















	Box				Bullet	Fixed Dome			
									
Model	BC820	BC820MP5	BC820H1	BC620WDR	BL820M1IR	IFD820V1IR	FD820M1	FD820M1IR	CD820F1
Image sensor	1/2.7" CMOS	1/2.5" CMOS	1/2.7" CMOS	1/3" Pixim™ Seawolf	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens/mount	C/CS mount	C/CS mount	Integrated 18x optical zoom - AF	C/CS mount	3 - 9 mm, F1.2 motorized focus/zoom	3 - 9 mm, F1.2	3 - 9 mm, F1.2 motorized focus/zoom	3 - 9 mm, F1.2 motorized focus/zoom	4 mm, F1.5
Horizontal field of view (FOV)			65° to 3.8°		97° to 38°	97° to 38°	97° to 38°	97° to 38°	78°
Supported codecs	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Multi-streaming	Dual H.264 H.264/MJPEG	Dual H.264 H.264/MJPEG	Dual H.264 H.264/MJPEG	Dual H.264 + dual MPEG-4/MPEG-2/MJPEG	Dual H.264 H.264/MJPEG	Dual H.264 H.264/MJPEG	Dual H.264 H.264/MJPEG	Dual H.264 H.264/MJPEG	Dual H.264 H.264/MJPEG
D1 (720 x 480p)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HD (1280 x 720p)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Full HD (1920 x 1080p)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MP (2592 x 1944)		3MP - 20 fps; 5MP - 10 fps							
Alarm inputs/outputs	1/1	1/1	1/1	2/2	1/1	1/1	1/1	1/1	
Analog outputs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Audio (full duplex) 1/1	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Audio in
Integration protocols	ONVIF, OSA	ONVIF, OSA	ONVIF, OSA	ONVIF, OSA	ONVIF, OSA	ONVIF, OSA	ONVIF, OSA	ONVIF, OSA	ONVIF, OSA
Day and night (ICR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
IR illuminator					850 nm, 25 m	850 nm, 25 m		850 nm, 25 m	
Wide dynamic range	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VCA	VMD, tamper detection	VMD, tamper detection	VMD, tamper detection	VMD, IQM, tamper detection, AID/TDC (option)	VMD, tamper detection	VMD, tamper detection	VMD, tamper detection	VMD, tamper detection	VMD, tamper detection
Privacy mask	5	5	5	10	5	5	5	5	5
Power	12 VDC / 24 VAC / PoE	12 VDC / 24 VAC / PoE	12 VDC / 24 VAC / PoE	12 VDC / 24 VAC / PoE	24 VAC / PoE+	12 VDC / 24 VAC / PoE	12 VDC / 24 VAC / PoE	12 VDC / 24 VAC / PoE	12 VDC / PoE
Security	Password protected; HTTPS; IP address filtering; 802.1x	Password protected; HTTPS; IP address filtering; 802.1x	Password protected; HTTPS; IP address filtering; 802.1x	Password protected	Password protected; HTTPS; IP address filtering; 802.1x	Password protected; HTTPS; IP address filtering; 802.1x	Password protected; HTTPS; IP address filtering; 802.1x	Password protected; HTTPS; IP address filtering; 802.1x	Password protected; HTTPS; IP address filtering; 802.1x
Micro SD support	Yes	Yes	Yes	Yes*	Yes	Yes	Yes	Yes	Yes
Housing/mount type	¼" - 20	¼" - 20	¼" - 20	¼" - 20	Integrated wall bracket/sunshield	Surface mount	Surface mount	Surface mount	Surface mount
Ingress Protection					IP67		IP66	IP66	IP66
UL/UR listed									
Operating temperature	-10°C to 50°C (-14°F to +122°F)	-10°C to 50°C (-14°F to +122°F)	-10°C to 50°C (-14°F to +122°F)	-30°C to +50°C (-22°F to +122°F)	-40°C to +50°C (-40°F to +122°F) PoE+	-10°C to +50°C (-14°F to +122°F)	-30°C to +50°C (-22°F to +122°F) w/ PoE ***	-40°C to +50°C (-40°F to +122°F)	-10°C to 50°C (-14°F to +122°F)

