

PTZ4K12G-FNDI-X30

Demand excellence in your video production.

The ultimate professional broadcast grade PTZ in the market - featuring our brand new PTZ4K12G-FNDI-X30. This camera boasts a 4K 9MP 1/1.8" Sony CMOS sensor, 30X optical zoom module, and a plethora of outputs and functionalities to help boost streaming capabilities, and uncap creativity.

From 12G-SDI to Full Bandwidth NDI®, from Genlock to AI-Based Autotracking, this camera will elevate any streaming workflow to unparalleled heights with its unwavering versatility and unmatched excellence to help you get the shot, and get creative!



PTZ4K12G-FNDI-X30 Backside

KEY FEATURES:

| | | | | | | | | | | | | | | | |
|---|---|--------------------------|----------------------|----------------------------|------------------------|-----------------------|------|------------------------------------|-------------------------|------------------------|-------------------------------|------------------------|---|--|--|
| ULTRA-HD 4K | ZOOM 30X <small>Optical Zoom</small> | SDI 12G-SDI | SDI 3G-SDI | NDI® NDI 30p/60p | NDI® NDI-HX3 | NDI® NDI-HX | HDMI | STREAMING RTSP/ RTMP | SRT READY SRT | USB-C TYPE-C | PoE++ CAPABLE PoE++ | SYNC GENLOCK | FIBER SFP+ Module Capable | EMBEDDED TRS Audio 3.5mm Input | EMBEDDED XLR Audio in w/ Phantom Power |
| RECORD Direct SD Card Recording | AUTOTRACK | PROTOCOL FreeD | VISCA IP | VISCA Serial | | | | | | | | | | | |

APPLICATIONS:



BROADCAST ROOMS

THEATRICAL PERFORMANCES

ESPORTS TOURNAMENTS

ACADEMIC LIVESTREAM

HOUSES OF WORSHIP

*NDI® is a registered trademark of Newtek, Inc.

PTZ4K12G-FNDI-X30

Quick Glance:

MOHAWK TALLY LIGHT
THE BEST HEADS UP YOU CAN ASK FOR

AESTHETICALLY DESIGNED
STREAMING NEVER LOOKED THIS GOOD

4K 30X OPTICAL ZOOM
UNPARALLELED QUALITY

REFINED PAN/TILT MOTOR
SILENCE REMAINS GOLDEN

HARDENED ALUMINUM CHASSIS
FOR UNRIVALLED STRENGTH

VERSATILE STREAMING
SIMULTANEOUS OUTPUTS ALWAYS



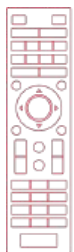
MAIN FEATURES

- The camera utilizes a 4K 9MP UHD Sony CMOS sensor, for enhanced digital imaging beyond, color capture, and realism.
- Its workhorse reliability allows you to simultaneously stream out all sources at once.
- Control via IR remote, Web UI, or HTTP access for full control over the PTZ.
- Beefy design for heating, aesthetics, and durability.
- Full Tally Mohawk for talent recognition, and easier broadcast queuing. Automatically controlled via NDI.
- Genlock capable PTZ for no-lag ultrasynced productions where timing is crucial.
- SFP+ Fiber port for even more added value to match production needs.
- Take in audio over the 3.5mm line in input, or Mini XLR for versatile audio/video embedment needs.
- Capture realism through the virtual world using our FreeD protocol, over all outputs* *only supported via 12G-SDI.
- Automatically track targets with ease using our AI-based Autotrack feature.

