



P T Z  
OPTICS  
PRODUCT  
CATALOGUE  
2020



# BROADCAST QUALITY MADE AFFORDABLE

# Welcome Partners



**We invite you to explore our 2020 Product Catalogue.**

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..

**As a PTZOptics reseller, we hope you find this a useful tool. We appreciate your partnership. Please review at your leisure, and thank you for your consideration.**

**\* In-office dedicated support team**

**\*Online knowledge base with hundreds of articles**

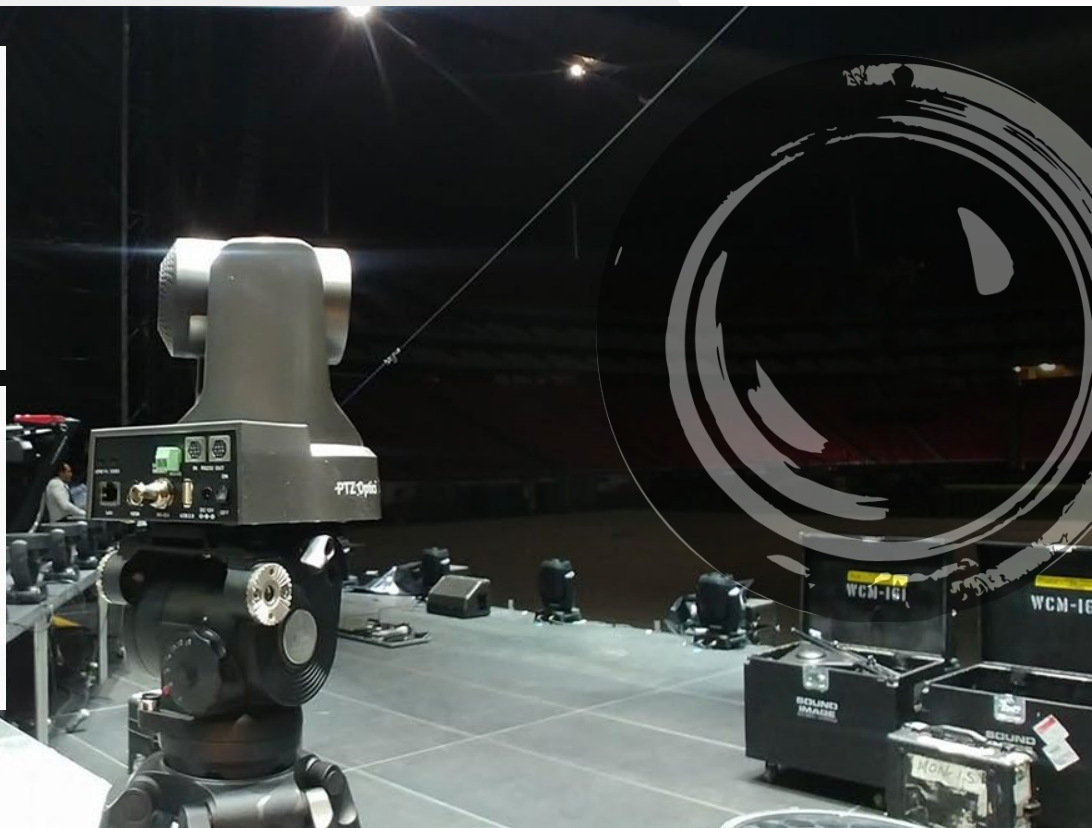
**\*Over 600 video reviews and tutorials updated daily**

