PTC320UV2

AI Auto Tracking PTZ Camera

zoom Certified

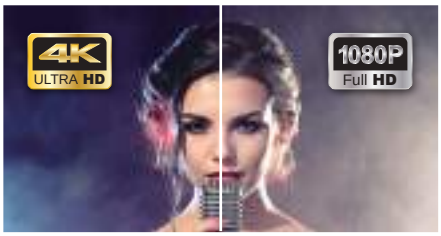
PRECISION MATTERS

The PTC320UV2 AI Auto Tracking PTZ Camera makes powerful and reliable Pro AV capability available to everyone. Drawing inspiration from the AVer Professional PTZ Camera family, the PTC320UV2 features in-house AI functions like Presenter Mode, Zone Mode, and Hybrid Mode auto tracking, thanks to Human Detection processing. Combine the 21X Optical Zoom lens and 4K resolution with hybrid auto tracking and smooth PTZ functions for broadcasting, streaming, or recording. Your exciting journey of audio and video capturing starts here!

- 4K Ultra HD Resolution
- 21X Optical Zoom
- IP/HDMI/ USB/3G-SDI
- Human Detection AI
- Presenter Mode
- Zone Mode
- Hybrid Mode
- Intuitive Web UI
- Upside-Down Installation

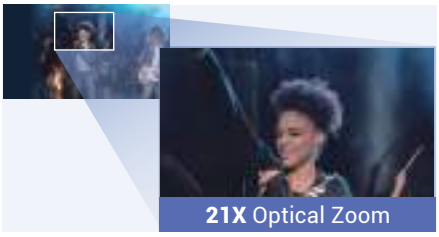
4K Output Resolution

Equipped with 4K resolution, the PTC320UV2 provides ultra-precise auto tracking. The PTC320UV2 also features a Sony sensor that maintains a truly impressive video performance through every frame of your production.



21X Optical Zoom

The zoom power of the PTC320UV2 camera reaches an incredible 252X (including 12X Digital Zoom). It works even while the camera is panning and tilting, allowing you to highlight content and rapidly change shooting angles. Operate a closer and clearer video feed with the unbeatable PTZ performance of the PTC320UV2.

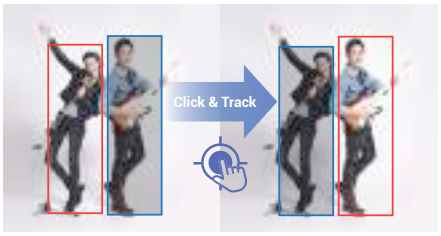


Human Detection AI

Welcome AVer's most advanced AI tool yet—Human Detection. This highly accurate processing function enables PTC320UV2 to easily detect and capture human forms and moving objects in seconds. Never miss a tracking target again.

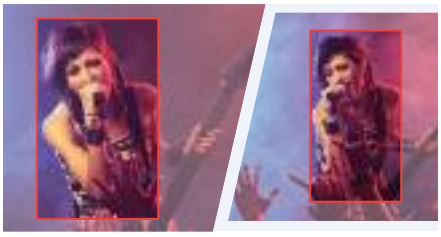
Click & Track

Redirect focus in an instant with the PTC320UV2. Simply click on a target to quickly adjust the shooting angle and initiate precise tracking. This advanced feature is easy for anyone to operate via both remote control and intuitive Web UI.



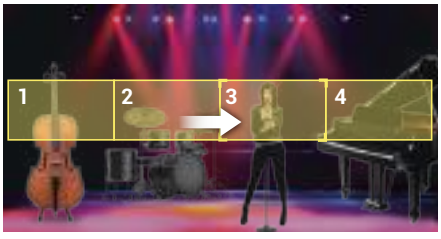
Presenter Mode

Track your target everywhere with Presenter Mode. This feature gives presenters the flexibility to leave the stage and interact with the audience, all while being continuously tracked. The camera stays locked on its target, even if other people or objects get in the way.



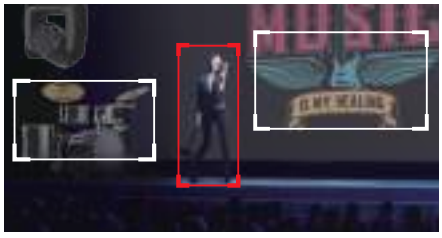
Zone Mode

Zone Mode enhances your ability to capture content on multiple displays. Create up to four content zones to steadily capture the content on display rather than the presenter's movements.



Hybrid Mode

Hybrid Mode provides the utmost freedom of movement for performing artists. Preset effective areas for Zone Tracking in advance, and once you step into those areas, you will be targeted together with the content. When you are outside, you are just like in Presenter Mode.



Product Specifications

Part no. 61S9140000AH
EAN code 4719552127450

Camera	
Image Sensor	1/2.8" 4K Exmor CMOS
Effective Picture Elements	8 Megapixels
Output Resolutions	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	0.5 lux (IRE50, F1.6, 30fps)
S/N Ratio	≥ 50 dB
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	21X
Digital Zoom	12X
Total Zoom	252X
Viewing Angles	DFOV : 66.4° (Wide) to 3.3° (Tele) HFOV : 52.26° (Wide) to 2.66° (Tele) VFOV : 41.26° (Wide) to 2° (Tele)
Focal Length	f = 5.3 mm (Wide) to 110 mm (Tele)
Aperture (Iris)	F = 1.6 (Wide) to 3.8 (Tele)
Minimum Working Distance	1.5 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), 255 (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
Audio	
Channels	2ch Stereo
Codecs	AAC-LC, PCM
Privacy Protection Mechanism	
Protection Mode	Sleep Mode
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
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)	

AI Auto Tracking Functions	
Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode
Interface	
Video Outputs	3G-SDI, HDMI, IP, USB
Audio Outputs	3G-SDI, HDMI, IP, USB
Audio Inputs	MIC in, Line in
General	
Power Requirement	AC 100 - 240V to DC 12V/5A
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 30fps
Network Video Compress Formats	H.264, H.265, MJPEG
Maximum Frame Rate	4K 30fps
Bit-Rate Control Modes	VBR, CBR (selectable)
Range of Bit-Rate Setting	512 Kbps to 32 Mbps
Network Interface	10 / 100 / 1000 Base-T
Multi-Stream Capability	2 (RTSP / Web Page), 4K 30fps (max.)
Network Protocols	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP
NDI®|HX Capability	License Upgrade
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
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

Optional Accessories

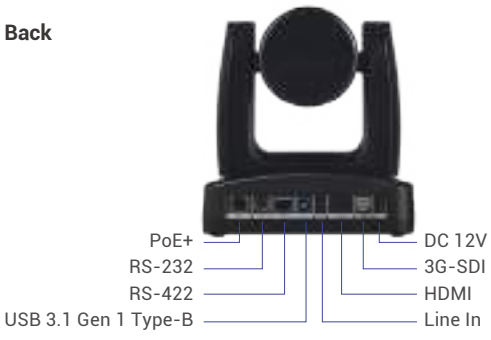
AVer CL01 PTZ Camera Controller, L-Type Ceiling Mount

** Specifications may vary depending on location and are subject to change without notice.*

Product Appearance

Front

Back



AVer

©2022 AVer Information Europe B.V. All rights reserved.
All brand names and logos are trademarks of their respective companies.

www.avereurope.com

CE FC RoHS COMPLIANT

Distributor/Dealer

202212