PTZ310UV2

12X 4K AI PTZ Camera

SRT READY

TAA NDAA COMPLIANT

AVerCare — Pro AV Guarantee — 24 Hour Replacement | 3 Year Warranty

Capture Your Events With the Best Quality Video and AI!

The AVer PTZ310UV2 12X 4K AI PTZ Camera is our latest generation of PTZs to offer the best image quality, video streaming support and AI functionality. The camera offers 4K resolution, 8MP picture with 60fps and simultaneous output of USB/IP/HDMI/3G-SDI. The PTZ310UV2 features Zoom and Microsoft Teams video mode for easy conference setups and the SRT protocol to optimize video streaming performance across unpredictable networks. Built-in AI functions provide preset content areas or adjust FOV to capture everyone on screen.

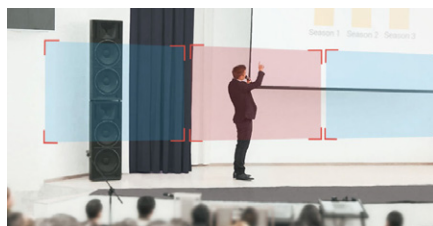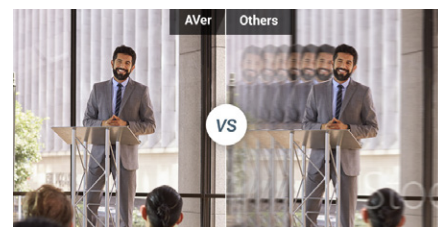| Ultra HD 4K	12X OPTICAL +	4 Output	Supports PoE+	8 MP	AI
4K Resolution	12X Optical Zoom	HDMI, IP, USB, 3G-SDI	Supports PoE+	8MP Picture	AI Functions

4Kp60

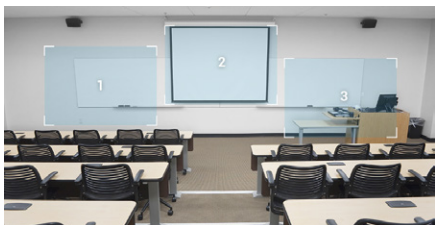- Simultaneous output at 4Kp60 with HDMI/USB/IP

Seamless Content Capture with SmartShoot AI Functions

- Optimize your camera controls for automatic content capturing between preset areas
- Create a multi-camera feel across all your preset zones
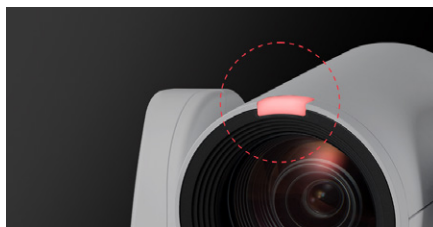- Save time and effort with a variety of shooting ranges

Advanced Motion Control

- Achieve precise camera movement during recording
- Pan/tilt rotation maneuvers as small as 0.1° per step and as fast as 200°
- Customizable speed controls allow you to optimize your recording

Prepare for Any Angle

- Up to 256 different preset locations through VISCA via RS232 and RS422 functionality
- Simplified IR remote and the ability to set 10 preprogrammed preset locations
- Easy manual control of the recording view with outstanding preset locations

Tally Light

Simplify multi-camera live video productions with an illuminated red light on the active camera.
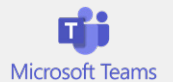
Free Software for Users and AV Managers

Whether you need a simple tool to control your PTZ or TR camera, or manage over a hundred on your network, AVer has great options. CaptureShare and PTZ Management for desktop and AVer PTZ Control Panel for iPad have you covered. For new voice tracking features, look to PTZ Link. Visit our support page for easy download of our desktop software.
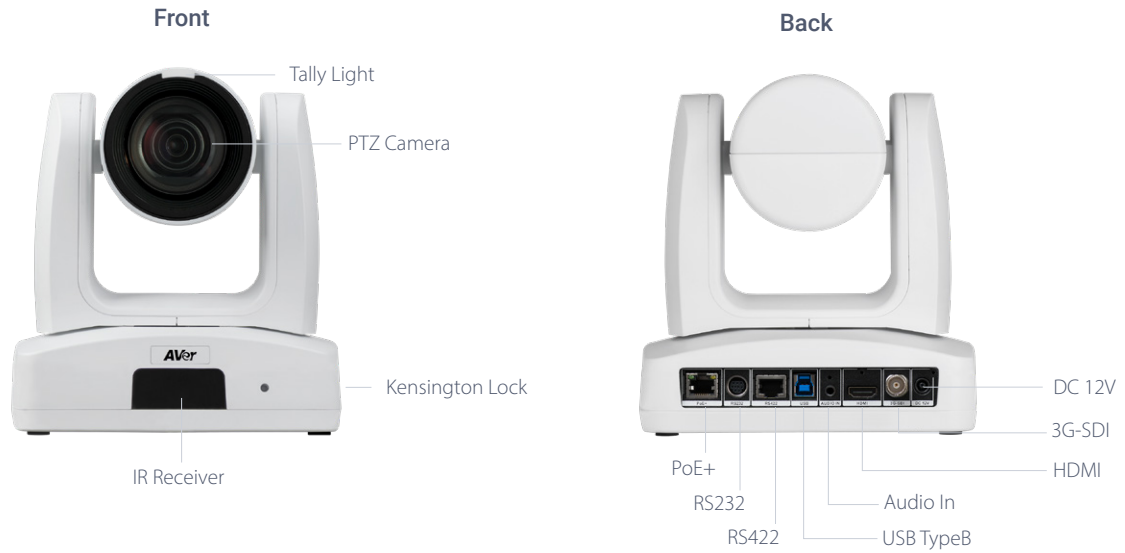
Compatible Software

CRESTRON   echo 360   Extron

Panopto   KALTURA   vMix

zoom   telestream   Microsoft Teams

Product Specifications

PTZ310UV2

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	> 50dB
	Gain	Auto / Manual
	TV Lines	1400 (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	1X
	Total Zoom	12X
	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 Functions	Modes	SmartShoot
Audio	Audio - Channel	2ch Stereo
	Audio - Codec	AAC-LC
Interface	Video Outputs	3G-SDI, HDMI, IP, USB
	Audio Outputs	3G-SDI, HDMI, IP, USB
	Audio Input	MIC in, Line in
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 Light	Yes
	Security	Kensington Slot
	Remote Control	Infrared
	Operating Conditions	Temperature : 0 ℃ to +40 ℃ ; Humidity : 20% to 80%
	Storage Conditions	Temperature : -20 ℃ to +60 ℃ ; 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	4: HDMI / IP / USB(4Kp60) & 3G-SDI(1080P60)
	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, LLDP, VISCA over IP
	NDI®|HX3 Capability	N/A
USB	Connector	USB 3. 0 Type-B
	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
	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS

Software Tools	IP Search and Configuration Tool	Support Windows® 7 or later
	PTZ Management	Support Windows® 7 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
Warranty	Camera	3 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)	
Optional Accessories	AVer CL01 PTZ Camera Controller, L-Type Ceiling Mount	
Ordering Info	Part Number	PTZ310UV2

Hardware Specifications

Front

Tally Light
PTZ Camera
Kensington Lock
IR Receiver

Back

DC 12V
3G-SDI
HDMI
PoE+
RS232
Audio In
RS422
USB TypeB

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