



OPTICS

**PRODUCT  
CATALOG**

**2020**

PTZ Optics

STANDBY POWER



**BROADCAST QUALITY MADE AFFORDABLE**



# Welcome

## We invite you to explore our 2018 Product Catalog.

Here at PTZOptics we pride ourselves on providing *"Broadcast quality equipment, made affordable"*.

This catalog offers a comprehensive guide of our latest PTZ camera models, and more..

Please review at your leisure, and thank you for your consideration.

- \* In-office dedicated support team
- \* Online knowledge base with hundreds of articles
- \* Over 600 video reviews and tutorials updated daily
- \* Exclusive online community on Facebook with over 2,400 users
- \* Weekly LIVE shows with product demos and Q&A's

More info on our products can be found at:  
[www.ptzoptics.com](http://www.ptzoptics.com)



1

P T Z OPTICS

**12X SDI**

**SKU** PT 12X-SDI-GY-G2 (Gray)  
PT 12X-SDI-WH-G2 (White)

**3G-SDI**  
**1080p/60**

**PoE**  
Power Over Ethernet

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE







# 12X SDI PTZ CAMERA

- 12X Optical Zoom
- 3G SDI
- HDMI
- CVBS
- PoE
- NDI®|HX Upgradeable
- RS-232/RS-485
- Broadcast Frame Rates  
SDI out
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 72.5° FOV
- Photobooth Capable
- 3 Year Warranty

**MSRP: \$1,759 USD**



2

P T Z OPTICS

**12X USB**

**SKU** PT 12X-USB-GY-G2  
PT 12X-USB-WH-G2





- Initiation:
- Initiation:
  - Planning:
  - Kickoff
  - Maintenance
  - Close



**FullHD**  
1080p/60

**USB3**  
PLUG AND PLAY

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# 12X USB PTZ CAMERA

- 12X Optical Zoom
- USB 3.0
- HDMI
- CVBS
- NDI®|HX Upgradeable
- RS-232/RS-485
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 72.5° FOV
- Photobooth Capable
- 3 Year Warranty

**MSRP: \$1,869 USD**



3

P T Z OPTICS

**12X NDI<sup>®</sup> | HX**

**SKU** PT 12X-NDI-GY  
PT 12X-NDI-WH





NDI|HX

LINE IN CVBS

SYSTEM SELECT

IN R5232 OUT

DC 12V

ON/OFF

HDMI



**NDI®**  
NEWTEK NDI®

**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# 12X NDI<sup>®</sup>|HX PTZ CAMERA

- 12X Optical Zoom
- NewTek™ NDI<sup>®</sup>|HX
- HDMI
- CVBS
- IP Streaming (RTSP & RTMP)
- RS-232/RS-485
- Broadcast Frame Rates
- SDI out
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 72.5° FOV
- Photobooth Capable
- 3 Year Warranty

**MSRP: \$2,199 USD**



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P T Z OPTICS

**20X SDI**

**SKU** PT 20X-SDI-GY-G2  
PT 20X-SDI-WH-G2







**3G-SDI**  
1080p/60

**PoE**  
Power Over Ethernet

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# 20X SDI PTZ CAMERA

- 20X Optical Zoom
- 3G SDI
- HDMI
- CVBS
- PoE
- NDI®|HX Upgradeable
- RS-232/RS-485
- Broadcast Frame Rates  
SDI out
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 60.7° FOV
- Photobooth Capable
- 3 Year Warranty

**MSRP: \$1,869 USD**



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P T Z OPTICS

**20X USB**

**SKU** PT 20X-USB-GY-G2  
PT 20X-USB-WH-G2







**FullHD**  
1080p/60

**USB3**  
PLUG AND PLAY

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# 20X USB PTZ CAMERA

- 20X Optical Zoom
- USB 3.0 & 2.0
- HDMI
- CVBS
- NDI®|HX Upgradeable
- RS-232/RS-485
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 60.7° FOV
- Photobooth Capable
- 3 Year Warranty

