV lines
Minimum Illumination	0.001 lux (sense-up)	0.02 lux
Effective Pixels	976 (H) x 494 (V)	512 (H) x 492 (V)
Electronic Shutter Speed	Auto: 1/60 sec. – 1/100,000 sec.	Auto: 1/60 sec. – 1/100,000 sec.
Video Output	1.0Vp-p / 75 ohms	1.0Vp-p / 75 ohms
S/N Ratio	More than 52dB	More than 50dB
Scanning Frequency	15.75kHz (H) / 60Hz (V)	15.75kHz (H) / 60Hz (V)
Output	Video - BNC, Power - DC jack	Video - BNC, Power - DC jack
Operating Temperature/ Humidity	14º F – 122º F / within 95% RH	14º F – 122º F / within 95% RH
Power Consumption	210mA	150mA
Power Supply	12VDC (UL and CSA listed power supply included)	12VDC (UL and CSA listed power supply included)
Housing	18 gauge stainless steel	18 gauge stainless steel
Dimensions	2.25" (W) x 2.75" (H) x 2.5" (L)	2.25" (W) x 2.75" (H) x 2.5" (L)
Weight	6.8 oz.	6.8 oz.

Optional Lenses

CVC95AM2.5	2.5mm lens
CVC95AM6	6mm lens
CVC95AM8	8mm lens
CVC95AM12	12mm lens
CVC695AM2.5	2.5mm lens
CVC695AM2.9	2.9mm lens
CVC695AM6	6mm lens
CVC695AM8	8mm lens
CVC695AM12	12mm lens

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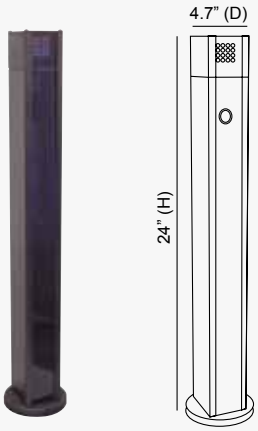
Color Facial Identification IR Tower Camera with Dual Voltage Operation

TC25VF 2.6-6mm auto iris varifocal lens, black housing

IR DAY NIGHT



Features

- View a person's face by placing an unobtrusive camera at eye level
- The camera can be tilted within the housing to achieve all required angles
- The tower is horizontally adjustable and locks into position using set screws
- Operates on 24VAC power, which allows for line lock and "drift free" color pictures
- Removable top mounted IR LEDs illuminate a person's face and balances backlit scenes
- WDR (Wide Dynamic Range) technology minimizes back-lighting problems
- The cable can be routed through the bottom of the base, or the rear, for a more concealed and secure installation
- Customize the look of your tower with a paint color or "slide-in" advertising panels
- 5 year warranty

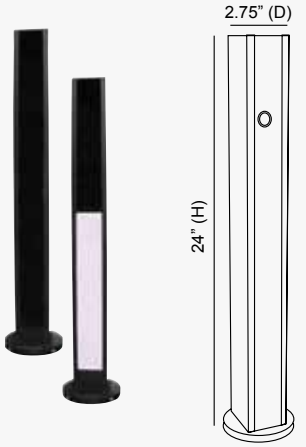
Specifications

Image Sensor ..... 1/3" double speed Sony Super HAD II™ CCD
Resolution..... 580 TV lines
Minimum Illumination..... 0 lux within a 10 ft. range, 0.03 lux beyond 10 ft.
Number of IR LEDs 16
Day/Night..... Mechanical IR cut filter
Scanning System..... 2:1 interlaced
Line Locked ..... Adjustable V – Phase
S/N Ratio ..... More than 50dB
Gamma..... 0.45 typ.
Video Output:..... 1.0Vp-p / 75 ohms
Electronic Shutter ..... 1/60 sec. – 1/100,000 sec.
Power Consumption ..... 12VDC, 230mA / 24VAC, 5.5W
Power Supply ..... 12VDC / 24VAC auto sensing dual voltage (power supply not included)
Operating Temperature..... 14º F – 122º F
Dimensions..... 24" (H) x 4.7" (D)
Weight ..... 4.5 lbs.

960H Color Facial Identification Camera with Dual Voltage Operation

TC23 2.9mm lens - optional lens available, black housing

960H



Features

- View a person's face by placing an unobtrusive camera at eye level
- The camera can be tilted within the housing to achieve all required angles
- Stationary tower
- Operates on 24VAC power which allows for line lock and "drift free" color pictures
- Fixed focal lens for less demanding application
- The cable can be routed through the bottom of the base, or the rear, for a more concealed and secure installation
- Customize the look of your tower with a paint color or "slide-in" advertising panels
- 5 year warranty

Specifications

Image Sensor ..... 1/3" Sony Super HAD II™ color CCD sensor
Resolution..... 700 TV lines
Minimum Illumination..... 0.01 lux low light sensitivity
Electronic Shutter ..... 1/60 sec. – 1/100,000 sec.
Scanning System..... 2:1 interlaced
Line Locked ..... Adjustable V – Phase
S/N Ratio ..... More than 50dB
Gamma..... 0.45 typ.
Video Output..... 1Vp-p / 75 ohms
Power Consumption ..... 12VDC, 230mA / 24VAC, 5.5W
Power Supply ..... 12VDC / 24VAC dual voltage operation (power supply not included)
Operating Temperature... 14º F – 122º F
Dimensions..... 24" (H) x 2.75" (D)
Weight ..... 5 lbs.

Optional Lenses*

TC23.4..... 4mm
TC23.6..... 6mm
TC2312..... 12mm

*TC23 only

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

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Color Wall Mount Camera

CVC691AMW 3.6mm wide angle lens, white housing

Features

- Wall mount color camera
- Lens options available
- 5 year warranty

Specifications

Image Sensor	1/4” CCD image sensor
Resolution	420 lines
Electronic Shutter	Auto: 1/60 sec. -1/100,000 sec.
Minimum Illumination	1.0 lux
Output Level	1.0Vp-p / 75 Ohms
S/N Ratio	More than 50dB
Scanning Frequency	15.7kHz (H) / 60Hz (V)
Output	RCA female, includes BNC adaptor
Operating Temperature/ Humidity	14º F – 122º F / within 95% RH
Power Consumption	110mA
Power Supply	12VDC (UL and CSA listed power supply included)
Dimensions	2.25” (W) x 2.75” (H) x 2.5” (L)
Weight	7 oz.

Optional Lenses

CVC691AMW2.2 ..2.2mm lens
CVC691AMW2.9 ..2.9mm lens
CVC691AMW8 .....8mm lens
CVC691AMW12 ...12mm lens
CVC691AMW16 ...16mm lens

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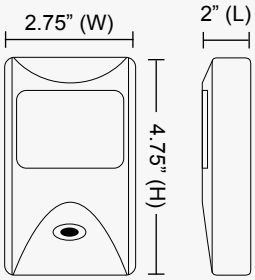
Color CCTV Camera in Non-Operating or Operating PIR Housing

VL565PIR 3.6mm pinhole lens, non-operating PIR, white housing
VL572PIR 3.6mm pinhole lens, operating PIR, white housing

960 H



Features

- Camera encased in non-working or working PIR
- Fully adjustable wall/ceiling mount included
- 5 year warranty

Specifications

Image Sensor	1/3” 960H CCD
Resolution	700 TV lines
Minimum Illumination	1.0 lux
Electronic Shutter	Auto: 1/60 sec. - 1/100,000 sec.
S/N Ratio	More than 46dB
Video Output	1.0Vp-p / 75 ohms
Power Consumption	120mA (non-operating PIR), 130mA (operating PIR)
Power Supply	12VDC (UL & CSA listed power supply included)
Operating Temperature	14° F – 122° F
Housing	White ABS plastic with mount
Dimensions	2” (L) x 2.75” (W) x 4.75” (H)
Weight	9 oz.

