



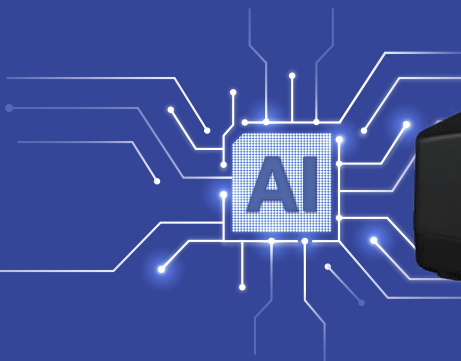
AVer

# PTC320UV2

AI Auto Tracking PTZ Camera

zoom

Certified



AI

# 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

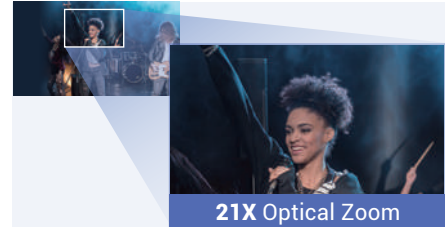
## 4K Output Resolution

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.



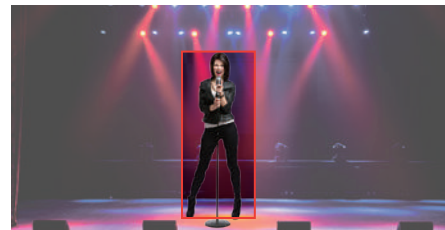
## 21X Optical Zoom

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.



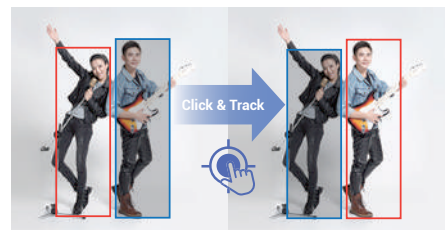
## Human Detection AI

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.



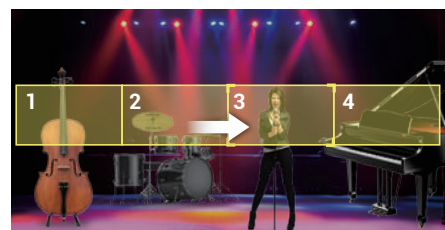
## Presenter Mode

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.



