PTZOPTICS

PTZOptics 20X 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.

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

Key Features:

- UltraHD 4K (3840x2160p) video resolutions up to 60 FPS
- Built-in auto-tracking capabilities
- 20X optical zoom lens with a 60.7° horizontal field of view
- Sony sensors offer 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, HEVC/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
- 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

FIVE 5 YEAR WARRANTY

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 Interace
11. HDMI
12. Restore

Image Sensor & Lens

Video Sensor	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
Digital Zoom	Off (3840x2160), 2X (1920x1080), 3X (1280x720), 4X, (960x540), 8X (480x270), 16X (256x144)
Field of View	Horizontal: 3.5° (tele) ~ 60.7° (wide), Vertical: 1.9° (tele) ~ 34.1° (wide)
Min Lux	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
Lens	f = 6.25mm ~ 125mm, F1.58 ~ F3.95

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	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 Connectorstors

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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) Ethernet Port, support PoE

* HEVC/H.265 is a registered trademark of Access Advance®, LLC

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 Image, 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, Dante™ AV-H ready, 12X, 20X, or 30X optical zoom, 3G-SDI, USB2-A, IP Streaming
PT-STUDIOPRO		1080p Image, NDI®|HX 3, 12X optical zoom & 16X digital zoom, 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

HCM-1-BK	HCM-1-WH	Small Universal Wall Mount, mounts direstly 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, 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, mounts directly to ceiling or box with supplied accessories

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