**\*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)





# PRODUCT MATRIX

PART	ZOOM	3G-SDI	HDMI	CVBS	PoE	USB	NDI® HX	IP STREAMING (RTMP/RTSP)	IP NETWORKING (SMPTE, IGMP, MDP)	RESOLUTION	FOV	MIC	SPEAKER	UVC
PT12X-SDI	12X	✓	✓	✓	✓	UPGRADEABLE	UPGRADEABLE	✓	✓	1080p/60fps	72.5°	✓	✓	✓
PT12X-USB	12X	UPGRADEABLE	✓	✓	UPGRADEABLE	3.0/2.0	UPGRADEABLE	✓	✓	1080p/60fps	72.5°	✓	✓	✓
PT12X-NDI	12X	✓	✓	✓	✓	UPGRADEABLE	✓	✓	✓	1080p/60fps	72.5°	✓	✓	✓
PT20X-SDI	20X	✓	✓	✓	✓	UPGRADEABLE	UPGRADEABLE	✓	✓	1080p/60fps	60.7°	✓	✓	✓
PT20X-USB	20X	UPGRADEABLE	✓	✓	UPGRADEABLE	3.0/2.0	UPGRADEABLE	✓	✓	1080p/60fps	60.7°	✓	✓	✓
PT20X-NDI	20X	✓	✓	✓	✓	UPGRADEABLE	✓	✓	✓	1080p/60fps	60.7°	✓	✓	✓
PT30X-SDI	30X	✓	✓	✓	✓	UPGRADEABLE	UPGRADEABLE	✓	✓	1080p/60fps	60.7°	✓	✓	✓
PT30X-NDI	30X	✓	✓	✓	✓	UPGRADEABLE	✓	✓	✓	1080p/60fps	60.7°	✓	✓	✓
PT12X-ZCAM	12X	✓	UPGRADEABLE	UPGRADEABLE	✓	UPGRADEABLE	UPGRADEABLE	✓	✓	1080p/60fps	72.5°	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PT12X-NDI-ZCAM	12X	✓	UPGRADEABLE	UPGRADEABLE	✓	UPGRADEABLE	✓	✓	✓	1080p/60fps	72.5°	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PT20X-ZCAM	20X	✓	UPGRADEABLE	UPGRADEABLE	✓	UPGRADEABLE	UPGRADEABLE	✓	✓	1080p/60fps	60.7°	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PT20X-NDI-ZCAM	20X	✓	UPGRADEABLE	UPGRADEABLE	✓	UPGRADEABLE	✓	✓	✓	1080p/60fps	60.7°	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PTVL-ZCAM	4X	✓	UPGRADEABLE	UPGRADEABLE	✓	UPGRADEABLE	UPGRADEABLE	✓	✓	1080p/60fps	122°	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PTVL-NDI-ZCAM	4X	✓	UPGRADEABLE	UPGRADEABLE	✓	UPGRADEABLE	✓	✓	✓	1080p/60fps	122°	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PTEPTZ-ZCAM	8X	✓	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	✓	✓	1080p/30fps	104°	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PTEPTZ-NDI-ZCAM	8X	✓	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	✓	✓	✓	1080p/30fps	104°	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PT-WEBCAM-80	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	2.0	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	1080p/30fps	80°	✓	UPGRADEABLE	UPGRADEABLE
PT-JOY-G3	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE
PT-WC-G1	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE	UPGRADEABLE

New



**4K EPTZ ZCAM**

**SKU**

HUD-PTEPTZ-ZCAM-G2

**3G-SDI**

1080p30 & 720p30

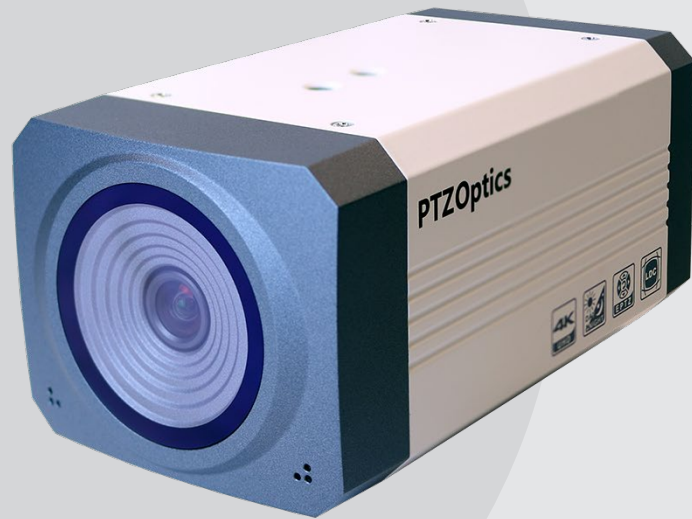
**PoE**

Power Over Ethernet

**4K**

**EPTZ**





# 4K EPTZ ZCAM

- 4K Sensor
- EPTZ
- 1080p&720p30fps
- Dual 3G SDI
- PoE
- IP Streaming (RTSP & RTMP)
- IP Network (H.264, H.265, Mjpeg)
- 104° FOV
- 3 Year Warranty





New



**4K EPTZ NDI®|HX  
ZCAM**

**SKU** HUD-PTEPTZ-NDI-ZC-G2

**3G-SDI**

1080p30 & 720p30

**PoE**

Power Over Ethernet

**4K**

**EPTZ**

**NDI<sup>®</sup>**

NEWTEK NDI<sup>®</sup>





# 4K EPTZ NDI®|HX ZCAM

- 4K Sensor
- EPTZ
- NDI®|HX
- 1080p&720p30fps
- Dual 3G SDI
- PoE
- IP Streaming (RTSP & RTMP)
- IP Network (H.264, H.265, Mjpeg)
- 104° FOV
- 3 Year Warranty



The logo for PTZ Optics features the letters 'P', 'T', and 'Z' each inside a blue circular icon that resembles a camera lens aperture. To the right of these icons, the word 'OPTICS' is written in a light blue, sans-serif font.