**MSRP: \$1,979 USD**



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P T Z OPTICS

**20X NDI<sup>®</sup> | HX**

**SKU** PT 20X-NDI-GY  
PT 20X-NDI-WH





PTZ Optics

**NDI<sup>®</sup>**  
NEWTEK NDI<sup>®</sup>

**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE



# 20X NDI<sup>®</sup> |HX PTZ CAMERA

- 20X Optical Zoom
- NewTek<sup>™</sup> NDI<sup>®</sup> |HX
- HDMI
- CVBS
- IP Streaming (RTSP & RTMP)
- RS-232/RS-485
- Broadcast Frame Rates
- SDI out
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 60.7° FOV
- Photobooth Capable
- 3 Year Warranty

**MSRP: \$2,309 USD**



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P T Z OPTICS

**30X SDI**

**SKU** PT 30X-SDI-GY-G2  
PT 30X-SDI-WH-G2



**3G-SDI**  
1080p/60

**PoE**  
Power Over Ethernet

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE





**3G-SDI**  
1080p/60

**PoE**  
Power Over Ethernet

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# 30X SDI PTZ CAMERA

- 30X Optical Zoom
- 3G SDI
- HDMI
- CVBS
- PoE
- NDI®|HX Upgradeable
- RS-232/RS-485
- Broadcast Frame Rates  
SDI out
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 60.7° FOV
- Photobooth Capable
- 3 Year Warranty

**MSRP: \$1,979 USD**



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P T Z OPTICS

**30X NDI<sup>®</sup> | HX**

**SKU** PT 30X-NDI-GY  
PT 30X-NDI-WH



**NDI<sup>®</sup>**  
NEWTEK NDI<sup>®</sup>

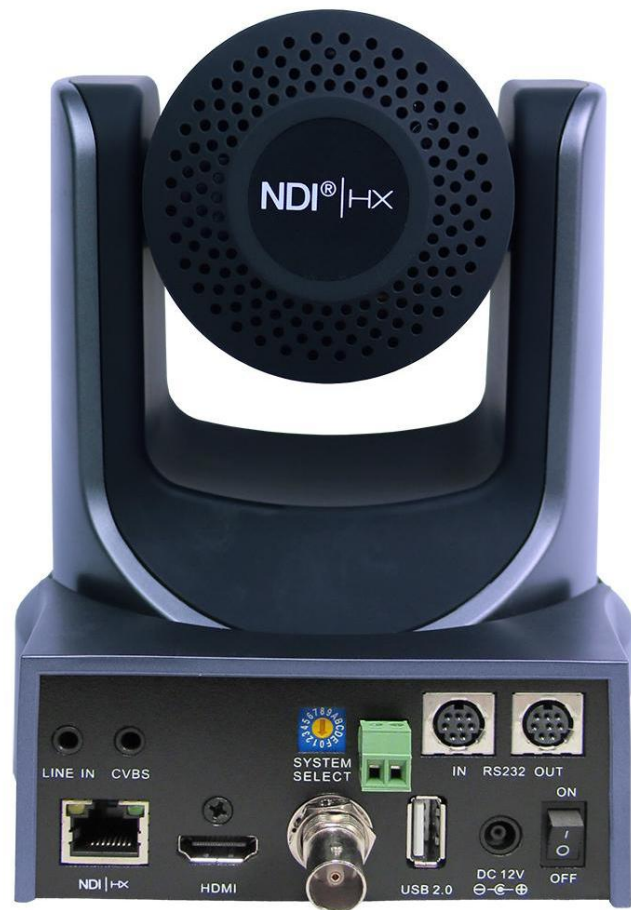
**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE







# 30X NDI<sup>®</sup> |HX PTZ CAMERA

- 30X Optical Zoom
- NewTek<sup>™</sup> NDI<sup>®</sup> |HX
- HDMI
- CVBS
- IP Streaming (RTSP & RTMP)
- RS-232/RS-485
- Broadcast Frame Rates
- SDI out
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 60.7° FOV
- Photobooth Capable
- 3 Year Warranty

**MSRP: \$2,419 USD**



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P T Z OPTICS

**12X ZCAM**

**SKU** PT12X-ZCAM



**3G-SDI**  
1080p/60

**PoE**  
Power Over Ethernet

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

# 12X ZCAM

- 12X Optical Zoom
- 3G SDI
- CVBS
- PoE
- NDI®|HX Upgradeable
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- (IP/NDI 30fps only)
- 60.7° FOV
- 3 Year Warranty