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ANALOG MOUNT/HOUSING COMPATIBILITY CHART

Model	Type	Image	Relevant Models
59PLATE	Adaptor Plate		HT5940H, HTINT59K, HT5940K (use with CVCJBD)
60PLATE	Adaptor Plate		HTINT60K, HT6040K (use with CVCJBD)
APT28DW	Adaptor Plate for COR32DW or POL28DW when used with PEN32DW		CPTZ32D5W, COR32DW, POL28DW, PEN32DW
APT29DW	Adaptor Plate for COR32DW or POL28DW when used with WMA29DW		COR32DW, CPTZ28D5W, CPTZ29D5W, POL28DW, WMA29DW
APT32DW	Adaptor Plate for COR32DW or POL28DW		COR32DW, CPTZ28D5W, CPTZ29D5W, POL28DW
CEI32DW	Ceiling Mount		CPTZ32D5W
CLGMT37X	Ceiling Mount		HTSD37X, HTSD37XH, HTSD28XH
CM00TB,W	Ceiling Tile Mount		CVC61HRB, CVC61HRW, CVC61ILTB, CVC61ILTW, CILT00T6B, CILT00T6W, HT61iLHB/W, HT66iLHB/W
COR32DW	Corner Mount Adaptor		CPTZ28D5W, CPTZ29D5W, CPTZ32D5W*
CORMT37X	Corner Mount		HTSD37X, HTSD37XH, HTSD28XH
CPSD10X	Corner Pole Mount		HTSD12X
CVCJBB,W	Bullet Junction Box		HT7042H, CVC5100BPVF, HTB10XH, HTINTB8, HTINTB8H, HTINTB8G, HTINTB9, HTINTB10, HTINTB10G, HTB11FFi, HTB11FFiH, HT5100BPVFG, HT5200BPVFG, HT7040H, HTINTB9H, HTINTB10H, HTINT70K, HT7040K, WDRB10H, WDRB11H, INTCM, INTJBS
CVCJBD,W	Small Round Dome Junction Box		HT5940H, HTINT59K, HT5940K (use with 59PLATE) HTINT60K, HT6040K (use with 60PLATE) HTMD1H, HTINTMD1H (use with OADP4) HTD10XH, HT648H, HT649H, HT670H, HT671H, HT672H, HT7246iHR, HT7247iHR, HT7246H, HT7248FFI, HT7250H, HT7250iHR, HT7247H, WDRD10H, WDRD11H, WDRD20H, INTPM, INTWM, INTCM
CVCWM,W	Indoor Dome Wall Mount		CVC5825DNV
CVCWMTIND	Indoor Dome Wall Mount		CVC6146H, CVC6146SCS, CVC6146SCSFF, CVC6146SCSFFW, CVC6246iHR, CVC6246H, WDRD21H
DFM	Tile Ceiling Flush Mount		CVC6146H, CVC6146SCS, CVC6146SCSFF, CVC6146SCSFFW, CVC6246iHR, CVC6246H, HT648H, HT649H, HT670H, HT671H, HT672H, HT7246iHR, HT7246H, HT7247H, HT7247iHR, HT7248FFi, HT7250iHR, HT7250H, WDRD10H, WDRD11H, WDRD20H, WDRD21H, HTD10XH
DFM29DW	In Ceiling Mount		CPTZ29D5W

ANALOG MOUNT/HOUSING COMPATIBILITY CHART

Model	Type	Image	Relevant Models
INTCM,W	Corner / Pole Mount		HT648H, HT649H, HT670H, HT671H, HT672H, HTD10XH, WDRD10H, WDRD11H, WDRD20H (use with INTWM) CVC5100BPVF, HTB10XH, HTB11FFi, HTB11FFiH, HTD10XH, HTINTB8, HTINTB8H, HTINTB9, HTINTB9H, HTINTB10, HTINTB10H, HTINTB8G, HTINTB10G, HT5100BPVFG, HT5200BPVFG, HT7040H, HT7042H, HT7048IRVF, HT7049IRVF, HTINT70K, HT7040K, VL5700BPVF, VL7038IRVF, VL7039IRVF, WDRB10H, WDRB11H, CVCJBB, INTJBS
INTJBS,W	Square Junction Box		CVC5100BPVF, HTB10XH, HTB11FFi, HTB11FFiH, HTINTB8, HTINTB9, HTINTB9H, HTINTB10, HTINTB10H, HTINTB8G, HTINTB8H, HTINTB10G, HT7040H, HT7042H, HT7048IRVF, HT7049IRVF, HT5100BPVFG, HT5200BPVFG, HTINT70K, HT7040K, VL7038IRVF, VL7039IRVF, WDRB10H, WDRB11H, CVCJBB
INTPM,W	Pendant Mount		HTMD1H, HINTMD1H (use with OADP4 and CVCJBD) HTINT60K, HT6040K (use with 60PLATE and CVCJBD) HTINT59K, HT5940K, HT5940H (use with 59PLATE and CVCJBD) CVC5300DPVF, CVC5845DNV, CVC5935DNV, HTD10XH, HT648H, HT649H, HT671H, HT670H, HT672H, HT7246iHR, HT7246H, HT7247H, HT7250H, HT7247iHR, HT7250iHR, HT7248FFi, HTD8FFi, HTINTD8, HTINTD8H, HTINTD9, HTINTD10, WDRD10H, WDRD11H, WDRD20H, INTCM with INTWM only, CVCJBD, JB03TG/W, JB02DG/W
INTWM,W	Dome Wall Mount		
JB02DG,W	Dome Junction Box		CVC5935DNV, CVC5935DNVW
JB03TG,W	Large Round Junction Box		CVC5300DPVF, CVC5845DNV, CVC5845DNVW, HTD8FFi, HTINTD8, HTINT-D8H, HTINTD9, HTINTD10, INTPM, INTWM
OADP4	Adaptor Plate		HTMD1H, HINTMD1H (use with CVCJBD)
PEN29DW	Pendant Arm		CPTZ28D5W, CPTZ29D5W
PEN32DW	Pendant Arm		CPTZ32D5W*
PMA29DW	Pole Mount Adaptor		CPTZ28D5W, CPTZ29D5W
POL28DW	Pole Mount		CPTZ28D5W, CPTZ29D5W, CPTZ32D5W*
POLMT37X	Pole Mount		HTSD37X, HTSD37XH, HTSD28XH
WAC29DW	Wall / Ceiling Adaptor		CPTZ29D5W
WMA29DW	Wall Mount		CPTZ28D5W, CPTZ29D5W*
WMSD10X	Wall Mount		HTSD12X

*Refer to camera spec sheet for full accessory list

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Indoor/Outdoor 60° Infrared LED Illuminator

IR60 IR illuminator

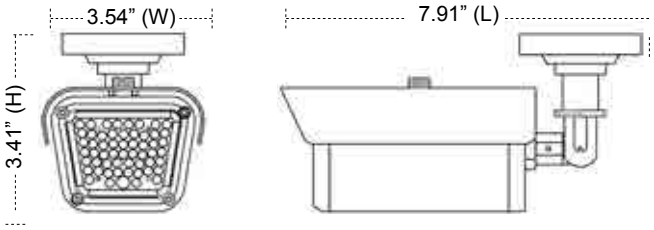
IR

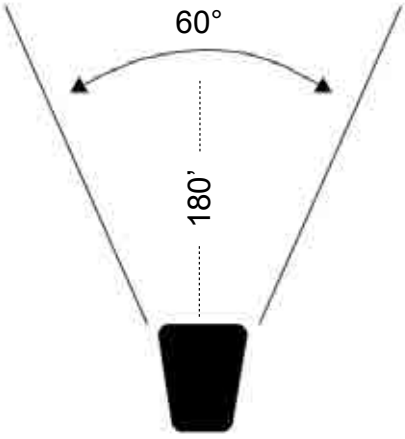
Features

- 60° field of illumination
- IR range up to 180 ft. in near total darkness and depending on scene reflection
- 55 powerful infrared LEDs
- Compatible with any BW or IR sensitive color CCD camera
- CDS sensor activates IR LEDs only as needed
- Low power consumption
- Weather resistant operation
- IP66 compliant
- 1 year warranty

Specifications

Field of Illumination	60°
Number of IR LEDs	55
IR Range	180' (depending on scene reflection)
LED Wavelength	850nm
Lux Level	10 lux
Operating Temperature	-22° F – 140° F
Storage Temperature	-22° F – 140° F
Power Supply	12VDC, 410mA / 24VAC, 320mA (power supply not included)
Dimensions	3.54" (W) x 3.41" (H) x 7.91" (L)
Weight	26.5 oz.
Housing	Aluminum





IR Illuminator

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

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Indoor/Outdoor 80° Infrared LED Illuminator

IR80 IR illuminator

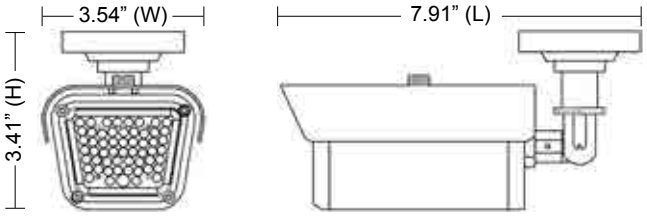
IR

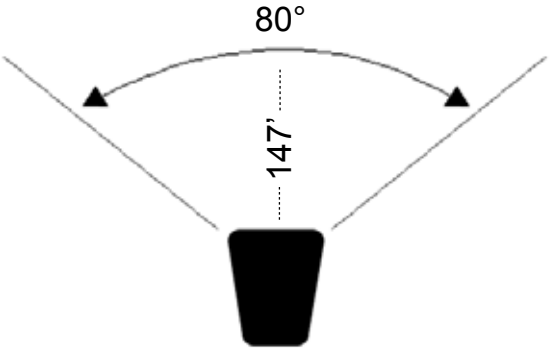
Features

- 80° field of illumination
- IR range up to 147 ft. in near total darkness and depending on scene reflection
- 55 powerful infrared LEDs
- Compatible with any BW or IR sensitive color CCD camera
- CDS sensor activates IR LEDs only as needed
- Low power consumption
- Weather resistant operation
- IP66 compliant
- 1 year warranty

Specifications

Field of Illumination..... 80°
Number of IR LEDs 55
IR Range ..... 147' (depending on scene reflection)
LED Wavelength..... 850nm
Lux Level ..... 10 lux
Operating Temperature..... -22° F – 140° F
Storage Temperature..... -22° F – 140° F
Power Supply ..... 12VDC, 410mA / 24VAC, 320mA
(power supply not included)
Dimensions..... 3.54" (W) x 3.41" (H) x 7.91" (L)
Weight ..... 26.5 oz.
Housing ..... Aluminum





IR Illuminator

Optional Accessories

PSW4
24VAC
Power Supply

PSW5
12VDC
Power Supply

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Indoor/Outdoor Infrared LED Illuminator

IR20024 24VAC, white housing

IR

Features

- 48 powerful infrared LEDs
- Indoor/outdoor infrared illuminator ideal for low-light or near total darkness applications
- Offers a 40' range and 30° horizontal / vertical dispersion angle
- Illuminator is housed in heavy-duty aluminum
- Mounting bracket included
- 5 year warranty

Specifications

Number of IR LEDs	48
IR Range	40' range & 30° horizontal / vertical angle dispersion (depending on scene reflection)
IR LED Wavelength	850nm
Minimum Illumination	0.00 lux
Housing	Heavy duty aluminum
Mount	Mounting bracket included
Power Supply	24VAC (power supply not included)
Dimensions	3.5" (W) x 4.5" (H) x 6.5" (L)
Weight	3 lbs.

