

## PTZOptics Link 4K

The PTZOptics 4K Link offers built-in auto-tracking at 4K at 60fps (1080p at 60fps over SDI) and features Dante AV-H™ and a built-in tally light. Available outputs include SDI, HDMI and USB for unrivaled performance and versatility. Compatible with most video production software, including OBS, vMix, Wirecast and more.

**Model Numbers:**  
 PT12X-LINK-4K-GY  
 PT20X-LINK-4K-GY  
 PT30X-LINK-4K-GY  
 PT12X-LINK-4K-WH  
 PT20X-LINK-4K-WH  
 PT30X-LINK-4K-WH

[ptzoptics.com/link-4k](http://ptzoptics.com/link-4k)

### 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, 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
- Beamforming microphone
- AI Video based auto tracking
- Dante AV-H™ (Limited to 1080p60)
- Built in tally light
- Photobooth capable
- 5-year warranty



### 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	<b>HDMI:</b> 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 <b>SDI:</b> 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 = 6.25 ~ 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° ~ 100°/s
Tilt Movement	-30° ~ +90°
Tilt Speed	1.7° ~ 69.9°
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	Black, 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)









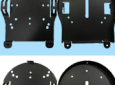



## Product Line

	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, USB2-A, 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

	PT-WC-PP-G1	A wireless data transmission system that functions just like an Ethernet cable up to 400m
	HC-JOY-G3	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, 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