

## 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	<b>(12X)</b> Sony 1/2.5 inch, CMOS, Effective pixels: 8.51M	
	<b>(20X)</b> Sony 1/1.8 inch, CMOS, Effective pixels: 8.42M	
	<b>(30X)</b> 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>IP:</b> 3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 720x408, 640x480, & 640x360
	<b>SDI:</b> 1920x1080p-60/59.94/50/30/29.97/25 1920x1080i-60/59.94/50 1280x720p-60/59.94	<b>USB:</b> 3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 640x480, & 640x360
Lens Zoom	<b>(12X)</b> f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6	
	<b>(20X)</b> f = 6.25mm ~ 125mm, F1.58 ~ F3.95	
	<b>(30X)</b> f = 7.1mm ~ 210mm, F1.61 ~ F5.19	
Field of View	<b>(12X)</b> H 6.9° ~ 72.5°   V 3.9° ~ 44.8°	
	<b>(20X)</b> H 3.5° ~ 60.7°   V 1.9° ~ 34.1°	
	<b>(30X)</b> 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)	<b>(12X)</b> 5.57" W x 6.65" D x 7.91" H / 141.5 W x 169 D x 201 H mm
	<b>(20X)</b> 5.57" W x 6.65" D x 7.91" H / 141.5 W x 169 D x 201 H mm
	<b>(30X)</b> 6.69" W x 7.12" D x 8.98" H / 170 W x 181 D x 228 H mm
Weight	<b>(12X)</b> 3.25 lbs (1.47 kg)
	<b>(20X)</b> 3.25 lbs (1.47 kg)
	<b>(30X)</b> 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](http://ptzoptics.com/contact) | [ptzoptics.com](http://ptzoptics.com)









Covered by one or more claims of the HEVC patents listed at [patentlist.accessadvance.com](http://patentlist.accessadvance.com).

## Product Line

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

## Accessories

	<a href="#">HC-JOY-G4</a>	Serial VISCA (RS232, RS485, Pelco-D, Pelco-P)
	<a href="#">PT-JOY-G4</a>	VISCA over IP (PTZOptics & Sony) or Serial VISCA (RS232, RS485, Pelco-D, Pelco-P)
	<a href="#">PT-SUPERJOY-G1</a>	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.
	<a href="#">Camera Management Platform</a>	Control your PTZOptics cameras through one convenient, free desktop application
	<a href="#">PTZ Control Pro 2</a>	The free PTZControl Pro 2 app offers easy control of PTZOptics cameras from any iOS device.

## Mounts

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