

PTZOptics Move 4K

The PTZOptics Move 4K offers built-in auto-tracking in 4K at 60fps. It is able to utilize multiple video outputs simultaneously, offers flexible control options and is NDI®|HX enabled. The Move 4K is compatible with most video production software, including OBS, vMix, Wirecast and more for a seamlessly fit into any live streaming workflow.

Key Features:

- 12X, 20X, & 30X Optical Zoom Models
- UltraHD 4K (3840x2160p) video resolutions up to 60 FPS
- Excels in low light scenarios with Wide Dynamic Range
- 3D noise reduction with our latest low-noise CMOS sensor
- Serial (RS232 & RS485) & IP control (LAN/WAN)
- H.264, H.265*, & MJPEG video compression when IP streaming
- Simultaneous USB 2.0, HDMI 2.0 / 3G-SDI, NDI®|HX 3 / IP streaming (SRT, RTSP, RTMP) (HDMI & SDI are not simultaneous)
- PoE+ (Power over Ethernet) or 12VDC power supply
- Auto-tracking
- NDI®|HX built in
- Photobooth capable
- Built in tally light
- 5-year warranty



12X, 20X, & 30X Models

PT12X-4K-GY-G3
PT12X-4K-WH-G3
PT20X-4K-GY-G3
PT20X-4K-WH-G3

PT30X-4K-GY-G3
PT30X-4K-WH-G3

Connections:

- | | | |
|--------------------|------------------|-------------|
| 1. Line In/Out | 5. DC 12V | 9. HDMI 2.0 |
| 2. Resolution Dial | 6. LAN NDI® HX 3 | 10. Restore |
| 3. RS-485 | 7. USB 2.0 | |
| 4. RS-232 In/Out | 8. 3G-SDI | |

What's in the Box:

- Camera
- AC Power Supply
- USB A-A Cable
- RS232C Cable
- Quick Start Guide
- IR Remote
- 2 AA Batteries