**MSRP: \$769 USD**

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P T Z OPTICS

12X NDI® | HX

ZCAM

SKU PT12X-NDI-ZCAM





**NDI<sup>®</sup>**  
NEWTEK NDI<sup>®</sup>

**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
ENABLED

# 12X NDI<sup>®</sup> |HX ZCAM

- 12X Optical Zoom
- 3G SDI
- PoE
- NDI<sup>®</sup>|HX
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- (IP/NDI 30fps only)
- 60.7° FOV
- 3 Year Warranty

**MSRP: \$1,209 USD**

9

P T Z OPTICS

**20X ZCAM**

**SKU** PT20X-ZCAM







**3G-SDI**  
1080p/60

**PoE**  
Power Over Ethernet

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# 20X ZCAM

- 20X Optical Zoom
- 3G SDI
- CVBS
- PoE
- NDI®|HX Upgradeable
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- (IP/NDI 30fps only)
- 60.7° FOV
- 3 Year Warranty

**MSRP: \$879 USD**



10

P T Z OPTICS

**20X NDI<sup>®</sup> | HX**

**ZCAM**

**SKU** PT20X-NDI-ZCAM



PTZ Optics





**NDI**<sup>®</sup>  
NEWTEK NDI<sup>®</sup>

**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE



# 20X NDI® |HX ZCAM

- 20X Optical Zoom
- 3G SDI
- PoE
- NDI®|HX
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- (IP/NDI 30fps only)
- 60.7° FOV
- 3 Year Warranty

**MSRP: \$1,319 USD**



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# VARIABLE LENS

**SKU** PTVL-ZCAM





**3G-SDI**  
1080p/60

**PoE**  
Power Over Ethernet

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# VARIABLE LENS CAM

- 4X Optical Zoom
- 3G SDI
- PoE
- NDI®|HX Upgradeable
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS (IP/NDI 30fps only)
- 122° FOV
- 3 Year Warranty

**MSRP: \$549 USD**





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P T Z OPTICS

**VL NDI<sup>®</sup> | HX**

**SKU** PTVL-NDI-ZCAM



PTZ Optics

HD 1080P  
Camera icon  
PTZ  
LDC

PTZ OPTICS  
1/2.8\"/>



**NDI<sup>®</sup>**  
NEWTEK NDI<sup>®</sup>

**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# VL NDI® |HX ZCAM

- 4X Optical Zoom
- 3G SDI
- PoE
- NDI®|HX
- IP Streaming (RTSP & RTMP)
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- (IP/NDI 30fps only)
- 122° FOV
- 3 Year Warranty

**MSRP: \$1,099 USD**



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P T Z OPTICS

# PRODUCER KIT

**SKU** PT-PRODUCER-12X  
PT-PRODUCER-20X  
PT-PRODUCER-ADD12X  
PT-PRODUCER-ADD20X





# PTZ PRODUCER KIT

- One or Two Cameras
- Choice of 12X or 20X
- Intel NUC Skull Canyon
- 3G SDI
- PoE
- NDI®|HX Upgradeable
- IP Streaming (RTSP & RTMP)
- HC Joystick
- Shure Motiv
- Magewell Capture Card for Each Camera
- SDI Cable Included
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 122° FOV
- 3 Year Warranty
- **MSRP: \$4,215 - 12X**
  - \$4,653 - 20X**
  - \$2,416 - ADD 12X**
  - \$2,526 - ADD 20X**



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# PRODUCER KIT PLUS

**SKU** PT-PRODUCERPLUS-12X  
PT-PRODUCERPLUS-20X  
PT-PRODUCERPLUS-ADD12X  
PT-PRODUCERPLUS-ADD20X





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PTZ Optics

Thunderbolt™ 3

HuddleCamHD



# PTZ PRODUCER KIT

- Up to Four Cameras
- Choice of 12X or 20X
- Intel NUC Skull Canyon
- 3G SDI
- PoE
- NDI®|HX Upgradeable
- IP Streaming (RTSP & RTMP)
- HC Joystick
- Shure Motiv
- 3G SDI AkiTio External PCIe
- SDI Cable Included
- Cascade Cable Included
- IP Network RJ45 (H.264, H.265, Mjpeg)
- 1080p @ 60FPS
- 122° FOV
- 3 Year Warranty
- **MSRP: \$5,752 - 12X**  
**\$5,862 - 20X**  
**\$2,087 - ADD 12X**  
**\$2,197 - ADD 20X**