PTZ OPTICS

# 12X SDI

**SKU** HUD-PT 12X-SDI-GY-G2 (Grey)  
HUD-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
- Broadcast Frame Rates
- SDI out
- 3G SDI
- HDMI
- CVBS
- PoE
- NDI®|HX
- 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



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PTZ OPTICS

**12X USB**

**SKU** HUD-PT12X-USB-GY-G2  
HUD-PT12X-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
- 



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PTZ OPTICS

**12X NDI®|HX**

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





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

**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE



# 12X NDI®|HX PTZ CAMERA

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



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PTZ OPTICS

**20X SDI**

**SKU** HUD-PT 20X-SDI-GY-G2  
HUD- 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
- Broadcast Frame Rates
- SDI out
- 3G SDI
- HDMI
- CVBS
- PoE
- 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





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PTZ OPTICS

**20X USB**

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



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PTZ OPTICS

**20X NDI®|HX**

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





**NDI<sup>®</sup>**

NEWTEK NDI<sup>®</sup>

**FullHD**

1080p/60

**PoE**

Power Over Ethernet

**DUAL STREAMING**

**ENABLED**

**WDR**

WIDE DYNAMIC RANGE





# 20X NDI®|HX PTZ CAMERA

- 20X Optical Zoom
- NewTek™ NDI®|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





P T Z OPTICS

**30X SDI**

**SKU** HUD-PT 30X-SDI-GY-G2  
HUD-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
- Broadcast Frame Rates SDI out
- 3G SDI
- HDMI
- CVBS
- PoE
- 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



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PTZ OPTICS

**30X NDI®|HX**

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



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

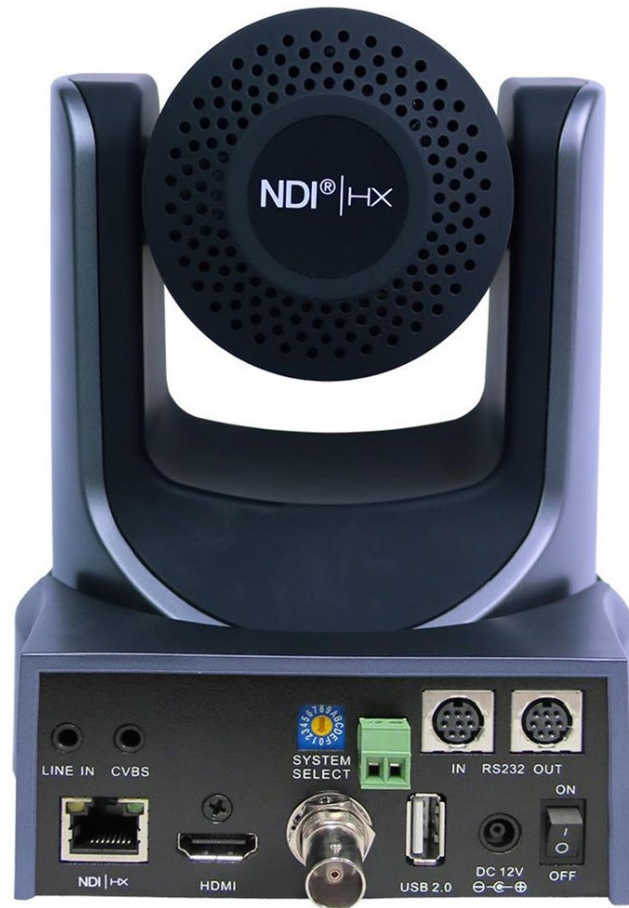
**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE





# 30X NDI®|HX PTZ CAMERA

- 30X Optical Zoom
- NewTek™ NDI®|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







