



Share Your Vision

PTZOptics 12X Move 4K

The PTZOptics Move 4K offers built-in auto-tracking at resolutions up to 4K at 60fps (1080p at 60fps over 3G-SDI) and features a built-in tally light. Available outputs include SDI, HDMI, USB, and NDI@|HX for unrivaled performance and versatility. Compatible with most video production software, including OBS, vMix, Wirecast and more.

Model Numbers:
PT12X-4K-WH-G3 (White)
PT12X-4K-GY-G3 (Gray)

<http://ptzoptics.com/move-4k>

Key Features:

- UltraHD 4K (3840x2160p) video resolutions up to 60 FPS
- Built-in auto-tracking capabilities
- 12X optical zoom lens with a 72.5° horizontal field of view
- High performance 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
- USB 2.0, HDMI 2.0 / 3G-SDI, NDI@|HX 3 / IP streaming (SRT, RTSP, RTMP)
- PoE+ (Power over Ethernet) or 12VDC power supply
- Built in tally light
- Photobooth capable
- 5-year warranty

What's in the Box:

- Camera
- AC Power Supply
- USB A-A Cable
- RS232 Cable
- Quick Start Guide
- IR Remote
- 2 AA Batteries



1. Line in
2. Line Out
3. Resolution Dial
4. RS485 Interface
5. RS232 IN Interface
6. RS232 OUT interface
7. DC 12V
8. LAN (PoE)
9. USB 2.0
10. 3G-SDI Interface
11. HDMI
12. Restore

Image Sensor & Lens

Video Sensor	1/2.5 inch, UHD CMOS sensor. Effective pixels: 8.51M
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
Digital Zoom	Off (3840x2160), 2X (1920x1080), 3X (1280x720), 4X, (960x540), 8X (480x270), 16X (256x144)
Field of View	Horizontal: 6.9° (tele) ~ 72.5° (wide), Vertical: 3.9° (tele) ~ 44.8° (wide)
Min Lux	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
Lens	f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6

Pan / Tilt Movement

Pan Movement	±170°
Pan Speed	1.7° ~ 100°/s
Tilt Movement	+90° to -30°
Tilt Speed	1.7° ~ 69.9°/s
Presets	255 Presets
Video Tracking	Supported
Image Flip, Mirror and Freeze	Supported

Power Options

Power Supply	DC 12V / PoE+ (802.3at)
Input Power	18W (Max)

Physical Specifications

Material	Aluminum, Plastic
Color	PT12X-4K-WH-G3 (White) PT12X-4K-GY-G3 (Gray)
Dimensions (W x D x H)	5.57 W x 5.94 x 7.91 in., 168.4 x 141.5 x 164.5 mm
Weight	3.25 lbs (1.47 kg)
Working Environment	Indoor
Operating Temperature	14°F ~ 104°F (-10°C to 40°C)
Storage Temperature	-40°F ~ 140°F (-40°C to 60°C)

Rear Board Connectors

HD Video Output	1x RJ45: 10/100/1000M Adaptive Ethernet Port 1x HDMI: version 2.0 1x USB 2.0: type A 1x 3G-SDI: BNC type, 800mVP-p, 75Ω, Along to SMPTE 424M standard
Audio 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
Network Interface	RJ45: 10/100/1000M Adaptive Ethernet Port, supports PoE
Power Jack	JEITA type (DC IN 12V)