

**AVer**

**BREAKING  
NEWS**



**CREATE  
NDI® HX3  
ENHANCED  
STREAMS**

**AVer PTZ310UNV2**



zoom

Certified

# NDI®|HX3 PTZ Camera

AVer PTZ310UNV2 is a world-leading NDI®|HX3 PTZ Camera that features enhanced efficiency 4K 60 fps HDMI, USB and IP outputs. The 12X optical zoom lens moves remarkably fluidly to stream seamless video content. Embedded intelligent SmartShoot functionality offers the unprecedented flexibility to shoot anything from one presenter to numerous participants, making for a truly versatile professional streaming solution.

# NDI®



NDI® is a registered trademark of NewTek, Inc.  
NDI®|HX is technology of NewTek, Inc.



NDI®HX3



60 fps



4K Ultra HD



12X Optical Zoom



SmartShoot



IP/HDMI/USB/3G-SDI



Superior Camera Motion



Intuitive Web UI



Upside-Down Installation



Voice Tracking\*

\* Voice Tracking requires PTZ Link software.

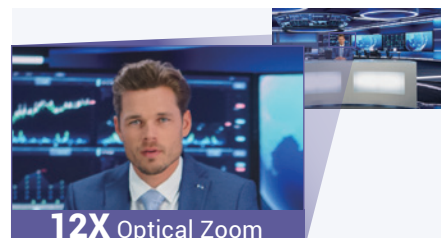
## NDI®HX3 Compatible. The Newest.

Experience PTZ310UNV2's latest NDI® HX3 technology from industry leader NewTek. NDI® HX3 reduces latency and upgrades the video, audio, and connection capabilities, offering up to lossless video for a stunning, efficient stream.



## 12X Optical Zoom. Adapt Quickly.

The PTZ310UNV2's 12X optical zoom camera, combined with its agile auto-focus, gives every participant the chance to be seen with excellent clarity. Never miss a spectacular moment, no matter how small.



## 4K Ultra HD Resolution. Breathtaking.

The 4K Ultra HD resolution of the PTZ310UNV2 makes every stream impressively clear, thanks to the industry-leading Sony sensor. This excellent image processor is able to automatically adjust video – ensuring great looking scenes no matter the situation or distance.



## 4K 60 FPS. HDMI, USB & IP.

Recognized by Newtek, the PTZ310UNV2 features true 4K 60 fps streaming via HDMI, USB, and IP outputs. No annoying settings or messy cords, you can use multiple devices at the same time through the easier and smoother video streaming process.



## SmartShoot. People and Content in Focus.

SmartShoot provides real-time Human Detection, which allows the camera to move automatically and smoothly between 4 preset zones without any manual operation. The PTZ310UNV2 quickly switches between shooting zones by focusing on a presenter, consistently delivering a clear image of people and their content.



## PTZ Link. Bring Voice Tracking to PTZ Cameras.

PTZ Link is the one and only software in the market to connect PTZ Cameras to microphone systems. With the aid of PTZ Link, you can easily turn AVer's PTZ Camera to a voice tracking camera through setting preset points, then automatically switch focus between different speakers.



