



Studio 4K

Precision. Clarity. Power.

The Studio 4K is your ultimate content and live-streaming fixed lens camera. Available in 12X and 20X optical zoom with up to 16X digital zoom, effortlessly engage your audience with built-in NDI® HX3, SDI, and HDMI outputs.



12X, 20X
Zoom



60 FPS



Control



Tally Light



Built In Microphone: Enhance your productions with the convenience of a built-in microphone.

Multiple Control Options: IR remote, Web UI, PTZ Control App, USB port, PTZOptics Joysticks, Camera Management Platform, and PTZOptics Hive-Studio.

Simultaneous Outputs:

- HDMI or SDI + IP + RTMP + NDI
- HDMI or SDI + USB
- HDMI or SDI + IP + USB

4K Ultra HD: Next generation SONY UHD CMOS sensor for shooting high-quality 4K video at 60 FPS. Adjustable to numerous other resolutions and frame rates.

Simple Network Discovery: Easily discover and connect to a network.



What's in the Box:

- Studio 4K
- 12V 2A International Power Supply
- Lens Cap
- USB A-C Cable
- Quick Start Guide
- IR Remote
- 2 AAA Batteries

Camera & Lens

Model (GY = Gray, WH = White)	PT12X-STUDIO-4K-GY-G3 PT20X-STUDIO-4K-GY-G3 PT12X-STUDIO-4K-WH-G3 PT20X-STUDIO-4K-WH-G3
Lens	(12X) 1/2.8 inch, CMOS (20X) 1/2.8 inch, CMOS
Image Sensor	(12X & 20X) 8MP, Effective Pixels: 8.4M
Digital Zoom	Off (3840x2160), 2X (1920x1080), 4X (960x540) 8X (480x270), 16X (256x144)

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, 720-60/ 59.94/ 50/ 30/ 29.97 SDI: 1920x1080p-60/59.94/50/30/29.97/25, 1280x720p-60/59.94/50/30/29.97
Optical Lens Focal Length (Zoom)	(12X) f = 4.1mm ~ 49.2mm, F1.8 ~ F2.68
	(20X) f = 4.7mm ~ 94mm, F1.6 ~ F3.6
Optical Lens Field of View	(12X) H 6.9° ~ 72.5° V 3.9° ~ 44.8°
Horizontal & Vertical	(20X) H 3.5° ~ 60.7° V 1.9° ~ 34.1°
Display Field of View	(12X) 80.2° (20X) 67.8°
Min Lux	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
Presets	255 Presets
Preset Accuracy	0.1°
Image Flip	Supported
Image Mirror	Supported
Image Freeze	Supported

Physical Specifications

Material	Aluminum, Plastic
Color	Gray
Dimensions (L x W x H)	5.7" L x 2.99" W x 3.09" H 145 mm L x 76 mm W x 78.5mm H
Weight	(12X) 1.5 lbs 0.68kg (20X) 1.4 lbs 0.64kg
Working Environment	Indoor
Humidity Range	10% - 80%
Operating Temperature	14°F ~ 104°F (-10°C ~ 40°C)
Storage Temperature	-40°F ~ 140°F (-40°C ~ 60°C)

Connections

HD Video Output	1x RJ45: 10/100/1000M Adaptive Ethernet Port NDI HX2 enabled
	1x HDMI: version 2.0
	1x USB: 3.0 Type C
	1x 3G-SDI: BNC type, 800mVP-p, 75Ω, Along to SMPTE 424M
Audio Interface	1x 3.5mm Line level Input 1x 3.5mm Line level Output
Video Formats	USB • YUY2: Max resolution: 1920x1080p@30 • MJPEG: Max resolution: 3840x2160p@30 • H.264 AVC & SVC: Max resolution: 3840x2160p@30
	H.265: Max resolution: 3840x2160p@30 (RTSP/NDI HX2 only)
Compression Standards	H.264 / H.265 / MJPEG / YUY2 (H.265 HEVC via RTSP/NDI HX3 only)
UVC Version Supported	UVC 1.1
Supported Protocols	TCP/IP, UDP, HTTP, RTSP, RTMP/RTMPS, ONVIF, NDI HX3, SRT, Multicast, etc.
IR	4x IR Addresses, Max distance 30ft / 9m
Power Supply	JEITA type (DC IN 12V) / PoE (802.3at)
Current Consumption	Max 2A
Power Consumption	Max. 18W

NDA Compliant



Covered by one or more claims of the HEVC patents listed at patentlist.accessadvance.com.

PTZOptics cameras support HIPAA compliance (§164.310, §164.312(a)-(e), §164.308, §164.530) via RBAC, encrypted video, Privacy Mode, audit logs, and secure deployment for telehealth and patient safety.

Made in China or Laos

v3.0 2025-05-08

Pan Tilt Zoom Cameras



[Move 4K](#)



[Link 4K](#)



[Move SE](#)

Box Cameras

Joysticks



[Studio Pro](#)



[Studio SE](#)
Coming soon



[Studio 4K](#)



[SuperJoy](#)



[PTJOY](#)



[HCJOY](#)

Camera Mounts

Wall Mounts

Ceiling Mounts

Pole Mounts



[HCM-1-BK](#)

[HCM-1-WH](#)



[HCM-2-BK](#)

[HCM-2-WH](#)



[PT-WM-3-BK](#)

[PT-WM-3-WH](#)

For
30X Models



[PT-CM-1-BK](#)

[PT-CM-1-WH](#)



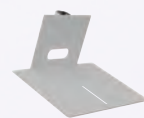
[PT-CM-3-BK](#)

[PT-CM-3-WH](#)

For
30X Models



[HCM-1C-WH](#)



[HCM-2C-WH](#)



[PT-PM-3-WH](#)

For
30X Models

Software



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