Optional Accessory

PSW4
24VAC
Power Supply

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HD 1080p LED Monitor

M19LED 19” LED monitor

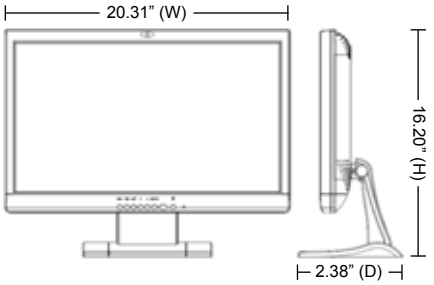
M215LED 21.5” LED monitor

Features

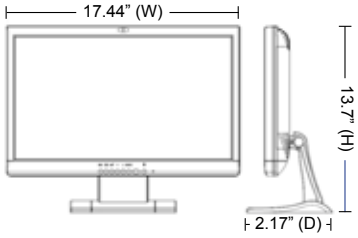
- Flat-panel LED - backlit LCD
- HDMI, VGA (D-Sub 15 pins) and BNC video inputs
- 1920(H) x 1080(V) HD 1080p resolution
- Built-in speakers
- Convenient front controls for screen programming
- Input signal detection provides easy connection
- 290cd/m2 brightness
- 16:9 display ratio
- 500:1 contrast ratio
- Displays up to 16.7 million colors
- Regulated 12VDC 5.0 amp (UL & CSA listed power supply included)
- VESA compatible
- 1 year warranty

ECO-FRIENDLY - LOW ENERGY CONSUMPTION
GREENER THAN LCDs

Specifications	M19LED	M215LED
Composite Output	BNC 1	
Composite Input	BNC 1	
Single Connector	VGA x 1, RCA x 2, PC Audio x 1, HDMI x 1	
Speaker	1W+1W	
Display Mode	VGA / BNC / PC / HDMI	
AC Power	AC 100 - 240V 50/60Hz	
Operating Temperature	14° F – 122° F	
Storage Temperature	-4° F – 140° F	
Power Consumption	20W	25W
OSD Control	HDMI, VGA, Audio, PIP, System	
OSD Languages	English	
Auto Adjustment	Yes	
De-interlace	Yes	
Wall Mount	Optional	
Accessories	Remote, Adaptor, Power Cord, Manual, VGA cable, PC Audio Cable	
Safety	FCC, CE, RoHS	
Tilt	10° – 15°	
Humidity	20% – 85%	
Monitor Scan	Microprocessor controlled	
Pixel Pitch	0.24825 (H) x 0.24825 (V)	
Pixel Format	1920 x 1080	
Response Time	5ms	
Color Depth	16.7 million colors	
Viewing Angle	Left 85° / Right 85° / Up 80° / Down 80° CR > 10	
Display Area	16.13” (H) x 9.07” (V)	18.41” (H) x 10.56” (W)
Dimensions	17.44” (W) x 13.70” (H) x 2.17” (D)	20.31” (W) x 16.20” (H) x 2.38” (D)
Weight	6.17 lbs.	7.94 lbs.



M215LED



M19LED

Optional Accessory

LCDVLW2
10” Extension Arm

HDMI®

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Color LED Flat-Panel Monitor

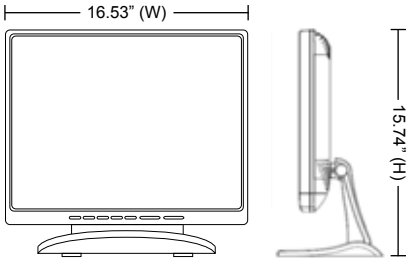
M17VLED 17” LED monitor

M19VLED 19” LED monitor

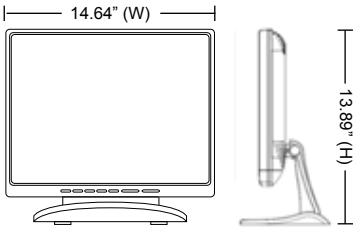
Features

- Flat-panel LED - backlit LCD
- VGA (D-Sub 15 pins) and BNC video inputs
- 1280 x 1024 max. resolution
- Built-in speakers
- Convenient front controls for screen programming
- Input signal detection provides easy connection
- 290cd/m2 brightness
- 4:3 display ratio
- 800:1 contrast ratio
- Displays up to 16.7 million colors
- Regulated 12VDC 5.0 amp (UL & CSA listed power supply included)
- VESA compatible
- 1 year warranty

Specifications	M17VLED	M19VLED
Composite Output	BNC 1	
Composite Input	BNC 1	
Single Connector	VGA x 1, RCA x 2, PC Audio x 1	
Speaker	1W+1W	
Display Mode	VGA / BNC / PC / S-Video	
AC Power	AC 100 - 240V 50/60Hz	
Operating Temperature	14° F – 122° F	
Storage Temperature	-4° F – 140° F	
Power Consumption	25W	
OSD Control	VGA, Audio, PIP, System	
OSD Languages	English	
Auto Adjustment	Yes	
De-interlace	Yes	
Wall Mount	Optional	
Accessories	Adaptor, Power Cord, Manual, VGA cable, PC Audio Cable	
Safety	FCC, CE, RoHS	
Tilt	10° – 15°	
Humidity	20% – 85%	
Monitor Scan	Microprocessor controlled	
Pixel Pitch	0.264mm	0.294mm
Pixel Format	1280 x 1024	
Response Time	5ms	
Color Depth	16.7 million colors	
Viewing Angle	Left 80° / Right 80° / Up 80° / Down 80°	Left 85° / Right 85° / Up 85° / Down 85°
Display Area	13.31” (H) x 10.64” (V)	14.82” (H) x 11.85” (W)
Dimensions	14.64” (W) x 13.89” (H)	16.53” (W) x 15.74” (H)
Weight	7 lbs.	8 lbs.



M19VLED



M17VLED

Optional Accessory

LCDVLW2
10” Extension Arm

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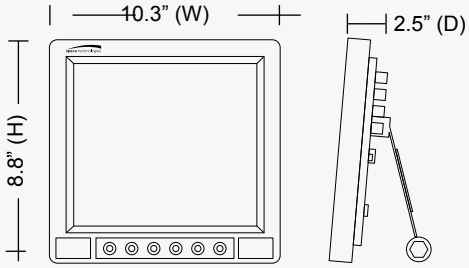
10” High Resolution TFT Color LCD VGA Monitor with Remote Control

VM10LCD



Features

- Professional TFT LCD for surveillance with multiple connections
- Picture-In-Picture feature that allows multi-picture display (in VGA mode)
- High brightness level and contrast ratio with super wide viewing angle
- Built-in 3D comb filter and 3D de-interlace for display picture performance
- Fast response time and refresh rate
- Multi-language support
- Input signal detection provides easy connection
- VESA compatible
- 1 year warranty

Specifications

Panel Size .....10.4”
Aspect Ratio 4:3
Resolution/Scan .....640 x 480
Brightness.....350 cd/m2
Contract Ratio.....300:1
Viewing Angle (H/V) .....Left 70° / Right 70° / Up 40° / Down 70°
Response Time.....6ms (typ.)
Sync. Format .....NTSC
Frequency (Horizontal) .....PC: 31.5K
Frequency (Vertical) .....PC: 60Hz - 75Hz, Video: 50 / 60Hz
Video Interface .....D-SUB VGA In x 1, Video In x 2 (BNC), Video Out x 2 (BNC), S-Video In x 1
Audio Interface .....In x 2, Audio Out x 2, PC-Audio In x 1
Input Power .....DC In x 1
Termination.....75 Ohm (auto termination)
Built-In Speakers .....Yes (2pcs)
Front Panel Button.....Power, Source, Up, Down, Menu, Auto
OSD Language.....Multi-language
VESA Mounting .....VESA 75mm x 75mm
Power Supply .....12VDC (power supply included)
Power Consumption .....17.2W max.
Operating Temperature/
Humidity.....14° F – 122° F / RH 20% – 80%
Dimensions.....10.3” (W) x 8.8” (H) x 2.5” (D)
Weight (net weight / gross weight) .....4 lbs. / 6.4 lbs.
Included Accessories.....Remote control

Optional Accessory

LCDULW2
10” Extension Arm

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5” High Resolution TFT Color LCD Monitor with Remote Control

VM5LCD

Features

Our 5 inch high resolution TFT flat screen LCD monitor offers convenient on-screen display controls located on the front panel; including controls for brightness, contrast, hue, color, vertical/horizontal positioning and volume. It also features audio with front mounted speakers and input signal detection provides for easy connection. 12VDC power supply and A/V cable are included.