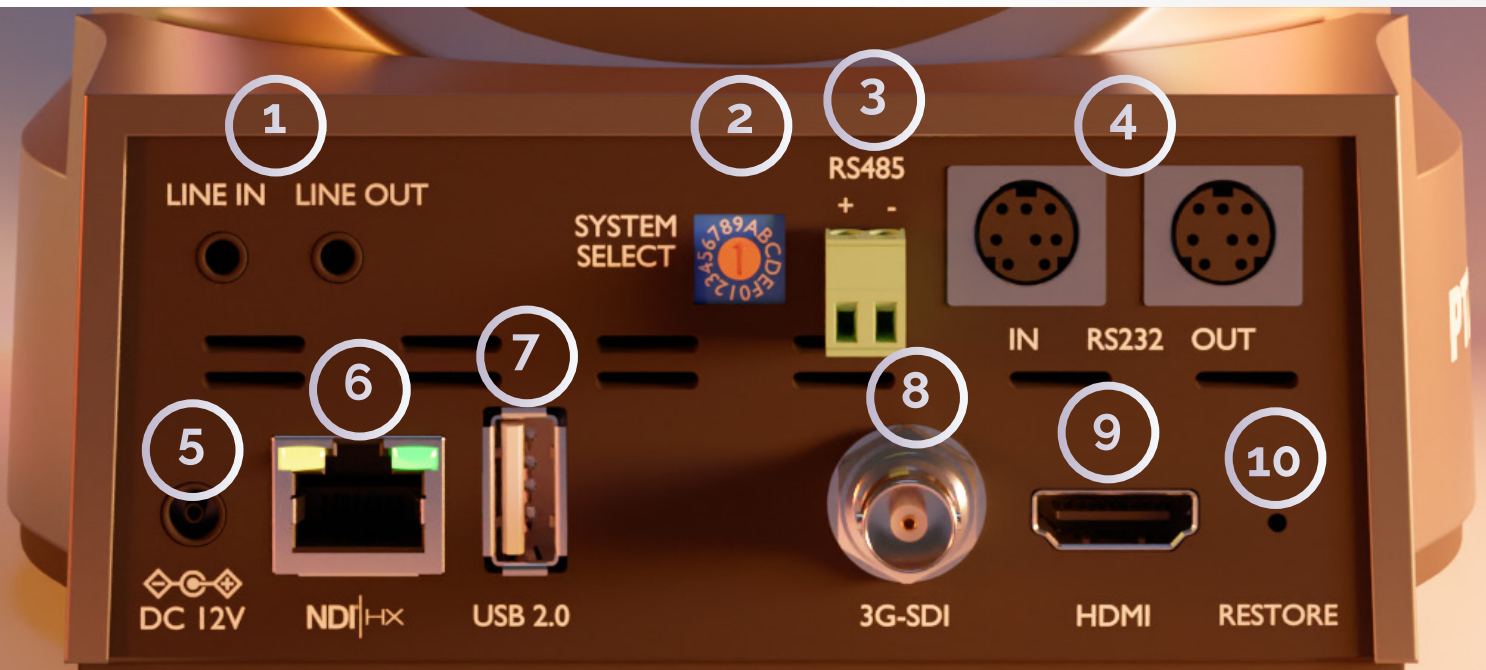


Image Sensor & Lens

| | |
|---------------------------|--|
| Video Sensor | (12X) Sony 1/2.5 inch, CMOS, Effective pixels: 8.51M |
| | (20X) Sony 1/1.8 inch, CMOS, Effective pixels: 8.42M |
| | (30X) Sony 1/1.8 inch, CMOS, Effective pixels: 8.42M |
| Resolution and Frame Rate | HDMI: 3840x2160p-60/59.94/50/30/29.97/25 1920x1080p-60/59.94/50/30/29.97/25 1920x1080i-60/59.94/50 1280x720p-60/59.94 |
| | SDI: 1920x1080p-60/59.94/50/30/29.97/25 1920x1080i-60/59.94/50 1280x720p-60/59.94 |
| Lens Zoom | (12X) f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6 |
| | (20X) f = 6.25mm ~ 125mm, F1.58 ~ F3.95 |
| | (30X) f = 7.1mm ~ 210mm, F1.61 ~ F5.19 |
| Field of View | (12X) H 6.9° ~ 72.5° V 3.9° ~ 44.8° |
| | (20X) H 3.5° ~ 60.7° V 1.9° ~ 34.1° |
| | (30X) H 2.5° ~ 59.2° V 1.4° ~ 34.6° |
| Min Lux | 0.5 Lux @ (F1.8, AGC ON) |
| Shutter | 1/30s ~ 1/10000s |

Pan / Tilt Movement

| | |
|-------------------------------|------------------|
| Pan Movement | ±170° |
| Pan Speed | 1.7°/s ~ 100°/s |
| Tilt Movement | -30° ~ +90° |
| Tilt Speed | 1.7°/s ~ 69.9°/s |
| Presets | 255 Presets |
| Preset Accuracy | 0.1° |
| Image Flip, Mirror and Freeze | Supported |

Electrical Index

| | |
|---------------------|-------------------------|
| Power Supply | DC 12V / PoE+ (802.3at) |
| Current Consumption | 2A (Max) |

Physical Specifications

| | |
|---------------------------|---|
| Material | Aluminum, Plastic |
| Color | Gray, White |
| Dimensions (W x D x H) | (12X) 5.57" W x 6.65" D x 7.91" H / 141.5 W x 169 D x 201 H mm |
| | (20X) 5.57" W x 6.65" D x 7.91" H / 141.5 W x 169 D x 201 H mm |
| | (30X) 6.69" W x 7.12" D x 8.98" H / 170 W x 181 D x 228 H mm |
| Weight | (12X) 3.25 lbs (1.47 kg) |
| | (20X) 3.25 lbs (1.47 kg) |
| | (30X) 4.41lbs (2.0 kg) |
| Working Environment | Indoor |
| Operating Temperature | -10°C ~ 40°C (14°F ~ 104°F) |
| Storage Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |

