AVer

# CREATE EXTRAORDINARY STREAMS




## AVer PTZ310UV2

zoom
Certified

# 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

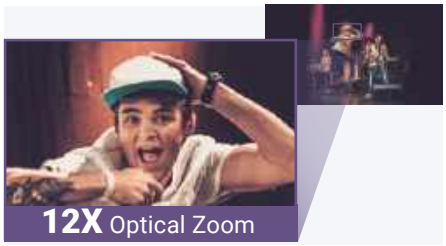
Upside-Down Installation

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.



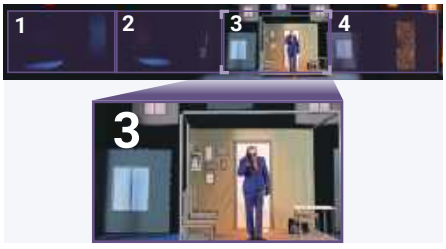

## Camera Motion. Adjusted to Perfection.

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

Part no. 61S3110000AC
EAN code 4719552127542

| 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)<br>HFOV : 72.8° (Wide) to 6.7° (Tele)<br>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°,<br>Tilt : +90° / -30° |
| Pan / Tilt Speed (Manual) | Pan : 0.1° to 100° / sec,<br>Tilt : 0.1° to 100° / sec |
| Preset Speed | Pan : 200° / sec,<br>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 ;<br>Humidity : 20% to 80% |
| Storage Conditions | Temperature : -20 °C to +60 °C ;<br>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<br>4K 60fps: RTSP, HDMI & USB<br>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 |
| NDI®\|HX3 | N/A |
| **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 |
| PTZ Management | Support Windows® 7 or later |
| PTZ Control Panel | Supports iOS & iPadOS® 11 or later |
| PTZ Link | Supports Windows® 7 or later,<br>macOS® 10.14 or later |
| OBS Plugin for PTZ Cameras | Supports Windows® 8 or later,<br>macOS® High Sierra v10.13 or later |
| CaptureShare | Supports Windows® 7 or later,<br>macOS® 10.14 or later |
| **Optional Accessories** | |
| AVer CL01 PTZ Camera Controller, L-Type Ceiling Mount | |

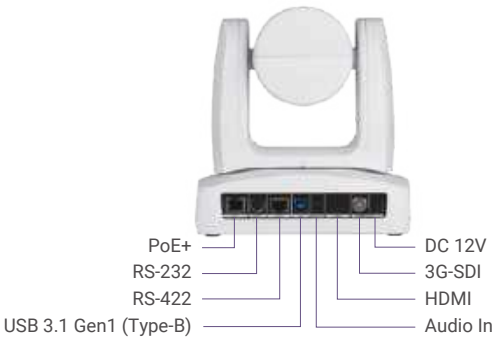
** Specifications may vary depending on location and are subject to change without notice.*

## Product Appearance

**Front & Side**




**Back**




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Distributor/Dealer