- 1 year warranty

Specifications

Screen Size ..... 5”
Aspect Ratio 4:3
Resolution/Scan ..... 640 x 480
Brightness..... 350 cd/m2
Contrast Ratio..... 250:1
Inputs..... 1 S video, 2 RCA
Audio Input ..... 2 RCA
Power Supply ..... 12VDC (power supply included)
Dimensions..... 6.5” (W) x 4.5 (H)
Weight ..... 1 lb.
Base ..... 2”

Spec Rev. 10/10/11

Portable CCTV Installation & Testing Monitor

VMS2

Features

- LCD display easily allows for checking the video signal of the CCTV camera being tested
- An audio jack tests the audio signal
- Built-in rechargeable battery has a life of 4 hours
- An LED light displays low battery level
- Visor blocks out sunglare on the LCD display
- The heavy duty casing, durable handle and shoulder belt (included) make this unit conveniently portable
- 1 year warranty

Specifications

Resolution..... 480 x 234
Brightness 350cd
Input Video Signal ..... 1.0Vp-p (sync., negative) termination 75 Ohm
LCD Technology ..... TFT active matrix
Display Size ..... 4”
Contrast Ration..... 250:1
View Angle..... L/R ±45° U/D:10°/30°
Audio Input ..... 30 mVp-p – 100 mVp-p
Audio Output..... 0.5W max
Charging Time ..... 8 hours charging time, 4 hours operating time
Video/Audio Connector..... RCA W/BNC plug adapter
Power Consumption 4.5W
Rechargeable Battery 12V.1.1AH
Power Supply ..... 12VDC (power supply included)
Dimensions ..... 6” (W) x 5.1” (H) x 3” (D)
Weight ..... 4.3 lbs.
Extra battery available..... BVMS2

Spec Rev. 10/7/11

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4, 9 or 16 Channel Color Duplex Multiplexer

RMX4CD View up to 4 image sources on one screen while simultaneously recording full screen images on a DVR or VCR

RMX9CD View up to 9 image sources on one screen while simultaneously recording full screen images on a DVR or VCR

RMX16CD View up to 16 image sources on one screen while simultaneously recording full screen images on a DVR or VCR

Features

- Full-screen and multi-screen viewing options are available during VCR playback
- Uniquely programmable for recording between 2 - 999 hours
- Built-in time/date generator
- 8 Character camera title function
- Video loss alert and alarm detection are structured
- Compatible with all standard time lapse VCRs and most DVRs

17” (W) x 9.75” (D)

1.75” (H)

Specifications

Camera Inputs	RMX4 - BNC, 4, RMX9 - BNC, 9, RMX16 - BNC, 16, composite video 1.0Vp-p 75 ohms
Adjustable Program Recording	2-999 hours-accepts trigger pulses from VCRs & DVRs
Alarm Functions	Video loss alert and alarm detection with up to 100 record
Alarm Inputs	RMX4 - 4 (TTL level), RMX9 - 9 (TTL level), RMX16 - 16 (TTL level)
Alarm Output	1, Normally open or closed (relay output) contacts with shared common
Compatibility	Compatible with all standard and time lapse VCRs and most DVRs
Looping Camera Outputs	RMX4 -BNC, 4, RMX9 - BNC, 9, RMX16 - BNC 16, composite video 1.0Vp-p 75 ohms
Maximum Image Sources	RMX4 - 4 on one screen, RMX9 - 9 on one screen, RMX16 - 16 on one screen
Monitor Output	BNC, 3, composite video 1.0Vp-p 75 ohms
Other Features	Built-in time and date generator with 8 character camera title function
Playback Input	BNC, 1, composite video 1.0Vp-p 75 ohms
Power Consumption	Maximum 9 watts
Power Source	12VDC, 1.2 amp included
Recovery Output	1 (TTL active low)
RS-232 Interface	D-SUB 25 pin female connector
Switch Input	BNC, 1 (TTL level)
VCR Output	BNC, 1, composite video 1.0Vp-p 75 ohms
Viewing Options	Full screen, multi-screen or sequential switching with adjustable dwell time
Dimensions	1.75” (H) x 17” (W) x 9.75” (D)
Weight	5 lbs. 8 oz. net

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UL Listed 12VDC CCTV Camera Power Supply

P4W5DUL 4 Channel 12VDC Power Supply with 5A Output
P9W10DUL 9 Channel 12VDC Power Supply with 10A Output

Features

- UL listed
- 12VDC fused output for 4 or 9 cameras
- More than 1A per channel output
- Individual PTC auto reset fuse for each output
- Individual LED status indicator for each output
- Main power switch with surge protection
- 5 year warranty

Specifications

Fuse Type.....4 ch PTC 1.6A / 60V
9 ch PTC 1.3A / 60V
Input .....3 pin AC socket
Output.....12VDC output
Power Requirement .....4 ch. 110VAC, 50 / 60Hz
9 ch. 110VAC, 50 / 60Hz

Operating Temperature/
Humidity .....32° F – 104° F / RH 20% – 90%
Storage Temperature .....-4° F – 140° F
Dimensions .....8" (W) x 9.5" (H) x 3.25" (D)
Weight .....4.5 lbs.

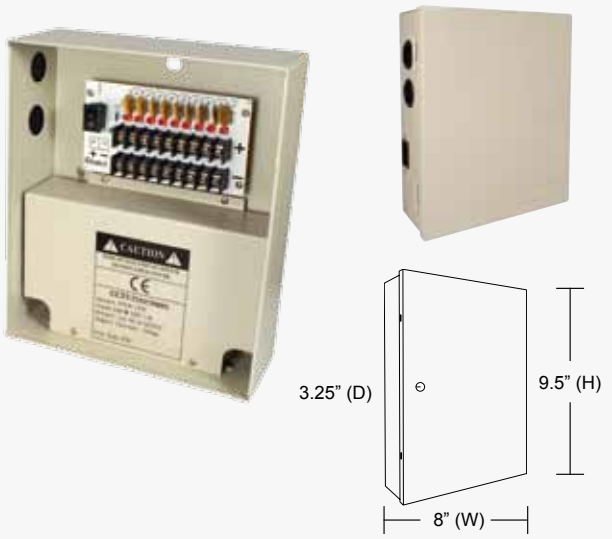
Spec Rev. 3/19/14

12VDC CCTV Camera Power Supply

P4W5D 4 Channel 12VDC Power Supply with 5A Output
P9W10D 9 Channel 12VDC Power Supply with 10A Output

Features

- 12VDC fused output for 4 or 9 cameras
- More than 1A per channel output
- Individual PTC auto reset fuse for each output
- Individual LED status indicator for each output
- Main power switch with surge protection
- 5 year warranty



Specifications

Fuse Type.....4 ch PTC 1.6A / 60V
9 ch PTC 1.3A / 60V
Input.....3 pin AC socket
Output.....12VDC output
Power Requirement.....4 ch. 110VAC, 50 / 60Hz
9 ch. 110VAC, 50 / 60Hz

Operating Temperature/
Humidity.....32° F – 104° F / RH 20% –90%
Storage Temperature.....-4° F – 140° F
Dimensions.....8" (W) x 9.5" (H) x 3.25" (D)
Weight .....4.5 lbs.

Spec Rev. 2/20/14

Standard HDMI Cables

HDVL3 3' **HDVL6** 6' **HDVL10** 10' **HDVL15** 15'

These cables are perfect for most basic HDMI needs such as connecting a monitor to a DVR.

Class 2 HDMI Cables

HDCL6 6' **HDCL10** 10' **HDCL15** 15' **HDCL25** 25' **HDCL50** 50'

These cables are certified Class 2 (CL2), meaning they are safe for in-wall use.

Flat HDMI Cables

HDFL3 3' **HDFL10** 10' **HDFL15** 15'

These flat-designed HDMI cables are great for when you need to squeeze a cable through a cabinet door or other tight spot? have a non-standard setup or just want a unique looking cable.

Swivel HDMI Cables

HDSW3 3' **HDSW10** 10' **HDSW15** 15'

Swivel cables are ideal if you are trying to connect devices near the maximum length of your cable. These cables come with a connector capable of swiveling 360 degrees around and 180 degrees up and down.

HDMI to HDMI Adaptors

HDF2F3SCP
Female to female HDMI 360 swivel adaptor

HDF2FCP
Female to female HDMI adaptor

HDM2F3SCP
Male to female HDMI 360 swivel adaptor

HDM2FSW.5
6" male to female HDMI swivel adaptor

Features

These adaptors are used to couple HDMI cables together or to protect your HDMI inputs by adding a flexible connection.

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HDF2F3SCP

HDF2FCP

HDM2F3SCP

HDM2FSW.5

Component Video and Audio to HDMI Converter

COMHDMI

Features

- Converts component video (YPbPr) and stereo or digital (SPDIF) audio to HDMI display
- Built-in local component video loop output with stereo/digital audio
- Encodes analog stereo audio or digital audio onto the video signal for HDMI audio and video

rear of unit

VGA and Audio to HDMI Converter

VGAHDMI

Features

- Converts VGA and stereo or digital (SPDIF) audio to HDMI display
- Built-in local VGA loop output with stereo/digital audio
- Encodes analog stereo audio or digital audio onto the video signal for HDMI audio and video

rear of unit

2-Cable HDMI Extender

HDXTNDR

Features

- Extends an HDMI signal up to 100' using two Cat5e or Cat6 cables
- Supports resolutions up to and including 1080p or 1920x1080 on pass through

rear of unit

Spec Rev. 2/18/14

4 to 2 HDMI Matrix

HD4MAT

Features

- Supports 3D HDMI signals
- Supports resolutions up to and including 1080p
- Supports DTS/Dolby/DTS-HD/Dolby True HD/LPCM7.1/AC3
- Supports HDCP 1.2
- Supports simultaneous digital audio output: Stereo, Toslink and Coax
- Includes IR remote control

rear of unit

Spec Rev. 2/18/14

HDMI Splitter

HD2SPL HDMI 1 to 2 splitter

HD4SPL HDMI 1 to 4 splitter

Features

- Takes a single HDMI source and divides it into 2 (HDMI2SPL) or 4 (HDMI4SPL) monitors or televisions
- Supports 3D HDMI signals
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA, and 480i to 1080p
- Supports DTS/Dolby/DTS-HD/Dolby True HD/LPCM7.1/AC3
- Supports HDCP 1.2

HD2SPL

rear of unit

HD4SPL

rear of unit

Spec Rev. 2/18/14

5 to 1 HDMI Switch

HD5SWT Switches are used when you have multiple HDMI sources, such as DVRs, and only have one monitor to view them on.