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P T Z OPTICS

**Webcam<sup>®</sup>**

**SKU** PT-WBCAM-80



# PTZ Optics Webcam

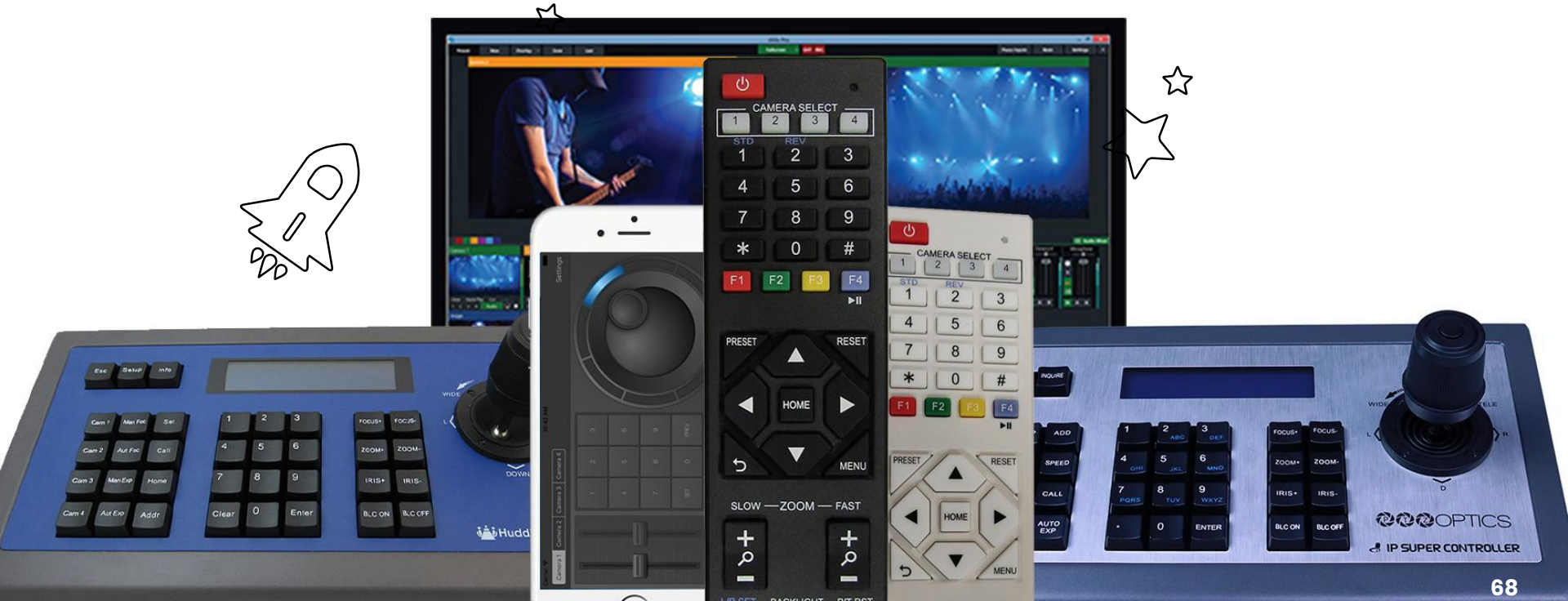
- USB 2.0
- 1080p
- Universal Compatibility
- 80° FoV
- Internal Microphone
- 3 Year Warranty
- USB Powered
- Lens Cap Attached

**MSRP: \$98 USD**

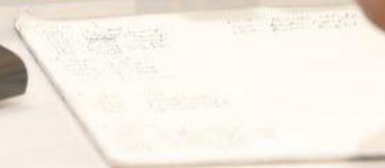


# CAMERA CONTROL

Let's dive into our options for camera control









# Options to Fit your Preference

1

## IR REMOTE CONTROL

Each model of our PTZ cameras comes with an included IR remote for camera control, settings, and presets.

2

## IP JOYSTICK

Physical joystick control, variable pan, tilt, and zoom speeds, all over your network.