# Product Line Card - IP Cameras

SD PTZ Domes					HD PTZ Domes		Pressurized Domes		ExProof Domes
									
<b>MSD620</b>	<b>MSD622</b>	<b>HSD620</b>	<b>HSD622</b>	<b>HSD626</b>	<b>HSD820IM</b>	<b>HSD820EP</b>	<b>HSD620PRH</b>	<b>HSD621PRH</b>	<b>HSD628EXP</b>
1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/ 2.8" CMOS	1/ 2.8" CMOS	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD
12x optical zoom 4 - 48 mm	12x optical zoom 4 - 48 mm	26x optical zoom 3.5 - 91 mm	26x optical zoom 3.5 - 91 mm	35x optical zoom 3.4 - 119 mm	18x optical zoom 4.7 - 84.6 mm	18x optical zoom 4.7 - 84.6 mm	26x optical zoom 3.5 - 91 mm	35x optical zoom 3.4 - 119 mm	36x optical zoom 3.4 - 122.4 mm
53° to 4.52°	53° to 4.52°	54.2° to 2.2°	54.2° to 2.2°	55.8° to 1.7°	65° to 3.8°	65° to 3.8°	54.2° to 2.2°	55.8° to 1.7°	60.8° to 1.8°
H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG
Dual H.264 + dual MPEG-4/MPEG-2/ MJPEG	Dual H.264 + dual MPEG-4/MPEG-2/ MJPEG	Dual H.264 + dual MPEG-4/MPEG-2/ MJPEG	Dual H.264 + dual MPEG-4/MPEG-2/ MJPEG	Dual H.264 + dual MPEG-4/MPEG-2/ MJPEG	Dual H.264 H.264/MJPEG	Dual H.264 H.264/MJPEG	Dual H.264 + dual MPEG-4/MPEG-2/ MJPEG	Dual H.264 + dual MPEG-4/MPEG-2/ MJPEG	Dual H.264 + dual MPEG-4/MPEG-2/ MJPEG
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
					Yes	Yes			
					Yes	Yes			
8/1	8/1	8/1	8/1	8/1	2/2	2/2	4/0	4/0	8/1
Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes
Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional			
OSA	OSA	OSA	OSA	OSA	OSA, ONVIF	OSA, ONVIF	OSA	OSA	OSA
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VMD, IQM, tamper detection	VMD, IQM, tamper detection	VMD, IQM, tamper detection	VMD, IQM, tamper detection	VMD, IQM, tamper detection	VMD	VMD	VMD, IQM, tamper detection	VMD, IQM, tamper detection	VMD, IQM, tamper detection
16	16	24	24	8	16	16	24	8	16
24 VAC	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC, 802.3at PoE **	24 VAC, 802.3at PoE **	24 VAC	24 VAC	24 VAC
Password protected	Password protected	Password protected	Password protected	Password protected	Password protected	Password protected	Password protected	Password protected	Password protected
Internal*	Internal*	Internal*	Internal*	Internal*	Yes	Yes	Internal*	Internal*	Internal*
Surface mount	Environmental pendant	Surface mount	Environmental pendant	Environmental pendant	Surface mount	Environmental pendant	Nitrogen pressurized pendant	Nitrogen pressurized pendant	Explosion proof, ATEX 1/21, 2/22
	IP66		IP66	IP66		IP66	IP67	IP67	IP67/68
Yes	Yes	Yes	Yes	Yes			Yes	Yes	
0°C to +40°C (+32°F to +104°F)	-30°C to +45°C (-22°F to +113°F)	0°C to +40°C (+32°F to +104°F)	-40°C to +50°C (-40°F to +122°F)	-40°C to +50°C (-40°F to +122°F)	0°C to +50°C (+32°F to +122°F)	-40°C to +50°C (-40°F to +122°F)	-40°C to +50°C (-40°F to +122°F)	-40°C to +50°C (-40°F to +122°F)	-20°C to +60°C (-4°F to 140°F)

\*\*\* -30°C to +50°C (-22°F to +122°F) on PoE










\*\* No heater support on PoE+ (0-50°C temperature range)

\* Available as future upgrade



# Product Line Card - Analog Cameras



	Box	PTZ Domes				Pressurized Domes		ExProof Domes	
									
Model	BC14WDR	MD10A	MD12A	HD10A	HD12A	HD16AWDR	HD10APRH	HD11APRH	HD18EXP
Image sensor	1/3" Pixim™ Seawolf	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD
Lens/mount	C/CS mount	12x optical zoom 4 - 48 mm	12x optical zoom 4 - 48 mm	26x optical zoom 3.5 - 91 mm	26x optical zoom 3.5 - 91 mm	35x optical zoom 3.4 - 119 mm	26x optical zoom 3.5 - 91 mm	35x optical zoom 3.4 - 119 mm	36x optical zoom 3.4 - 122.4 mm
Resolution	690 HTVLE	540 TVL	540 TVL	530 TVL	530 TVL	540 TVL	530 TVL	540 TVL	650 TVL
Alarm inputs/outputs	1 GPIO	8/1	8/1	8/1	8/1	8/1	2/0	2/0	8/1
Day and night (ICR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wide dynamic range	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Privacy mask	12	16	16	24	24	8	24	8	16
Power	12 VDC / 24 VDC	24 VAC / 24 VDC	24 VAC / 24 VDC	24 VAC / 24 VDC	24 VAC / 24 VDC	24 VAC / 24 VDC	24 VAC	24 VAC	24 VAC
Security		Password protected	Password protected	Password protected	Password protected	Password protected	Password protected	Password protected	Password protected
Housing/mount type	Box	Surface mount	Environmental pendant	Surface mount	Environmental pendant	Environmental pendant	Nitrogen pressurized pendant	Nitrogen pressurized pendant	Explosion proof, ATEX 1/21, 2/22
Ingress Protection			IP66		IP66	IP66	IP67	IP67	IP67/68
UL/UR listed		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Operating temperature	-20°C to +55°C (-4°F to +131°F)	0°C to +40°C (+32°F to +104°F)	-30°C to +45°C (-22°F to +113°F)	0°C to +40°C (+32°F to +104°F)	-40°C to +50°C (-40°F to +122°F)	-40°C to +50°C (-40°F to +122°F)	-40°C to +50°C (-40°F to +122°F)	-40°C to +50°C (-40°F to +122°F)	-20°C to +60°C (-4°F to 140°F)