Features

- Allows one HDMI display to rotate between 5 HDMI devices
- Supports 3D HDMI signals
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA, and 480i to 1080p
- Supports DTS/Dolby/DTS-HD/Dolby True HD/LPCM7.1/AC3
- Includes IR remote control

rear of unit

Spec Rev. 2/18/14

5-Port 10/100 Ethernet Switch with 4 PoE Ports
POE4SW

- Network Protocol and Standards:
  IEEE 802.3 10BASE-T ethernet
  IEEE 802.3u 100BASE-TX fast ethernet
  IEEE 802.3x full duplex flow control
  IEEE 802.3af power over ethernet
- Network Cables:
  10BASE-T: 2-pair UTP Cat3, 4, 5 up to 328'
  100BASE-TX: 2-pair UTP Cat5, 5e up to 328'
- Interface Ports:
  5 10/100Mbps auto MDIX RJ-45 (4 PoE ports)
- PoE power on RJ-45:
  Power (-): pin 1 & pin 2
  Power (+): pin 3 & pin 6
- 110VAC to 240VAC (power adaptor included)

Spec Rev. 2/7/14

PoE/LAN Repeater
IPPOERPT

- Extends both power and data 330' per repeater
- Purchase a second repeater for a total run of 1000'
- No external power required
- Compatible with the 802.3af standard
- Supports gigabit network speeds
- Built-in LED status indicator
- Plug and play for easy installation

PoE Injectors
IPPOEINJ1295 12.95W
IPPOEINJ25 25W

- Supports 10/100/1000 BASE-T transmission rate
- Power input LED indicators
- Functional to 325' (100M)
- Power cord included

IPPOEINJ1295
- 802.3af injector (12.95W)
- Provides DC48V power over RJ45 Ethernet cable to device with Ethernet port
- Pair with optional IPPOESPL1295 splitter

IPPOEINJ25
- 802.3at injector (25W)
- Provides DC56V power over RJ45 Ethernet cable to device with Ethernet port
- Pair with optional IPPOESPL25 splitter

PoE Splitters
IPPOESPL1295 12.95W
IPPOESPL25 25W

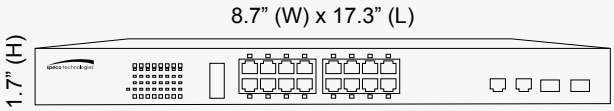
- Supports 10/100/1000 BASE-T transmission rate
- Power input LED indicators
- Functional to 325' (100M)

IPPOESPL1295
- 802.3af splitter (12.95W)
- Splits the DC48V power over RJ45 Ethernet cable into 5V (1.8A) or 12V (1A) power
- Pair with optional IPPOEINJ1295 injector

IPPOESPL25
- 802.3at splitter (25W)
- Splits the DC56V power over RJ45 Ethernet cable into 5V (3.6A) or 12V (1.8A) power
- Pair with optional IPPOEINJ25 injector

18-Port Switch with 16-Port PoE

POE16SW18



Features

- 1U, 19” metal casing
- 16 10/100Mbps RJ-45 w/PoE/PSE ports
- 2 combo Gigabit UTP/SFP uplink ports
- Max. 30W power per PoE/PSE port, with total power budget of 230W
- Complies with IEEE 802.3u 100Base-TX, IEEE 802.x flow control, 802.3az Green Ethernet, IEEE 802.3at and backwards compatible with IEEE 802.3af
- 200Mbps transmission speed in full-duplex mode
- Smart plug & play
- Auto-learning networking configurations
- Flow control: back pressure in half-duplex and IEEE 802.3x in full-duplex
- Broadcast storm control
- Store and Forward
- 4K MAC table
- 1.25M Bytes memory buffer
- Filtering/Forwarding rate: 100Mbps/ 148,800bps; 10Mbps/ 14,880bps
- Supports packet length 1600 bytes
- Status LEDs: System Power, Link/ Activity, and PoE/PSE

Specifications

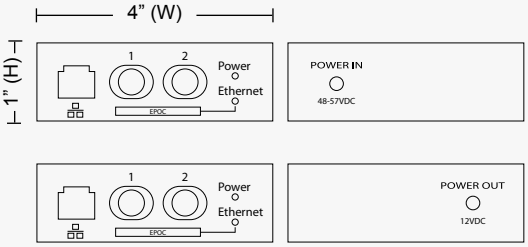
Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3X IEEE 802.3at and backward compatible with IEEE 802.3af
Number of Ports	16 10/100BaseT RJ-45 connectors with 16 PSE RJ-45 connectors 2 combo UTP/SFP Gigabit uplink ports
Data Transfer Rate	Ethernet: 10Mbps/Half-Duplex, 20Mbps/Full-Duplex Fast Ethernet: 100Mbps/Half-Duplex, 200Mbps/Full-Duplex
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP
LED Indicators	Per Port: Link/Act, PoE Per Unit: System Power
Power Input	AC input (90~260V/AC, 50~60Hz); PoE+ output 48VDC @0.6A
Power Output	48VDC per port output – 30W max. per port
Power Consumption	20W
Power Supply	230W (AC cord included)
Dimensions	17.3”(L) x 8.7”(W) x 1.7”(H)
Weight	7.7 lbs.
Operating Temperature	32° F – 104° F
Storage Temperature	-4° F – 194° F
Humidity	10% – 90% RH (non-condensing)
Certifications	FCC Class A, CE

Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/30/15

Ethernet and Power Over Coax Adapter Kit

EPCOAX

One transmitter unit (IPC)
One receiver unit (SV)
Power supply



Features

- Use Coaxial cable to transmit power and Ethernet data.
- Maximum transmission distance up to 3200' (2km).
- Network delay less than 1ms
- Loop circuit mode feature means that if there is a breakdown in the circuit, system can still function normally
- Meets MIT rack installation standard
- Supports resolutions up to 1080p
- Optional rack mount available to mount up to 16 units together on a rack: EPRACK

Specifications

Maximum Transmission Distance	Up to 3200' (2km) via RG59 cable; Transmission distance decreases with higher resolutions and smaller gauge wire.
LED Status Indicators	Power (Red) PoE/Data Ethernet (Green) Network Ethernet (Green to indicate connection, yellow to indicate activity)
Protection	ESD (Contact and Air Discharge Level 3)
Operating Temperature	32° F – 131° F
Storage Temperature	-40° F – 185° F
Operating Humidity	0% – 95% RH
Dimensions	4" (W) x 1" (H) x 3.25" (L)
Weight	6.4 oz. each (transmitter and receiver)

Optional Accessory

EPRACK
Rack Mount

Speco Technologies is constantly developing and improving products.
We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 2/6/15

Audio Cat5 Extender
UTPAUDIO

Features
- Gold-plated RCA female to terminal connection
- High performance to prevent or eliminate ground loop issues
- No Power Required
- Sold and used in pairs to send an audio signal up to 1 mile, via Cat5 UTP cable

Stereo/Mini-Stereo Audio Cat5 Extender
STRXTNDR

Features
- Dual gold-plated RCA female to RJ45 connection, or 3.5mm mini “headphone” jack (selectable via switch) to RJ45
- High performance to prevent or eliminate ground loop issues
- No power required
- Sold and used in pairs to send an audio signal up to 2000’, via Cat5 UTP cable

Composite Video & Audio Cat5 Extender
COMXTNDR

Features
- Three RCA female (Yellow=Video, Red & White=Audio) to RJ45 Connection
- No power required
- Sold and used in pairs to send a video and audio signal up to 1000’, via Cat5 UTP cable
- 2-way audio transmission and one-way video transmission

Line Level Microphone
CAMMIC

Features
- High-sensitivity condenser microphone with 1.5’ power/audio cables
- Line level output
- Omni-directional
- 12VDC operation (power supply not included)

IR Repeater Kit
IRRPTKIT

Features
- Kit Includes:
  - 1x IR hub
  - 1x 10’ cable with dual-sensor IR emitter
  - 1x 10’ cable with IR transmitter
  - 1x 12VDC, 200mA power supply
- IR hub has one transmitter input, and two emitter outputs

IR Emitter
AIE

Features
- 12’ cable with single-sensor IR emitter
- For transmitting IR commands to source units
- For use with IRRPTKIT or other devices that contain IR pass-through capability and have 3.5mm connections

RF Modulator
RFM1A

Features
- Coverts audio and video signals from composite CCTV cameras, computers, portable VCRs, etc. into a VHF TV signal to view on any regular older-model TV set utilizing the antenna input
- Converts a composite video signal to an NTSC RF signal
- Includes selector switch to broadcast on channel 3 or 4

