

**AVer**



**CREATE  
EXTRAORDINARY  
STREAMS**



**AVer PTZ310UV2**



# 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.



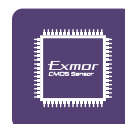
60 fps



4K Ultra HD



12X Optical Zoom



Exmor™ CMOS  
Sensor



SmartShoot



IP/HDMI/USB/3G-SDI



Superior Camera  
Motion



Intuitive Web UI



Upside-Down  
Installation

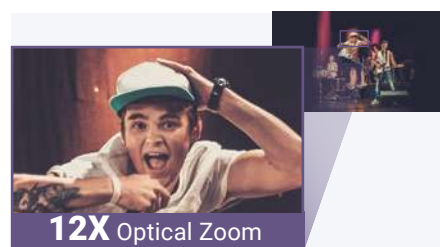


Voice Tracking\*

\* 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                                                                                                                                                                                                                                                                         |                                                                                                                                                                                 | 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                                                                                       |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                 | Net Weight                                            | 2.0 (±0.1) kg                                                                                                  |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                 | Application                                           | Indoor                                                                                                         |
| Minimum Illumination                                                                                                                                                                                                                                                           | 0.46 lux (IRE50, F1.6, 30fps)                                                                                                                                                   | Tally Lamp                                            | Yes                                                                                                            |
| S/N Ratio                                                                                                                                                                                                                                                                      | ≥ 50 dB                                                                                                                                                                         | Security                                              | Kensington Slot                                                                                                |
| Gain                                                                                                                                                                                                                                                                           | Auto, Manual                                                                                                                                                                    | Remote Control                                        | Infrared                                                                                                       |
| TV Lines                                                                                                                                                                                                                                                                       | 1600 (Center/Wide)                                                                                                                                                              | Operating Conditions                                  | Temperature : 0 °C to +40 °C ;<br>Humidity : 20% to 80%                                                        |
| Shutter Speed                                                                                                                                                                                                                                                                  | 1/1 to 1/32,000 sec                                                                                                                                                             |                                                       |                                                                                                                |
| Exposure Control                                                                                                                                                                                                                                                               | Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR                                                                                                                             | Storage Conditions                                    | Temperature : -20 °C to +60 °C ;<br>Humidity : 20% to 95%                                                      |
| White Balance                                                                                                                                                                                                                                                                  | Auto, Manual, ATW, One Push                                                                                                                                                     |                                                       |                                                                                                                |
| 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)<br>HFOV : 72.8° (Wide) to 6.7° (Tele)<br>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                                                                                           |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                 | Network Interface                                     | 10 / 100 / 1000 Base-T                                                                                         |
| Focal Length                                                                                                                                                                                                                                                                   | f = 3.9 mm (Wide) to 46.8 mm (Tele)                                                                                                                                             | Multi-Stream Capability                               | 4<br>4K 60fps: RTSP, HDMI & USB<br>1080p 60fps: 3G-SDI                                                         |
| Aperture (Iris)                                                                                                                                                                                                                                                                | F = 1.6 (Wide) to 2.8 (Tele)                                                                                                                                                    |                                                       |                                                                                                                |
| Minimum Working Distance                                                                                                                                                                                                                                                       | 0.3 m (Wide), 1.5 m (Tele)                                                                                                                                                      | Network Protocols                                     | IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP |
| Pan / Tilt Angles                                                                                                                                                                                                                                                              | Pan : ±170°,<br>Tilt : +90° / -30°                                                                                                                                              |                                                       |                                                                                                                |
| Pan / Tilt Speed (Manual)                                                                                                                                                                                                                                                      | Pan : 0.1° to 100° / sec,<br>Tilt : 0.1° to 100° / sec                                                                                                                          | NDI® HX3                                              | N/A                                                                                                            |
| Preset Speed                                                                                                                                                                                                                                                                   | Pan : 200° / sec,<br>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                                                                                                          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                 | USB Video Class (UVC)                                 | UVC 1.1                                                                                                        |
| Image Processing                                                                                                                                                                                                                                                               | Noise Reduction (2D / 3D), Flip, Mirror                                                                                                                                         | USB Audio Class (UAC)                                 | UAC 1.0                                                                                                        |
| Power Frequencies                                                                                                                                                                                                                                                              | 50 Hz, 60 Hz                                                                                                                                                                    | 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,<br>macOS® 10.14 or later                                                         |
| Camera                                                                                                                                                                                                                                                                         | 3 Years                                                                                                                                                                         | OBS Plugin for PTZ Cameras                            | Supports Windows® 8 or later,<br>macOS® High Sierra v10.13 or later                                            |
| Accessories                                                                                                                                                                                                                                                                    | 1 Year                                                                                                                                                                          |                                                       |                                                                                                                |
| Package Contents                                                                                                                                                                                                                                                               |                                                                                                                                                                                 | CaptureShare                                          | Supports Windows® 7 or later,<br>macOS® 10.14 or later                                                         |
| 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 |                                                                                                                |

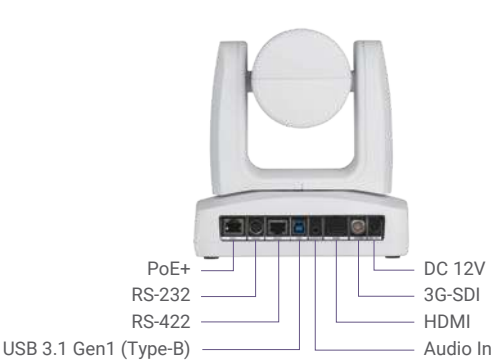
\* Specifications may vary depending on location and are subject to change without notice.

Product Appearance

Front & Side



Back



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Distributor/Dealer