

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-HX3 <small>Full Bandwidth</small>	NDI® NDI-HX3	NDI® NDI-HX	HDMI 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 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



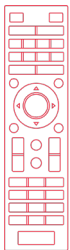
MAIN FEATURES

- 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* *NDI® excluded from FreeD usage
- Automatically track targets with ease using our AI-based Autotrack feature.

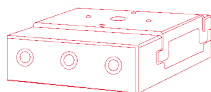
SPECIFICATIONS

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
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
Digital Priority	Prioritizes 12G-SDI/HDMI/USB outputs	Power	12VDC (+9 - +15VDC) PoE++ Standard (802.3bt)
NDI® Dual Mode	Prioritizes NDI / NDI HX(3) to run simultaneously		

PACKAGE CONTENTS



Remote Controller



Camera Mounting Bracket



Power Adapter & Cable



Safety Harness

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

At **AIDA 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