SPECIFICATIONS

| | | | |
|--|---|-------------------------|--|
| VIDEO | | LENS MODULE | |
| Image Sensor | 1/1.8" Progressive Sony CMOS | Module | 30X UHD Optical Zoom |
| S/N Ratio | ≥50dB | Lens | f=6.91mm ~ 214.64mm |
| Resolution | 2160p, 1080p, 1080i, 720p | F-stop | F1.35 ~ F4.6 |
| Resolution Rate | Please see following page for full rate per output | H-FOV | 60°(wide) ~ 2° (tele) |
| Outputs | 12G-SDI, 3G-SDI, HDMI, USB, SFP+ slot, RJ45 (NDI®, IP, SRT) | Min. Focus Dist. | 5ft (tele/wide) |
| Min Illumination | 0.5Lux (50 IRE Max AGC, 1/30, F1.8) | STANDARD | |
| White Balance | Auto/Manual/AT/Push/Indoor/Outdoor/Color Temp | IP Protocols | UDP/TCP/IP/ONVIF/PELCO/VISCA/VISCAOVERIP/SRT RTSP/RTMP/NDI®/HTTP |
| White Balance | Auto/Manual/Shutter Priority/Iris Priority Brightness Priority | Audio Input | 3.5 mm line level input Mini-XLR with 48V phantom Power) |
| Pan Rotation Angle | -170° ~+ 170° | PHYSICAL | |
| Tilt Rotation Angle | -90° ~+ 90° | Camera Control | Protocol: VISCA Over IP, VISCA, ONVIF, NDI® |
| Pan Rotation Speed | 0.1° ~+ 80° | Operation Temp | 32°F - 104°F |
| Tilt Rotation Angle | 0.1° ~+ 60° | Dimension | 266.7mm x 228mm x 305mm 10.5" x 9" x 12" (when module is straight up) |
| CAMERA STREAMING MODES (all outputs still simultaneous) | | Weight | 4.59 kg / 10.12lb |
| ROI Priority | Prioritizes 12G-SDI/HDMI/USB outputs | Power | 12VDC (+9 - +15VDC) PoE++ Standard (802.3bt) |
| NDI® High Bandwidth Mode | Prioritizes HB NDI / NDI HX(3) to run simultaneously | | |

PACKAGE CONTENTS



Remote Controller



USB-C Cable



Power Adapter & Cable



Mini XLR to XLR



RS232 Cable

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At **ADIA Imaging**, innovation is key to crafting our tried and tested quality imaging solutions. We strive to raise the bar by engineering and manufacturing cutting edge cameras and converters. From concept to reality, **AIDA Imaging** meticulously creates products that are applicable to various solutions, effective for the global user.

All features, functionality and other product specifications are subject to change without notice or obligation.

CAMERA SUPPORTED VIDEO FORMATS

12G-SDI

| | |
|--------------|--------------------------------------|
| 2160p | 60/50/30/29.97/25/24/23.98 fps |
| 1080p | 60/59.94/50/30/29.97/25/24/23.98 fps |
| 1080i | 60/59.94/50 fps |
| 720p | 60/59.94/50/30/29.97/25/24 fps |

3G-SDI

| | |
|--------------|--------------------------------|
| 1080p | 60/50/30/29.97/25/24/23.98 fps |
| 1080i | 60/59.94/50 fps |
| 720p | 60/59.94/50/30/29.97/25/24 fps |

SFP+

| | |
|--------------|--------------------------------------|
| 2160p | 60/50/30/29.97/25/24/23.98 fps |
| 1080p | 60/59.94/50/30/29.97/25/24/23.98 fps |
| 1080i | 60/59.94/50 fps |
| 720p | 60/59.94/50/30/29.97/25/24 fps |

HDMI 2.0

| | |
|--------------|--------------------------------------|
| 2160p | 60/50/30/29.97/25/24/23.98 fps |
| 1080p | 60/59.94/50/30/29.97/25/24/23.98 fps |
| 1080i | 60/59.94/50 fps |
| 720p | 60/59.94/50/30/29.97/25/24 fps |

USB Type C

| | |
|-----------------|--------------------------------|
| MJPEG | 2160p30/1080p60/720p60/360p60 |
| H264/265 | 2160p30/1080p60/720p60/360p60/ |

Full Bandwidth NDI® / NDI® HX3 / NDI® HX

| | |
|--------------|-----------------------------|
| 2160p | 60/50/30/29.97/25 fps |
| 1080p | 60/59.94/50/30/29.97/25 fps |
| 720p | 60/59.94/50/30/29.97/25 fps |

Substream (locked): 640x360P 30fps~15fps