3

## CAMERA CONTROL SOFTWARE

Mobile App control over wifi, or integration with multiple streaming software platforms.

# IR Remote Control

## Camera Control

Control up to four cameras, featuring quick switch keys.

Pan, tilt, and zoom control, with slow and fast zoom speed. Manual/auto focus option.

Access shortcuts to certain camera settings and features.

## Menu

Access your camera on screen display menu for customizable camera lens and color settings.

## Presets

Set over 10 custom camera presets and call them on command.

**\*INCLUDED WITH ALL PTZ CAMERAS**



# IP JOYSTICK

## SKU: PT-JOY-G3

- Joystick PTZ Control
- Variable Pan & Tilt Speed
- 6 Camera Hotkeys
- PoE
- IP Control
- Over 200 Camera Presets with set/call keys
- Manual Iris/Focus
- ONVIF 2.4
- Control Multiple Cameras

**MSRP: \$714 USD**







ESC SETUP CAM ID



CAM 1	CAM 2	CAM 3
CAM 4	CAM 5	CAM 6
SPEED	SET	RECALL
OSD	OSD BACK	OSD ENTER

1	2	3
4	5	6
7	8	9
.	0	ENTER

FOCUS+	FOCUS-
FOCUS UNLOCK	FOCUS LOCK
IRIS+	IRIS-
AUTO FOCUS	AUTO EXP



 OPTICS  
IP SUPER CONTROLLER





# CAMERA CONTROL SOFTWARE

## IOS & ANDROID APP

- Easy Wireless Camera Control over WiFi
- Control up to four cameras
- Store up to ten presets per camera
- Variable Speed Control w/ Joystick
- Support for Zoom & Focus
- Supports iPhone, iPad and iPod touch
- Now supports unique pan, tilt and zoom speeds for manual and preset positions (unique settings for each camera)

**PRICE: \$10**

## Software Integration

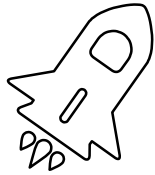
PTZ control integration in streaming software such as: OBS (for MAC & PC), Wirecast, MimoLive, and vMix.

Open Source Control Software

...and more

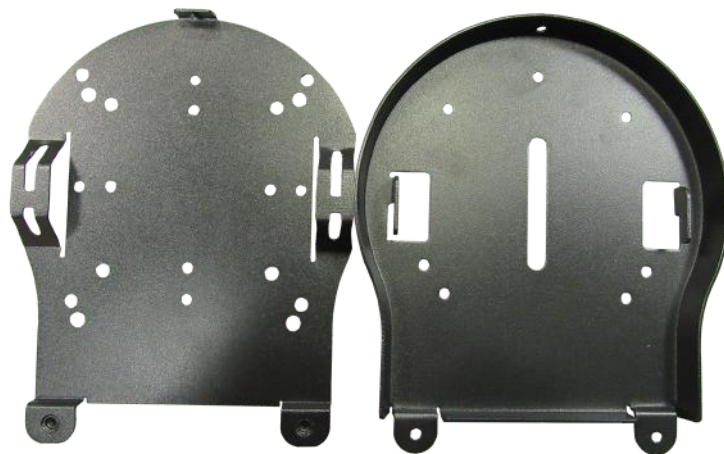


# CAMERA MOUNTS



# CAMERA MOUNTS

SKUS:	MSRP
HCM-1-BK	\$99
HCM-1-WH	\$99
PT-CM-1-BK	\$66
PT-CM-1-WH	\$66
HCM-1-C	\$121





# New Smartphone App!

Available on iOS and  
Android.

Just search for  
PanTiltZoom!

Price \$10





# Mac/PC/OBS App

Enjoy tons of new features inside our free PC, Mac and OBS (Open Broadcaster Software) apps.

Too many features to note here. Enjoy live video preview, camera presets and advanced camera controls.