Rear Board Connectors

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|-------------------------|--|
| HD Video Output | 1x RJ45: 10/100/1000M Adaptive Ethernet Port |
| | 1x HDMI: version 2.0 |
| | 1x 3G-SDI: BNC type, 800mVP-p, 75Ω, Along to SMPTE 424M, standard, |
| | 1x USB 2.0 type A |
| LINE IN Interface | 1x 3.5mm Line level Input |
| Communication Interface | 1x 8-pin Mini DIN RS232 Input, Max distance: 98.5ft / 30m, Protocol: VISCA / Pelco-D / Pelco-P |
| | 1x 8-pin Mini DIN RS232 Output, Max distance: 98.5ft / 30m, Protocol: VISCA / Pelco-D / Pelco-P |
| | 1x 2-pin Phoenix port RS485 Input / Output, Max distance: 3,937ft / 1200m, Protocol: VISCA / Pelco-D / Pelco-P |
| IR | 4x IR Addresses, Max distance 30ft / 9m |
| Power Jack | JEITA type (DC IN 12V) |









484-593-2247 | ptzoptics.com/contact | ptzoptics.com









Covered by one or more claims of the HEVC patents listed at patentlist.accessadvance.com.

Product Line

| | | | | |
|---|--|---|--|---|
|  | PT12X-SE-GY-G3 PT20X-SE-GY-G3 PT30X-SE-GY-G3 |  | PT12X-SE-WH-G3 PT20X-SE-WH-G3 PT30X-SE-WH-G3 | 1080p PTZ Camera, 12X, 20X, or 30X optical zoom, HDMI, 3G-SDI, USB3-C, IP Streaming |
|  | PT12X-4K-GY-G3 PT20X-4K-GY-G3 PT30X-4K-GY-G3 |  | PT12X-4K-WH-G3 PT20X-4K-WH-G3 PT30X-4K-WH-G3 | 4K PTZ Camera, 12X, 20X, or 30X optical zoom, NDI® HX 3, HDMI, 3G-SDI, USB2-A, IP Streaming |
|  | PT12X-LINK-4K-GY PT20X-LINK-4K-GY PT30X-LINK-4K-GY |  | PT12X-LINK-4K-WH PT20X-LINK-4K-WH PT30X-LINK-4K-WH | 4K PTZ Camera, 12X, 20X, or 30X optical zoom, Dante™ AV-H ready, 3G-SDI, USB2-A, IP Streaming |
|  | PT-STUDIOPRO | | | 1080p Camera, 12X optical zoom & 16X digital zoom, NDI® HX 3, Includes LED Panel Light |

Accessories

| | | |
|---|--|---|
|  | HC-JOY-G4 | Serial VISCA (RS232, RS485, Pelco-D, Pelco-P) |
|  | PT-JOY-G4 | VISCA over IP (PTZOptics & Sony) or Serial VISCA (RS232, RS485, Pelco-D, Pelco-P) |
|  | PT-SUPERJOY-G1 | VISCA over IP (PTZOptics & Sony), NDI®, Serial VISCA (RS232, RS485, Pelco-D, Pelco-P) |
|  | IR Remote | Wirelessly control your camera with this included IR remote. |
|  | Camera Management Platform | Control your PTZOptics cameras through one convenient, free desktop application |
|  | PTZ Control Pro 2 | The free PTZControl Pro 2 app offers easy control of PTZOptics cameras from any iOS device. |

Mounts

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|---|----------------------------|---|----------------------------|--|
|  | HCM-1-BK |  | HCM-1-WH | Small Universal Wall Mount, mounts directly to wall or box with supplied hardware |
|  | HCM-2-BK |  | HCM-2-WH | Large Universal Wall Mount, mounts directly to wall or box with supplied hardware |
|  | HCM-1C-WH | | | Small Open Base Ceiling Mount, mounts to 1" NPT Pipe |
|  | HCM-2C-WH | | | Large Open Base Ceiling Mount, mounts to 1" NPT pipe |
|  | PT-WM-3-BK |  | PT-WM-3-WH | Large Wall Mount for Move 4K 30X & Link 4K 30X, mounts directly to wall or box with supplied accessories |
|  | PT-CM-1-BK |  | PT-CM-1-WH | Small Surface Ceiling Mount, mounts directly to ceiling or box w / supplied accessories |
|  | PT-CM-3-BK |  | PT-CM-3-WH | Large Surface Ceiling Mount for Move 4K 30X & Link 4K 30X, mounts directly to ceiling or box with supplied accessories |
|  | PT-PM-3-WH | | | Large Open Base Ceiling Mount used for the Move 4K 30X & Link 4K 30X, mounts to 1" NPT pipe |