



# 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

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

|                                  |                                                                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution and Frame Rate        | <b>HDMI:</b> 3840x2160p-60/59.94/50/30/29.97/25,<br>1920x1080p-60/59.94/50/30/29.97/25,<br>1920x1080i-60/59.94/50,<br>720-60/ 59.94/ 50/ 30/ 29.97<br><b>SDI:</b> 1920x1080p-60/59.94/50/30/29.97/25,<br>1280x720p-60/59.94/50/30/29.97 |
| Optical Lens Focal Length (Zoom) | <b>(12X)</b> f = 4.1mm ~ 49.2mm, F1.8 ~ F2.68                                                                                                                                                                                           |
|                                  | <b>(20X)</b> f = 4.7mm ~ 94mm, F1.6 ~ F3.6                                                                                                                                                                                              |
| Optical Lens Field of View       | <b>(12X)</b> H 6.9° ~ 72.5°   V 3.9° ~ 44.8°                                                                                                                                                                                            |
| Horizontal & Vertical            | <b>(20X)</b> H 3.5° ~ 60.7°   V 1.9° ~ 34.1°                                                                                                                                                                                            |
| Display Field of View            | <b>(12X)</b> 80.2°<br><b>(20X)</b> 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<br>(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                    | <b>(12X)</b> 1.5 lbs   0.68kg<br><b>(20X)</b> 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

|                              |                                                                                                                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HD Video Output</b>       | <b>1x RJ45:</b> 10/100/1000M Adaptive Ethernet Port   NDI HX2 enabled                                                                                                                                            |
|                              | <b>1x HDMI:</b> version 2.0                                                                                                                                                                                      |
|                              | <b>1x USB:</b> 3.0 Type C                                                                                                                                                                                        |
|                              | <b>1x 3G-SDI:</b> BNC type, 800mVP-p, 75Ω, Along to SMPTE 424M                                                                                                                                                   |
| <b>Audio Interface</b>       | 1x 3.5mm Line level Input<br>1x 3.5mm Line level Output                                                                                                                                                          |
| <b>Video Formats</b>         | <b>USB</b> <ul style="list-style-type: none"> <li>• YUY2: Max resolution: 1920x1080p@30</li> <li>• MJPEG: Max resolution: 3840x2160p@30</li> <li>• H.264 AVC &amp; SVC: Max resolution: 3840x2160p@30</li> </ul> |
|                              | H.265: Max resolution: 3840x2160p@30 ( RTSP/NDI HX2 only)                                                                                                                                                        |
| <b>Compression Standards</b> | H.264 / H.265 / MJPEG / YUY2 ( <b>H.265 HEVC via RTSP/NDI HX3 only</b> )                                                                                                                                         |
| <b>UVC Version Supported</b> | UVC 1.1                                                                                                                                                                                                          |
| <b>Supported Protocols</b>   | TCP/IP, UDP, HTTP, RTSP, RTMP/RTMPS, ONVIF, NDI HX3, SRT, Multicast, etc.                                                                                                                                        |
| <b>IR</b>                    | 4x IR Addresses, Max distance 30ft / 9m                                                                                                                                                                          |
| <b>Power Supply</b>          | JEITA type (DC IN 12V) / PoE (802.3at)                                                                                                                                                                           |
| <b>Current Consumption</b>   | Max 2A                                                                                                                                                                                                           |
| <b>Power Consumption</b>     | Max. 18W                                                                                                                                                                                                         |

NDA Compliant



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

## 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

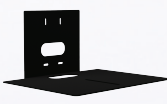
### Ceiling Mounts

### Pole Mounts



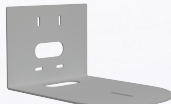
[HCM-1-BK](#)

[HCM-1-WH](#)



[HCM-2-BK](#)

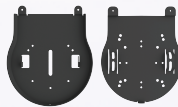
[HCM-2-WH](#)



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

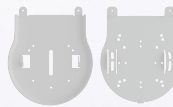
[PT-WM-3-WH](#)

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



[Hive Studio](#)



[Camera  
Management  
Platform](#)



[PTZ  
Control Pro 2](#)

[PTZOptics  
Q-SYS Control  
Plugin](#)

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Integration Partners\*\*](#)