RS232 to RS485 Converter
RS232485CPR

Features
- Converts RS232 signals into RS485
- Up to 3900’ range
- Passive operation – no power required
- Two wire, differential signals, half duplex
- Up to 32 units can be connected together in a RS485 multidrop operation
- Sold in pairs

VGA to BNC Converter
VGABNC

rear of unit

- Connects VGA output to existing TV or CRT monitor
- On-screen display
- Simple and quick to install
- VGA output port for loop-through
- Windows and Mac® compatible
- Power: 5VDC (included)
- Image controls:
  - Horizontal and vertical size
  - Brightness - Contrast
  - Hue (NTSC systems only)
  - Saturation - Flick
  - Sharpness

BNC to VGA Converter
BNCVGAHR

Features

- Allows BNC composite video output to be viewed on a VGA monitor CRT or LCD)
- On-screen display
- BNC output for loop-through
- Windows and Mac® compatible
- Power: 5VDC (included)
- Image controls:
  - Brightness - Contrast
  - Saturation - Hue
  - Sharpness - Resolution

1 Input to 4 Outputs BNC Splitter
VIDDIST

- Allows a single camera, multiplexer, DVR, etc. with BNC composite connections to be displayed on up to 4 monitors
- Operates with color or black & white signals
- Power: 12VDC (included)

rear of unit

Coaxial Impedance Adaptor
VIDDVR

Features

- BNC Male to BNC female with 7.5” pigtail on each end
- Designed to give the DVR immunity from interference
- Utilizes a highly balanced mode of video transmission which is immune to interference from sources of noise: data signals, other video signals, nearby power, land-based telephones, fluorescent lights, transformers and more
- May require more than one balun to eliminate interference, depending on cause, location of camera, location of DVR, etc.

Passive Baluns
MVTBNCSCR, MVTBNCSCRPTL, VIDUTP

Features

- Allows the use of UTP Cat5 cabling, a more flexible cable style, for quicker installations
- Transmits a black & white signal up to 1900’ and a color signal up to 980’, via Cat5 UTP
- Connections: - VIDUTP, MVTBNCSCR: Screw terminal to BNC
  - MVTBNCSCRPTL: Screw terminal to 4” pigtail BNC
- No power required
- VIDUTP is sold in pairs, MVTBNCSCR is sold in packs of 10, MVTBNCSCRPTL is sold individually
- VIDUTP – 1” (W) x 0.8” (H) x 2.5” (L)
- MVTBNCSCR – 0.6” (H) x 0.6” (W) x 1.95” (L)
- MVTBNCSCRPTL – 0.6” (H) x 0.6” (W) x 1.95” (L) + 4” Pigtail

MVTBNCSCRPTL

MVTBNCSCR

VIDUTP

4 Input to 4 Output Video Amplifier
VID4AMP

Features

- Allows four individual cameras to be transmitted to 4 individual monitors or a single DVR with multiple inputs
- Wide bandwidth, video gain compensation amplification
- HF compensation
- 10dB adjustable image gain
- Sharpness and brightness adjustment
- Power: 12VDC (Included)

Coaxial Ground Loop Isolator
VIDGL

Features

- Protects against the symptoms of ground loop in an installation
- BNC Male to BNC female with mini-cable on both sides
- Built-in TVS (Transient Voltage Suppressors) for surge protection
- Prevents from potential interference from nearby power lines
- No power required

Active Video/Audio/Data Transmission
UTP4A

Features

- Transmit video, audio and data signals over twisted pair up to 4900' for color signals or 7800' for BW
- System can be integrated with alarm sensor (PIR, magnetic, etc.) or to transmit data (pan, tilt, zoom controls)
- Includes transmitter and receiver
- Transmitter has: three position range switch for gain select
- Receiver has: five position distance range switch, brightness adjustment and two video outputs
- Built-in transient protection and ground-lifting
- This accessory should not be used on installations under 325'
- Power: 2 x 12VDC (included)

1 Input to 1 Output Video Amplifier
VIDAMP

Features

- Wide bandwidth, video gain compensationamplification
- HF compensation
- 10dB adjustable image gain
- Sharpness and brightness adjustment
- Power: 12VDC (included)

16-Port Passive Transceiver HUB
UTP16P

Features

- Allows four individual cameras to be transmitted to 4 individual monitors or a single DVR with multiple inputs
- Wide bandwidth, video gain compensation amplification
- HF compensation
- 10dB adjustable image gain
- Sharpness and brightness adjustment
- Power: 12VDC (Included)

rear of unit

16-Port Active Receiver Hub
UTP16AR

Features

- Transmit video signals up to 4900' in conjunction with one of the following Speco passive baluns: MVTBNCSCR, MVTBNCSCRPTL, UTPPTAIL, VIDUTP, Range can be extended to a total of 6500' if used with third-party active balun
- 1U Rack-mountable (hardware included)
- Utilizes a highly balanced mode of video transmission for extra interference immunity
- Provides auto-gain control to help ensure picture quality
- Built-in transient protection
- Also available in 4-port model: UTP4AR
- Power: 12VDC (included)

rear of unit

Video Transceiver with 10” BNC Cable
UTPPTAIL

Features

- BNC male to terminal block
- Transmits a full-color video signal up to 980’
- Rated IP65 for outdoor use
- Constructed with a highly balanced mode of video transmission which is immune to interference from sources of noise such as: data signals, other video signals, nearby power, ringing telephones, fluorescent lights, transformers, etc.
- No power required

Twisted Pair Video Balun With Built-in Ground Loop Isolator
UTPGLPR

Features

- Protects against the symptoms of ground loop in an installation
- Built-in Video Balun transmits a full-motion monochrome signal up to 1900’ and a color signal up to 980’
- BNC Male to 2-pin terminal block
- Built-in TVS (Transient Voltage Suppressors) for surge protection
- Prevents from potential interference from nearby power lines
- No power required

IP Extender over Coax
IPRG59

Features

- Transmit IP video signals up to 650’ using coaxial cable
- Exceeds 802.3 10BaseT (10mbps) standard
- Sold in pairs
- Only used for signal transmission. Does not accommodate Power over Ethernet.

DVI Cat5 Extender
DVIXTNDR

Features

- Used in pairs via one Cat5e/6 cable to send DVI signal
- RJ45 female to DVI-D connector
- Transmit DVI video signals up to 220’
- DVI 1.1 compliant
- Supports resolutions up to 1920x1200
- Includes transmitter and receiver
- No external power required

VGA Extender Over Cat5
VGA135

Features

- Transmit VGA video signals up to 320’ using Cat5 cable
- Includes transmitter and receiver
- Built-in sync mode selection and sync filter level for signal stability
- Supports up to 1280x1024 resolution
- No power required

rear of unit

Power and Video Over Cat5e
VIDCAT2

Features

- Transmit both power and signal from a camera up to 600’ using a Cat5e cable
- Actual effective distance could vary factoring in voltage drop with the power requirements of the camera
- Compatible with current TIA-568 & TIA-570 structured Cat5 cabling standards
- Includes transmitter and receiver
- Connects to Cat5e through the use of a 6-pin terminal connector
- Add your own 12VDC power supply (not included)
- Works with any baseband signal (not just cameras)

VGA Long Range Distribution Over Cat5

VGADISTK2 Extend 1 source to 1 VGA Monitor with a VGA loopout for local viewing
VGADISTK5 Extend 1 source to 4 VGA Monitors with a VGA loopout for local viewing
VGAR Active Long Range VGA Receiver

Features

- Extends a VGA video signal up to 980' using a Cat5 cable
- Supports up to 1600x1200@85Hz
- VGADISTK2 and VGADISTK5 include a loop output for local viewing
- Built-in Contrast and brightness adjustment at receiver
- Both VGADISTK2 and VGADISTK5 include one VGAR active receiver
- VGADISTK5 requires the purchase of an additional VGAR for each additional monitor, up to 3 more
- Power: Each component requires a 5VDC power supply (included)

VGA / PS/2 Extender Over Cat5

KVMPC2

Features

- Transmit VGA video signals up to 320' using Cat5 cable
- Can also extend data from PS/2 mouse and keyboard using an additional Cat5 cable
- Includes transmitter and receiver
- Built-in sync mode selection and sync filter level for signal stability
- Supports up to 1280x1024 resolution
- No power required

PS/2 to USB Keyboard/Mouse Extender Over Cat5

KMUSB

Features

- Transmit mouse and keyboard signals up to 320' using Cat5 cable
- Local unit has USB to RJ45 connectors, remote unit has PS/2 to RJ45 connectors.
- Includes transmitter and receiver
- No power required

AC to DC converter

VID2412CONV

Features

- Regulated 12VDC output @ 500mA
- Voltage input via 2-pin terminal block
- Accepts 15 – 26VAC and converts it to 12VDC
- Accepts 15 – 28 VDC and converts it to 12VDC
- 12VDC output via 2.4 coaxial female power connection

USB Power Loss Detector

USBPL1

Features

- Male USB connector to plug directly into your device

DC Plug to Terminal Block

DCPLGBLOK DC Female to Terminal Block
DCPLGBLOKM DC Male to Terminal Block

Features

- Compact, to fit into tight spaces
- 2.1mm DC plug
- Sold in packs of 10

SURGE PROTECTORS COMMON SPECIFICATIONS

- Protect equipment from high voltage surges from nearby lightning strikes
- Two stage protection: under 1ns-90V, over 10ns-12V
- Surge Protection Attack Time: 1 ns
- Maximum Surge Current: 4 KV
- Surge Life: 300 surges of 100 Amps
- Power Passing Capability: 130V AC/DC, 65 Vrms at 10 Amps
- 2 year warranty