P T Z OPTICS

**12X ZCAM**

**SKU** HUD-PT12X-ZCAM





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

**PoE**  
Power Over Ethernet

**MJPEG**  
STREAMING

**DUAL STREAMING**  
ENABLED

**WDR**  
WIDE DYNAMIC RANGE

# 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)
- 72.5° FOV
- 3 Year Warranty



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PTZ OPTICS

**20X ZCAM**

**SKU** HUD-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



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PTZ OPTICS

**12X NDI®|HX**

**ZCAM**

**SKU** HUD-PT12X-NDI-ZCAM



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

**FullHD**  
1080p/60

**PoE**  
Power Over Ethernet

**DUAL STREAMING**  
**ENABLED**

# 12X NDI®|HX ZCAM

- 12X 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





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PTZ OPTICS

**20X NDI®|HX**

**ZCAM**

**SKU** HUD-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





# VARIABLE LENS

**SKU** HUD-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





P T Z OPTICS

**VL NDI®|HX**

**SKU** HUD-PTVL-NDI-ZCAM



PTZ Optics

HD  
1080P



PTZ

LDC





**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

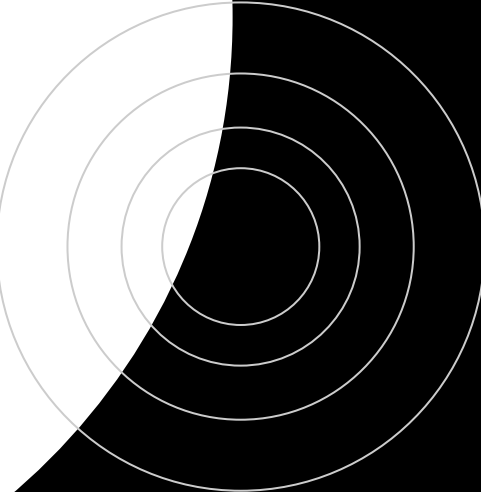




P T Z OPTICS

# Webcam

**SKU** HUD-PT-WEBCAM-80





OPTICS

3:35

温泉旅  
疾

# PTZOptics Webcam

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





# 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

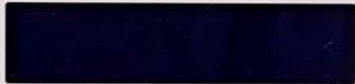
## SKU: HUD-PT-JOY-G3

- 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





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 MOUNTS



# CAMERA MOUNTS

## SKUS:

HUD-SWM

HUD-SWM-WHT

HUD-PT-CM-1-BK

HUD-PT-CM-1-WH



# New Smartphone App!

Available on iOS and Android.

Just search in the app store for **PanTiltZoom**





# 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>



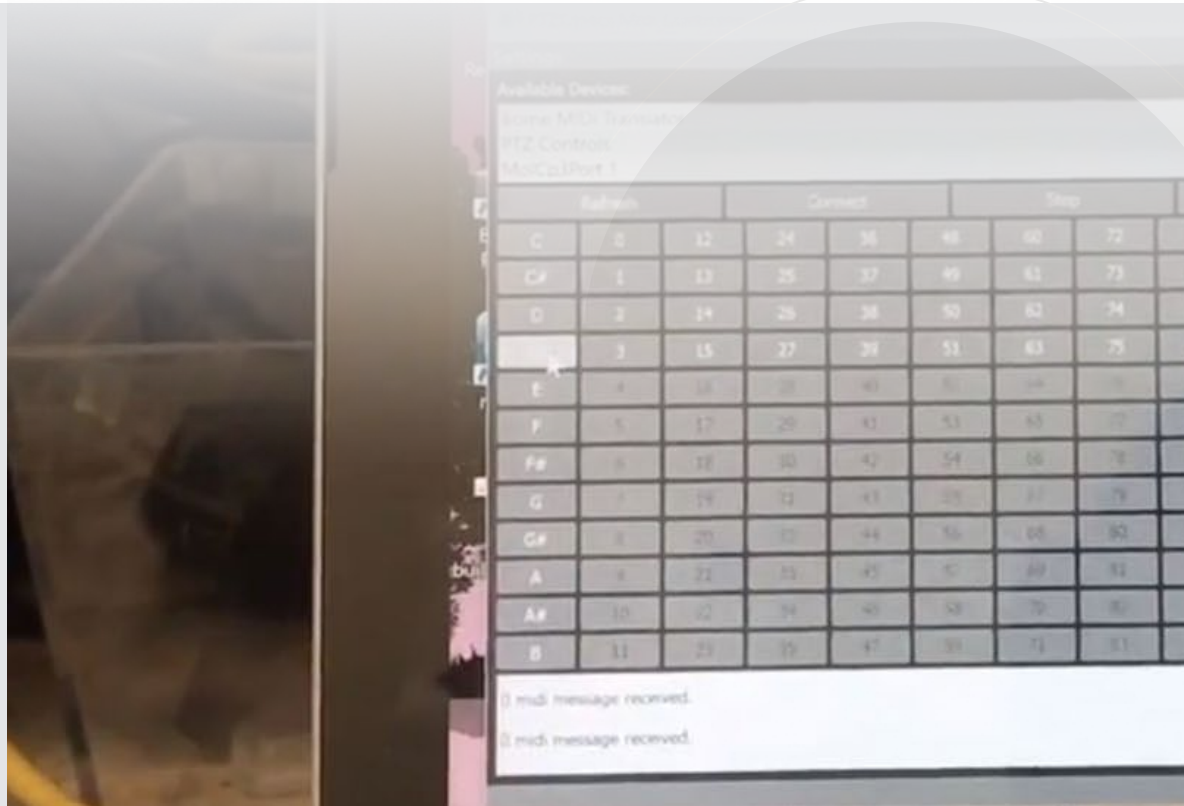
# MIDI Camera Controls



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>







# beyond connected

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