AVer

CREATE EXTRAORDINARY STREAMS



AVer PTZ310UV2

zoom Certified

Extron IPLink CERTIFIED

ClickShare

NDI|HX3

Dante AV-H™

Professional PTZ Camera

AVer PTZ310UV2 is a cutting edge PTZ Camera that features 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.



60 fps

4K Ultra HD

12X Optical Zoom

Exmor™ CMOS Sensor

SmartShoot

IP/HDMI/USB/3G-SDI

Superior Camera Motion

Intuitive Web UI

Upside-Down Installation

Voice Tracking*

* Voice Tracking requires PTZ Link software.

12X Optical Zoom. Adapt Quickly.

The PTZ310UV2'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.



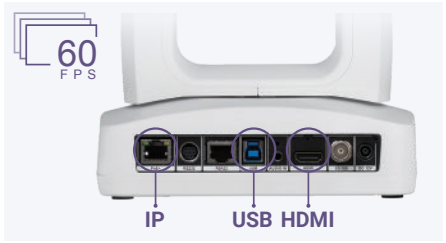
4K Ultra HD Resolution. Breathtaking.

The 4K Ultra HD resolution of the PTZ310UV2 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 PTZ310UV2 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.



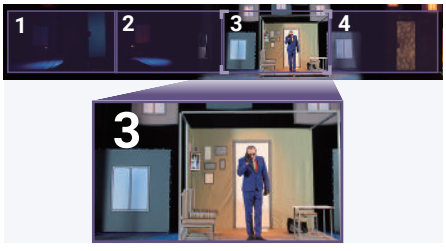
Camera Motion. Adjusted to Perfection.

Customizable movement speed settings from 0.1° to 200° per second deliver agile and precise motion control during streaming. The PTZ310UV2 offers sensitive yet smooth multi-angle movement for capturing an astonishing image.



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 PTZ310UV2 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.



Product Specifications

Camera	
Image Sensor	1/2.8" 4K Exmor CMOS
Effective Picture Elements	8 Megapixels
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
Minimum Illumination	0.46 lux (IRE50, F1.6, 30fps)
S/N Ratio	≥ 50 dB
Gain	Auto, Manual
TV Lines	1600 (Center/Wide)
Shutter Speed	1/1 to 1/32,000 sec
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
White Balance	Auto, Manual, ATW, One Push
Optical Zoom	12X
Digital Zoom	12X
Total Zoom	144X
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)
Focal Length	f = 3.9 mm (Wide) to 46.8 mm (Tele)
Aperture (Iris)	F = 1.6 (Wide) to 2.8 (Tele)
Minimum Working Distance	0.3 m (Wide), 1.5 m (Tele)
Pan / Tilt Angles	Pan : ±170°, Tilt : +90° / -30°
Pan / Tilt Speed (Manual)	Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec
Preset Speed	Pan : 200° / sec, Tilt : 200° / sec
Preset Positions	10 (IR), 256 (RS-232, RS-422, IP)
Camera Control - Interfaces	RS-232 (DIN8), RS-422 (RJ45), IP
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP)
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror
Power Frequencies	50 Hz, 60 Hz
AI Function	
Mode	SmartShoot
Audio	
Channels	2ch Stereo
Codecs	AAC-LC
Interface	
Video Outputs	3G-SDI, HDMI, IP, USB
Audio Outputs	3G-SDI, HDMI, IP, USB
Audio Inputs	MIC in, Line in
Warranty	
Camera	5 Years
Accessories	1 Year
Package Contents	
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)	

General	
Power Requirement	AC 100 - 240V to DC 12V/2A
Power Consumption	19W
PoE	PoE+
Dimensions (W x H x D)	180.0 x 192.0 x 145.0 mm
Net Weight	2.0 (±0.1) kg
Application	Indoor
Tally Lamp	Yes
Security	Kensington Slot
Remote Control	Infrared
Operating Conditions	Temperature : 0 °C to +40 °C ; Humidity : 20% to 80%
Storage Conditions	Temperature : -20 °C to +60 °C ; Humidity : 20% to 95%
IP Streaming	
Resolution	4K 60fps
Network Video Compress Formats	H.264, H.265, MJPEG
Maximum Frame Rate	4K 60fps
Bit-Rate Control Modes	VBR, CBR (selectable)
Range of Bit-Rate Setting	512 Kbps to 120 Mbps
Network Interface	10 / 100 / 1000 Base-T
Multi-Stream Capability **	5 4K 60fps: RTSP, HDMI, USB, & NDI® HX3 / Dante AV-H 1080p 60fps: 3G-SDI
Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
AV over IP Protocols	NDI® HX3 & Dante AV-H
USB	
Connector	USB 3.1
Video Formats	MJPEG, YUY2
Maximum Video Resolution	2160p
USB Video Class (UVC)	UVC 1.1
USB Audio Class (UAC)	UAC 1.0
Web UI	
Live Video Preview	Yes
Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Camera / Image Adjustment	Exposure, White Balance, Picture
Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Software Tools	
IP Search and Configuration Tool	Support Windows® 7 or later
Enterprise Management (PTZ Management)	Support Windows® 10 or later
PTZ Control Panel	Supports iOS & iPadOS® 11 or later
PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
OBS Plugin for PTZ Cameras	Supports Windows® 8 or later, macOS® High Sierra v10.13 or later
CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later
Room Management (PTZApp 2)	Supports Windows® 7 or later, macOS® 11.6 or later
Cloud Management	Supports Windows® 7 or later, macOS® 10 or later
Optional Accessories	
AVer CL01 PTZ Camera Controller, L-Type Ceiling Mount	

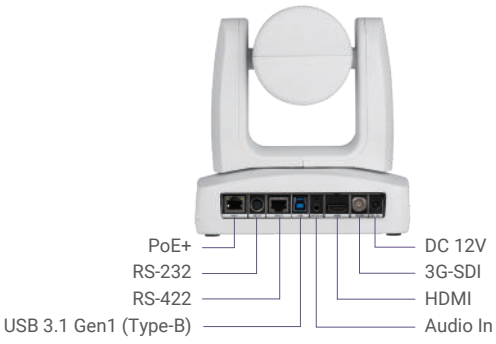
** Specifications may vary depending on location and are subject to change without notice.*
*** When choosing NDI® HX3 Mode, USB video will be disabled.*

Product Appearance

Front & Side



Back



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