

PTZOptics Link 4K

The PTZOptics Link 4K offers built-in auto-tracking in 4K at 60fps (1080p at 60fps over SDI) and features Dante AV-H™. Utilize Dante Controller to manage AV connections and fine-tune settings, or hop into Dante Studio to monitor the camera's live video feed. This camera integrates seamlessly into existing Dante systems and is compatible with most video production software.

Key Features:

- 72.5° (12X) or 60.7° (20X) or 59.2° (30X) horizontal field of view
- High performance in low light scenarios with Wide Dynamic Range
- Ultra HD 3840x2160p resolutions up to 60 FPS
- 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
- USB 2.0, HDMI 2.0 / 3G-SDI (HDMI & SDI are not simultaneous)
- PoE+ (Power over Ethernet) or 12VDC power supply
- Auto tracking
- Dante AV-H™ (now 4K capable)
- Built in tally light
- Photobooth capable
- 5-year warranty
- NDAA Compliant

Connections:

- | | | |
|--------------------|--------------|-------------|
| 1. DC 12V | 5. RS 232 In | 9. 3G SDI |
| 2. Line In / Out | 6. RS232 Out | 10. USB 2.0 |
| 3. Resolution Dial | 7. Restore | 11. LAN |
| 4. RS485 Port | 8. HDMI | |



12X & 20X Models
White or Gray

- PT12X-LINK-4K-GY
- PT12X-LINK-4K-WH
- PT20X-LINK-4K-GY
- PT20X-LINK-4K-WH



30X Model
White or Gray

- PT30X-LINK-4K-GY
- PT30X-LINK-4K-WH

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	IP: 3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 720x408, 640x480, & 640x360
	SDI: 1920x1080p-60/59.94/50/30/29.97/25 1920x1080i-60/59.94/50 1280x720p-60/59.94	USB: 3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 640x480, & 640x360
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

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

	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