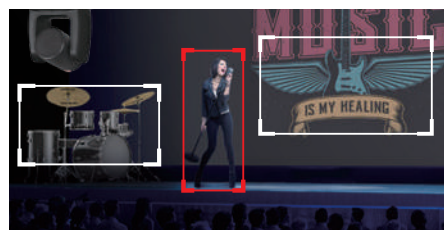
## Zone Mode

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

| Camera                                                                                                                                                                                                                                                                         |                                                                                                                                                         | AI Auto Tracking Functions       |                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------|
| Image Sensor                                                                                                                                                                                                                                                                   | 1/2.8" 4K Exmor CMOS                                                                                                                                    | Tracking Modes                   | Presenter Mode, Zone Mode, Hybrid Mode                                                   |
| Effective Picture Elements                                                                                                                                                                                                                                                     | 8 Megapixels                                                                                                                                            | Interface                        |                                                                                          |
| 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 | Video Outputs                    | 3G-SDI, HDMI, IP, USB                                                                    |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                         | Audio Outputs                    | 3G-SDI, HDMI, IP, USB                                                                    |
| Minimum Illumination                                                                                                                                                                                                                                                           | 0.5 lux (IRE50, F1.6, 30fps)                                                                                                                            | Audio Inputs                     | MIC in, Line in                                                                          |
| S/N Ratio                                                                                                                                                                                                                                                                      | ≥ 50 dB                                                                                                                                                 | General                          |                                                                                          |
| Gain                                                                                                                                                                                                                                                                           | Auto, Manual                                                                                                                                            | Power Requirement                | AC 100 - 240V to DC 12V/5A                                                               |
| TV Lines                                                                                                                                                                                                                                                                       | 1400 (Center/Wide)                                                                                                                                      | Power Consumption                | 19W                                                                                      |
| Shutter Speed                                                                                                                                                                                                                                                                  | 1/1 to 1/32,000 sec                                                                                                                                     | PoE                              | PoE+                                                                                     |
| Exposure Control                                                                                                                                                                                                                                                               | Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR                                                                                                     | Dimensions (W x H x D)           | 180.0 x 192.0 x 145.0 mm                                                                 |
| White Balance                                                                                                                                                                                                                                                                  | Auto, Manual, ATW, One Push                                                                                                                             | Net Weight                       | 2.0 (±0.1) kg                                                                            |
| Optical Zoom                                                                                                                                                                                                                                                                   | 21X                                                                                                                                                     | Application                      | Indoor                                                                                   |
| Digital Zoom                                                                                                                                                                                                                                                                   | 12X                                                                                                                                                     | Tally Lamp                       | Yes                                                                                      |
| Total Zoom                                                                                                                                                                                                                                                                     | 252X                                                                                                                                                    | Security                         | Kensington Slot                                                                          |
| Viewing Angles                                                                                                                                                                                                                                                                 | DFOV : 66.4° (Wide) to 3.3° (Tele)<br>HFOV : 52.26° (Wide) to 2.66° (Tele)<br>VFOV : 41.26° (Wide) to 2° (Tele)                                         | Remote Control                   | Infrared                                                                                 |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                         | Operating Conditions             | Temperature : 0 °C to +40 °C<br>Humidity : 20% to 80%                                    |
| Focal Length                                                                                                                                                                                                                                                                   | f = 5.3 mm (Wide) to 110 mm (Tele)                                                                                                                      | Storage Conditions               | Temperature : -20 °C to +60 °C<br>Humidity : 20% to 95%                                  |
| Aperture (Iris)                                                                                                                                                                                                                                                                | F = 1.6 (Wide) to 3.8 (Tele)                                                                                                                            |                                  |                                                                                          |
| Minimum Working Distance                                                                                                                                                                                                                                                       | 1.5 m (Wide), 1.5 m (Tele)                                                                                                                              | IP Streaming                     |                                                                                          |
| Pan / Tilt Angles                                                                                                                                                                                                                                                              | Pan : ±170°, Tilt : +90° / -30°                                                                                                                         | Resolution                       | 4K 30fps                                                                                 |
| Pan / Tilt Speed (Manual)                                                                                                                                                                                                                                                      | Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec                                                                                                     | Network Video Compress Formats   | H.264, H.265, MJPEG                                                                      |
| Preset Speed                                                                                                                                                                                                                                                                   | Pan : 200° / sec, Tilt : 200° / sec                                                                                                                     | Maximum Frame Rate               | 4K 30fps                                                                                 |
| Preset Positions                                                                                                                                                                                                                                                               | 10 (IR), 255 (RS-232, RS-422, IP)                                                                                                                       | Bit-Rate Control Modes           | VBR, CBR (selectable)                                                                    |
| Camera Control - Interfaces                                                                                                                                                                                                                                                    | RS-232 (DIN8), RS-422 (RJ45), IP                                                                                                                        | Range of Bit-Rate Setting        | 512 Kbps to 32 Mbps                                                                      |
| Camera Control - Protocols                                                                                                                                                                                                                                                     | VISCA (RS-232 / RS-422 / IP),<br>PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP)                                                                          | Network Interface                | 10 / 100 / 1000 Base-T                                                                   |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                         | Multi-Stream Capability          | 2 (RTSP / Web Page), 4K 30fps (max.)                                                     |
| Image Processing                                                                                                                                                                                                                                                               | Noise Reduction (2D / 3D), Flip, Mirror                                                                                                                 | Network Protocols                | IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP |
| Power Frequencies                                                                                                                                                                                                                                                              | 50 Hz, 60 Hz                                                                                                                                            | NDI® HX Capability               | License Upgrade                                                                          |
| Audio                                                                                                                                                                                                                                                                          |                                                                                                                                                         | USB                              |                                                                                          |
| Channels                                                                                                                                                                                                                                                                       | 2ch Stereo                                                                                                                                              | Connector                        | USB 3.1                                                                                  |
| Codecs                                                                                                                                                                                                                                                                         | AAC-LC, PCM                                                                                                                                             | Video Formats                    | MJPEG, YUY2                                                                              |
| Privacy Protection Mechanism                                                                                                                                                                                                                                                   |                                                                                                                                                         | Maximum Video Resolution         | 2160p                                                                                    |
| Protection Mode                                                                                                                                                                                                                                                                | Sleep Mode                                                                                                                                              | USB Video Class (UVC)            | UVC 1.1                                                                                  |
| Web UI                                                                                                                                                                                                                                                                         |                                                                                                                                                         | USB Audio Class (UAC)            | UAC 1.0                                                                                  |
| Live Video Preview                                                                                                                                                                                                                                                             | Yes                                                                                                                                                     | Software Tools                   |                                                                                          |
| Camera PTZ Control                                                                                                                                                                                                                                                             | Pan, Tilt, Zoom, Focus, Preset Control                                                                                                                  | IP Search and Configuration Tool | Support Windows® 7 or later                                                              |
| Camera / Image Adjustment                                                                                                                                                                                                                                                      | Exposure, White Balance, Picture                                                                                                                        | PTZ Management                   | Support Windows® 7 or later                                                              |
| Network Configuration                                                                                                                                                                                                                                                          | DHCP, IP Address, Gateway, Subnet Mask, DNS                                                                                                             | 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                                                                                                                                                                                                                                                               |                                                                                                                                                         |                                  |                                                                                          |
| 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                                                                                                                                                                                                                          |                                                                                                                                                         |                                  |                                                                                          |

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

Product Appearance



Distributor/Dealer