Download at <https://ptzoptics.com/apps>

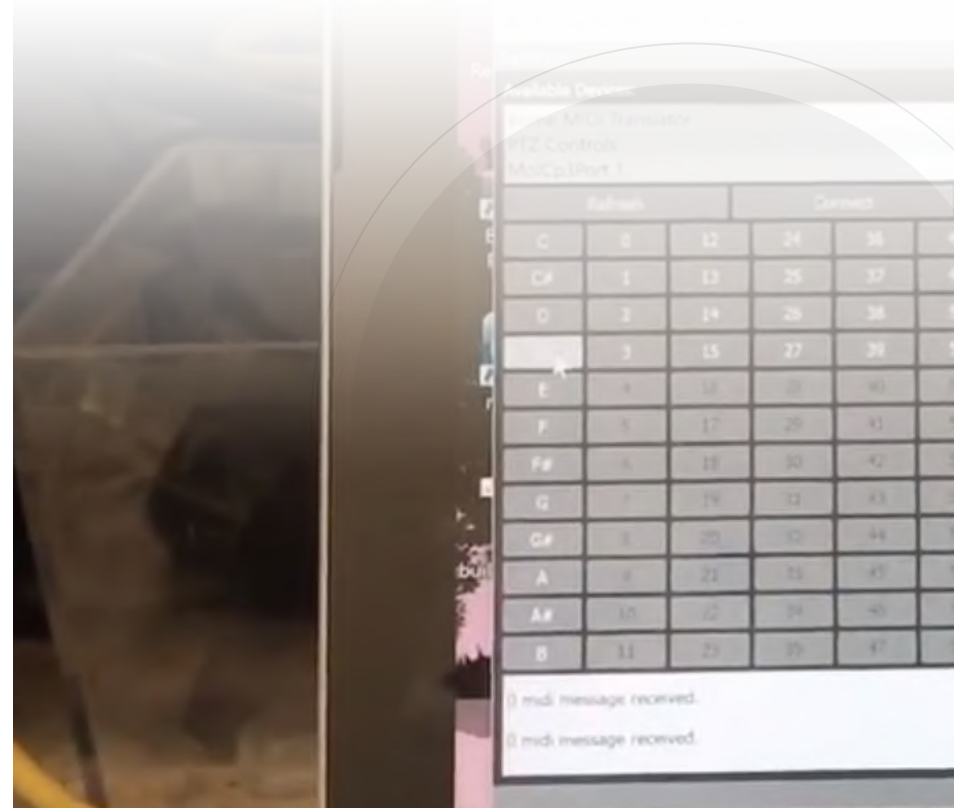


# MIDI Camera Controls

Integrate PTZ camera controls into any digital audio workstation station using MIDI controls.




See how churches, music studios and performing arts centers are automating camera controls to precision inside software such as Ableton Live, Logic, Cubase, Presonus Studio 1 and Avid Pro Tools.

Download at: <https://ptzoptics.com/MIDI>



# CAMERA COMPARISON CHARTS



			
Camera Type	<b>SDI</b>	<b>USB</b>	<b>NDI</b>
	\$1,759-1,979	\$2,309	\$2,419
Optical Zoom	12X/20X/30X 6.9° TO 72.5°	12X/20X 3.36° TO 60.7°	12X/20X/30X 2.28° TO 60.7°
Resolution	1080P @ 60 FPS	1080P @ 60 FPS	1080P @ 60 FPS
NDI	UPGRADEABLE	UPGRADEABLE	✓
USB	USB 2.0 UPDATES ONLY	✓	USB 2.0 UPDATES ONLY
HDMI	✓	✓	✓
3G-SDI	✓	✗	✓
RTSP/RTMP	✓ (*30X ONLY)	✓	✓ (*30X ONLY)
VISCA Control	✓	✓	✓
Storable Presets	255	255	255
PoE	✓	✗	✓
Min Lux	0.5	0.5	0.5
Wide Dynamic Range	✓	✓	✓
3D Noise Cancellation	✓	✓	✓

\* If IP is set at 1080-60p, then dial must be set to 1080-30p or less  
If dial is set to 1080-60p, then IP must be set to 1080-30p or less

SDI SIMULTANEOUS OUTPUTS:  
SDI, HDMI, RTMP/RTSP

USB SIMULTANEOUS OUTPUTS:  
USB & HDMI

# Global Purchasing Outlets via Reseller Program

Contact: [partners@ptzoptics.com](mailto:partners@ptzoptics.com)

To find your local reseller





# Thanks!

## **Any questions?**

We hope you found this helpful. To reach us please contact:

- [partners@ptzoptics.com](mailto:partners@ptzoptics.com)

or

- 610-518-2200