Video & Power Surge Protector
SPVP

Features

- 3-pin terminal (± /Ground) to 2-pin terminal (±) for power
- BNC male to BNC female for Video

UTP Video/Data Surge Protector
SPUTPVD

Features

- Screw terminal to screw terminal connection
- Max power input: AC 40V, DC 56V
- Two-stage protection: AC/DC 130V, AC/DC 12V

Network Surge Protector
SPIP

Features

- RJ45 to RJ45 connection
- Four pair protection
- Sold in pairs to protect expensive equipment at both ends of run

Coaxial Video Surge Protector
SPCOAX

Features

- BNC male to BNC female for video
- Hi frequency for both CCTV and CATV use
- Two-Stage Protection: AC/DC 130V, AC/DC 12V
- Dimensions: 1” (W) x 1” (H) x 3.2” (L)

PoE Surge Protector
SPPOE

Features

- RJ45 to RJ45 connection
- 802.3af compatible
- Works with both midspans and endspans/switches
- Power and signal line protection
- Sold in pairs to protect expensive equipment at both ends of run

SPCAVA60

Alert Series 60 Watt P.A. Horn with Built-In LED Strobe Flasher

Features

- Frequency Response: 200Hz – 15,000Hz
- Max. Power: 60W
- Impedance: 8 Ohms
- Dimensions: 8" (W) x 9.25" (L) x 4.5" (H)
- ABS Plastic

for use with
Digital Deterrent®
Audio For Security or Retail Applications

DIGITAL DETERRENT

Prevent crime, don't just record it!
A unique bright, blinking LED strobe will activate when the Digital Deterrent® notification from your Speco Technologies DVR has been triggered.

DVR AUDIO ACCESSORY KITS

ALL KITS ARE DESIGNED FOR USE WITH SPECO TECHNOLOGIES DVRS

Digital Deterrent® Audio Kits*

DON'T JUST RECORD CRIME, PREVENT IT!

2-Way Audio Kits**

COMMUNICATE WITH REMOTE SUBJECTS THROUGH THE CLOUD!

Dome Flush Mount Kit
DFM

Features

The DFM Dome Flush Mount Kit allows select Speco Technologies dome cameras to be flush mounted into walls and ceilings. Give your customers the designer look they desire.

- Back box easily flush mounts into hollow walls and ceilings.
- Flush mount box is secured with the use of four retaining clamps.
- Perfect for existing construction.
- Preconfigured to fit several types of Speco tamperproof and indoor dome cameras.
- Contains two different size Chameleon Cover™ decorator rings for a finished look.
- Rings can be painted to match any décor before installation.
- Built-in loop allows the installer to secure the DFM with a safety strap.
- Installation template included.

Compatible with the following Speco Technologies dome camera models:

CVC6146H	HT649H	HT7247iHR	WDRD21H
CVC6146SCS	HT670H	HT7248FFi	HTD10XH
CVC6146SCSFF	HT671H	HT7250iHR	
CVC6146SCSFFW	HT672H	HT7250H	
CVC6246iHR	HT7246iHR	WDRD10H	
CVC6246H	HT7246H	WDRD11H	
HT648H	HT7247H	WDRD20H	

Weather Resistant Heavy Duty Camera Housing

VCH400HBMT Housing, heater, blower & bracket
VCH400MT Housing & bracket only

Features

- Ivory housing color
- Rust proof hardware
- Housing with heater, blower, & bracket (VCH400HBMT only)
- Housing dimensions: 15.25” (L) x 5.5” (L) x 4” (H)
- Bracket dimensions: 11.5” (L) x 3.25” (L) x 4” (H)
- 24VAC power supply (power supply not included)
- 1 year warranty

Optional Accessory

PSW4
24VAC
Power Supply

Compatible with the following Speco Technologies traditional camera models:

HTINTT5	VLINTT5
HTINTT5H	WDRT6
HCLR07L0G	VL611C

16 Gauge Steel Lock Box
LB1

Features

- For desktop DVR or VCR units measuring up to 21” (W) x 21” (L) x 8” (H)
- Extra security for DVRs/VCRs
- Cooling fan
- Includes power supply and cord
- 1 year warranty

rear of unit

DVR Lock Box
LB3

Features

- Rack mountable on 2 or 4 posts with a 3 RU overall height
- Interlocking lift off lid
- Multiple vents with removable vent blockers for active or passive thermal management
- Single fan included with mounting location for a second fan
- Key locked hinged front door
- Black static resistant powder coat finish
- Interior dimensions - 17.2" W x 21" D x 5" H
- Product Weight: 24 lbs

TBAR / Wall / Ceiling / Mounts

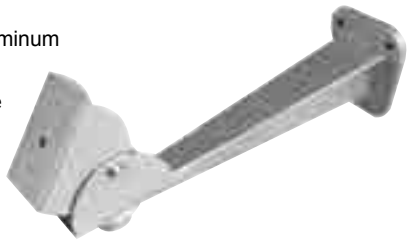
CSTTBAR

- All parts included to use as a T-Bar, Wall, Ceiling or Pedestal mount.
- Attaches to dropped ceilings
- 4" (L) x 1.5" (H)

CST175

- Heavy duty cast aluminum

Beige



CST115

- Black metal bracket
- 360º rotation
- Use with mini cameras
- Standard 1/4" thread
- 2.25" (H) x 1.75" (W)

6" Universal brackets in plastic or metal

CST125 black
CST125A almond

Plastic
6.375" (L) x 3.5" (H)

CST100

Metal
7" (L) x 1.75" (H)

CAMERA LENSES, CABLES, POWER SUPPLIES & ADAPTORS

We stock a complete line of lenses to fit all cameras. All lenses are CS mount unless specified.
Note: All CS lenses can be used on CS mount with adaptor ring

CS VARIFOCAL LENSES			
VF3.58	3.5-8mm F1.4	Manual Iris	-
VF3.58DC	3.5-8mm F1.4	DC Auto Iris	4 Pin Connector
VF2.812	2.8-12mm F1.4	Manual Iris	-
VF2.812DC	2.8-12mm F1.4	DC Auto Iris	4 Pin Connector
VF660DC	6-60mm F1.6	DC Auto Iris	4 Pin Connector
VF5100DC	5-100mm F1.8	DC Auto Iris	4 Pin Connector
CS FIXED LENSES			
CL8	8mm F1.3	No Iris	-
CL16	16mm F1.6	No Iris	-
CSAR1	CS Mount Adapter Ring	-	-
MEGAPIXEL LENSES			
VFMP2.2812	2.8-12mm	Manual Iris	-
VFMP2.2812DC	2.8-12mm	Auto Iris	-
LENS OPTIONS FOR COLOR & B/W BOARD CAMERAS			
CLB2.2	2.2mm Board Camera Lens		
CLB2.5	2.5mm Board Camera Lens		
CLB2.9	2.9mm Board Camera Lens		
CLB3.6	3.6mm Board Camera Lens		
CLB4	4mm Board Camera Lens		
CLB6	6mm Board Camera Lens		
CLB8	8mm Board Camera Lens		
CLB12	12mm Board Camera Lens		
CLB16	16mm Board Camera Lens		

POWER SUPPLIES	
PSW3	24VAC Power Supply, 20 Volt Amps Terminal Connections
PSW4	24VAC Power Supply, 50 Volt Amps Terminal Connections
PSW5	12VDC Power Supply, 1000ma, 1 Amp Center Positive

BNC Cables	
RG59	RG59U Coaxial Cable
BB3	3' Cable (BNC Male To BNC Male)
BB6	6' Cable (BNC Male To BNC Male)
BB12	12' Cable (BNC Male To BNC Male)
BB25	25' Cable (BNC Male To BNC Male)
BB50	50' Cable (BNC Male To BNC Male)

CCTV POWER/VIDEO EXTENSION CABLES Combines power & video signal in one multi-purpose cable	
BNC TO RCA	
CBL25	25' Power & Video Signal In One Cable
CBL50	50' Power & Video Signal In One Cable
CBL150	150' Power & Video Signal In One Cable
BNC TO BNC	
CBL25BB	25' Power & Video Signal In One Cable
CBL50BB	50'. Power & Video Signal In One Cable
CBL100BB	100' Power & Video Signal In One Cable
CBL150BB	150' Power & Video Signal In One Cable