Camera		General	
Image Sensor	1/2.8" 4K Exmor CMOS	Power Requirement	AC 100 - 240V to DC 12V/2A
Effective Picture Elements	8 Megapixels	Power Consumption	19W
Output Resolutions	4K/60, 4K/59.94, 4K/50, 4K/30, 4K/29.97, 4K/25, 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50	PoE	PoE+
		Dimensions (W x H x D)	180.0 x 192.0 x 145.0 mm
Minimum Illumination	0.46 lux (IRE50, F1.6, 30fps)	Net Weight	2.0 (±0.1) kg
S/N Ratio	≥ 50 dB	Application	Indoor
Gain	Auto, Manual	Tally Lamp	Yes
TV Lines	1600 (Center/Wide)	Security	Kensington Slot
Shutter Speed	1/1 to 1/32,000 sec	Remote Control	Infrared
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Operating Conditions	Temperature : 0 °C to +40 °C ; Humidity : 20% to 80%
White Balance	Auto, Manual, ATW, One Push		Storage Conditions
Optical Zoom	12X	IP Streaming	
Digital Zoom	1X	Resolution	4K 60fps
Total Zoom	12X	Network Video Compress Formats	H.264, H.265, MJPEG
Viewing Angles	DFOV : 80.6° (Wide) to 7.7° (Tele) HFOV : 72.8° (Wide) to 6.7° (Tele) VFOV : 44.1° (Wide) to 3.8° (Tele)	Maximum Frame Rate	4K 60fps
		Bit-Rate Control Modes	VBR, CBR (selectable)
		Range of Bit-Rate Setting	512 Kbps to 120 Mbps
Focal Length	f = 3.9 mm (Wide) to 46.8 mm (Tele)	Network Interface	10 / 100 / 1000 Base-T
Aperture (Iris)	F = 1.6 (Wide) to 2.8 (Tele)	Multi-Stream Capability*	5 4K 60fps: RTSP, HDMI, USB & NDI® HX 1080p 60fps: 3G-SDI
Minimum Working Distance	0.3 m (Wide), 1.5 m (Tele)		Network Protocols
Pan / Tilt Angles	Pan : ±170°, Tilt : +90° / -30°	NDI®HX3	Yes
Pan / Tilt Speed (Manual)	Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec	NDI®Genlock	Yes (available in Q2)
Preset Speed	Pan : 200° / sec, Tilt : 200° / sec	USB	
Preset Positions	10 (IR), 256 (RS-232, RS-422, IP)	Connector	USB 3.1
Camera Control - Interfaces	RS-232 (DIN8), RS-422 (RJ45), IP	Video Formats	MJPEG, YUY2
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP)	Maximum Video Resolution	2160p
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror	USB Video Class (UVC)	UVC 1.1
Power Frequencies	50 Hz, 60 Hz	USB Audio Class (UAC)	UAC 1.0
AI Function		Web UI	
Mode	SmartShoot	Live Video Preview	Yes
Audio		Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Channels	2ch Stereo	Camera / Image Adjustment	Exposure, White Balance, Picture
Codecs	AAC-LC	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Interface		Software Tools	
Video Outputs	3G-SDI, HDMI, IP, USB	IP Search and Configuration Tool	Support Windows® 7 or later
Audio Outputs	3G-SDI, HDMI, IP, USB	PTZ Management	Support Windows® 7 or later
Audio Inputs	MIC in, Line in	PTZ Control Panel	Supports iOS & iPadOS® 11 or later
Warranty		PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
Camera	5 Years	OBS Plugin for PTZ Cameras	Supports Windows® 8 or later, macOS® High Sierra v10.13 or later
Accessories	1 Year	CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later
Package Contents		Optional Accessories	
Camera, Drilling Paper, Ceiling Mount Bracket (x2), Quick Start Guide, Cable Fixing Plate, M2 x 4 mm Screw (x3), Power Adapter & Power Cord, 1/4"-20 L=6.5 mm Screw (x2), Remote Control, M3 x 6 mm Screw (x3), DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties (x4)		AVer CL01 PTZ Camera Controller, L-Type Ceiling Mount	

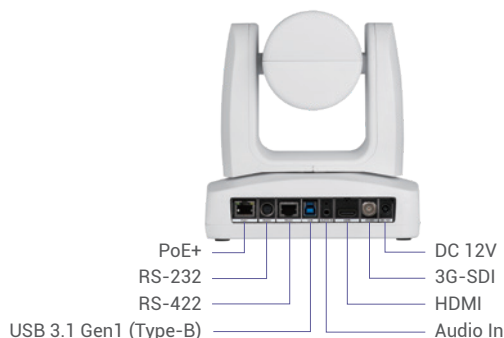
\* When choosing NDI® HX3 Mode, USB video will be disabled.  
 \*\* Specifications may vary depending on location and are subject to change without notice.

Product Appearance

Front & Side



Back



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Distributor/Dealer