PRODUCT INDEX

2WAK2 188
2WAK3 188
2WAK4 188
59PLATE 166
60PLATE 166
A
AIE 182
APT28DW 166
APT29DW 37,166
APT32DW 37,166
B
BB3 190
BB6 190
BB12 190
BB25 190
BB50 190
BNCVGAHR 183
C
C600VFSCS 157
CAMMIC 182
CBL25 190
CBL25BB 190
CBL50 190
CBL50BB 190
CBL100BB 190
CBL150 190
CBL150BB 190
CCLR13D1G 91
CCLR13D7G 91
CCLR13D8G 91
CCLR25D7W 115
CDD11HW 114
CEI32DW 166
CILT00T6B 96
CILT00T6W 96
CILT13D1G 90
CILT13D7G 90
CL8 190
CL16 190
CLB2.2 190
CLB2.5 190
CLB2.9 190
CLB3.6 190
CLB4 190
CLB6 190
CLB8 190
CLB12 190
CLB16 190
CLED32D1B 113
CLED32D1W 113
CLED32D7B 113
CLED32D7W 113
CLGMT37X 166
CLPR66B4B 132
CLPR67B4B 133
CM00TB,W 166
COMHDMI 178
COMXTNDR 182
COR32DW 37,166
CORMT37X 166
CPSD10X 166
CPTZ28D5W 117
CPTZ29D5W 100
CPTZ32D5W 101
CSAR1 190
CST100 190
CST115 190
CST125 190
CST125A 190
CST175 190
CSTTBAR 190
CVC61HRB 97
CVC61HRW 97
CVC61iLTB 96
CVC61iLTW 96
CVC75 162
CVC95AM 163
CVC130H 144
CVC320WP 143
CVC320WPW 143
CVC521BC 159
CVC521PH 159
CVC544BC2 159
CVC585RC 161
CVC605CM 160
CVC607CMTP 160
CVC617H 134
CVC620WPH 146
CVC622PH 145
CVC627MH 137
CVC637H 142
CVC637HW 142
CVC675 162
CVC691AMW 165
CVC695AM 163
CVC770PHSCS 158
CVC5100BPVF 129
CVC5100BPVFW 129
CVC5300DPVF 89
CVC5300DPVFW 89
CVC5825DNV 111
CVC6146H 108
CVC6146HW 108
CVC6146SCS 110
CVC6146SCSW 110
CVC6246H 104
CVC6246HW 104
CVC6246iHR 109
CVC6246iHRW 109
CVC638170 139
CVCJBB,W 37,166
CVCJBD,W 37,166
CVCWMTIND 166
CVCWM,W 166
D
D1BD 35
D4CX 60
D4VS 62
D4WVS 64
D4WVSM 64
D4WVSP 64
D4WVSPM 64
D8CX 60
D8DS 56
D8HS 50
D8VS 62
D8WDS 58
D8WDSM 58
D8WHS 52
D8WHSM 52
D8WVS 64
D8WVSM 64
D8WVSP 64
D8WVSPM 64
D12LX 54
D16CX 60
D16DS 56
D16HS 50
D16VS 62
D16WDS 58
D16WDSM 58
D16WHS 52
D16WHSM 52
D16WVS 64
D16WVSM 64
D20LX 54
DCPLGBLOK 186
DCPLGBLOKM 186
DDAK2 188
DDAK3 188
DDAK4 188
DFM 37,166,189
DFM29DW 166
DVIXTNDR 185
E
EPCOAX 181
H
HCLR07L0G 152
HD2SPL 178
HD4MAT 178
HD4SPL 178
HD5SWT 178
HDCL6 177
HDCL10 177
HDCL15 177
HDCL25 177
HDCL50 177
HDF2F3SCP 177
HDF2FCP 177
HDFL3 177
HDFL10 177
HDFL15 177
HDM2F3SCP 177
HDM2FSW.5 177
HDSW3 177
HDSW10 177
HDSW15 177
HDVL3 177
HDVL6 177
HDVL10 177
HDVL15 177
HDXTNDR 178
HINT13D7G 85
HINT13H 75
HINT71HG 93
HINT71HW 93
HINT72HG 93
HINT72HW 93
HINT600H 154
HINT600VH 154
HINT637H 140
HINT637HW 140
HINTMD1H 76
HLED33D1B 112
HLED33D1W 112
HLED33D7B 112
HLED33D7W 112
HT61iLHB 95
HT61iLHW 95
HT66iLHB 95
HT66iLHW 95
HT71HG 94
HT71HW 94
HT72HG 94
HT72HW 94
HT637H 141
HT637HW 141
HT648H 107
HT649H 107
HT670H 80
HT671H 80
HT672H 80
HT770PH 156
HT5940H 81
HT5940K 72
HT6040K 73
HT7040H 123
HT7040K 119
HT7042H 123
HT7048IRVF 130
HT7049IRVF 130
HT7246H 74
HT7246iHR 84
HT7247H 74
HT7247iHR 84
HT7248FFi 86
HT7250H 74
HT7250iHR 84
HTB10XH 125
HTB11FFi 127
HTB11FFiH 121
HTD8FFi 88
HTD10XH 83
HTINT40K 153
HTINT58K 103
HTINT58KW 103
HTINT59K 70
HTINT60K 71
HTINT61K 92
HTINT61KW 92
HTINT70K 118
HTINTB8 126
HTINTB8G 128
HTINTB8GW 128
HTINTB8H 120
HTINTB8HW 120
HTINTB8W 126
HTINTB9 126
HTINTB9H 120
HTINTB9HW 120
HTINTB9W 126
HTINTB10 126
HTINTB10G 128
HTINTB10GW 128
HTINTB10H 120
HTINTB10HW 120
HTINTB10W 126
HTINTD8 87
HTINTD8H 77
HTINTD8HW 77
HTINTD8W 87
HTINTD9 87
HTINTD9W 87
HTINTD10 87
HTINTD10W 87
HTINTT5H 149
HTMD1H 82
HTSD12X 102
HTSD28XH 99
HTSD37XH 99
I
INTCM,W 37,167
INTJBS,W 167
INTPM,W 37,167
INTWM,W 37,167
IPPOEINJ25 179
IPPOEINJ1295 179
IPPOERPT 179
IPPOESPL25 179
IPPOESPL1295 179
IPRG59 185
IR60 168
IR80 169
IR20024 170
IRRPTKIT 182
J
JB02DG,W 167
JB03TG,W 37,167
K
KMUSB 186
KVMPC2 186
L
LB1 189
LB3 189
M
M17VLED 172
M19LED 171
M19VLED 172
M215LED 171
MVTBNCSCR 183
MVTBNCSCRPTL 183
N
N4NS 40
N4NSL 48
N4NSP 38
N4WNS 42
N4WNSM 42
N4WNSP 42
N4WNSPM 42
N8NS 40
N8NSL 48
N8NSP 38
N8WNS 42
N8WNSM 42
N8WNSP 42
N8WNSPM 42
N16NS 40
N16NSF 38
N16WNS 42
N16WNSM 42
N16WNSP 42
N16WNSPM 42
O
O2B2 28
O2B5 30
O2B16 25
O2CM 37
O2D4 9
O2D5M 7
O2D7M 6
O2D10 4
O2D60M 8
O2DP8 23
O2DP8M 22
O2DP9 24
O2DP14 21
O2iB3M 26
O2iB6 27
O2iBD1 34
O2iD4M 5
O2iMD1 11
O2iMT61 12
O2iPH1 33
O2IR56B1 29
O2JBB 37
O2MB1 31
O2MB1W 31
O2MD1 15
O2MD1W 15
O2MD2 16
O2MD2W 16
O2MT61 17
O2MT61B 17
O2MTOH 37
O2P30 20
O2PWB 37
O2T6 32
O5MDP1 14
O5MDP1W 14
OADP4 37,167
OiD4 10
OiMD1 13
OiMD1W 13
OINT03D1G 18
OS102 35
P
P4W5D 176
P4W5DUL 176
P9W10D 176
P9W10DUL 176
PEN29DW 37,167
PEN32DW 167
PMA29DW 37,167
POE4SW 179
POE16SW18 180
POL28DW 37,167
POLMT37X 167
PSW3 190
PSW4 190
PSW5 190
R
RFM1A 182
RG59 190
RMX4CD 175
RMX9CD 175
RMX16CD 175
RS232485CPR 182
S
SecureGuard™ 68
SPCAVA60 188
SPCOAX 187
SPIP 187
SPPOE 187
SPUTPVD 187
SPVP 187
STRXTNDR 182
T
TC23 164
TC25VF 164
U
USBPL1 186
UTP4A 184
UTP16AR 184
UTP16P 184
UTPAUDIO 182
UTPGLPR 185
UTPPTAIL 185
V
VCH400HBMT 189
VCH400MT 189
VF2.812 190
VF2.812DC 190
VF3.58 190
VF3.58DC 190
VF660DC 190
VF5100DC 190
VFMP2.2812 190
VFMP2.2812DC 190
VGA135 185
VGABNC 183
VGADISTK2 186
VGADISTK5 186
VGAHDMI 178
VGAR 186
VID4AMP 184
VID2412CONV 186
VIDAMP 184
VIDCAT2 185
VIDDIST 183
VIDDVR 183
VIDGL 184
VIDUTP 183
VIP2PTZ12X 19
VL62 136
VL62W 136
VL66 135
VL66W 135
VL562SD 161
VL565PIR 165
VL572PIR 165
VL644H 116
VL644HW 116
VL7038IRVF 131
VL7039IRVF 131
VLEDB1HG 138
VLEDB1HW 138
VLEDB2HG 138
VLEDB2HW 138
VLEDT1HG 98
VLEDT1HW 98
VLEDT2HG 98
VLEDT2HW 98
VLINTT5 150
VM5LCD 174
VM10LCD 173
VMS2 174
W
WAC29DW 37,167
WDR705H 155
WDRB10H 122
WDRB11H 124
WDRD10H 78
WDRD11H 79
WDRD20H 106
WDRD21H 105
WDRD21HW 105
WDRT6 151
WMA29DW 37,167
WMSD10X 167
Z
ZIPKIT4D1 44
ZIPL8BD2 46
ZIPL84B2 46
ZIPL84D2 46
ZIPL88B2 46
ZIPL88D2 46

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