

# SMART STREAMING

**AVer PTZ211**

Professional PTZ Camera



Dante AV-H™



AVer's PTZ211 is an advanced PTZ camera that gives you complete control over your streaming content. Enjoy professional-grade streaming with full HD 1080p outputs at 60 fps, a 12X optical zoom, and the cutting-edge SmartShoot feature. Upgrade your livestream performances and dazzle your audience with the PTZ211.



60 fps



Full HD 1080p  
Resolution



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.

## Powerful Zoom: 12X Optical Precision

Experience amazing clarity as our 12X optical zoom camera and rapid autofocus bring every participant into sharp focus. And with advanced zoom performance, you won't overlook any crucial moment.



## Elevated Clarity: FHD Resolution

The PTZ211 enhances your streaming experience with a high-quality Sony sensor and Full HD resolution. The image processor optimizes shot quality automatically, whether it's a close-up or an extreme long shot, delivering an impressive visual experience.



## Simplified Connection: HDMI / USB / IP + 60fps

The PTZ211 supports seamless 60 fps streaming capabilities across HDMI, USB, and IP outputs. Free yourself from intricate settings and cable clutter, all while managing multiple devices seamlessly and maintaining smooth video streaming.



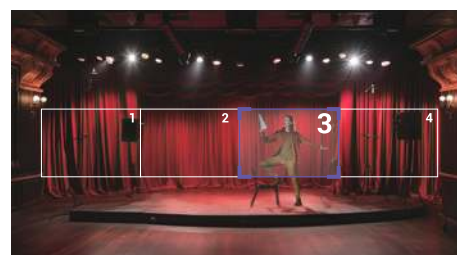
## Work Like a Pro: Fast & Precise

Indulge in the versatility of customizable movement speed, ranging from 0.1° to 200° per second, ensuring exceptional agility and precision. This sensitivity and seamless multi-angle movement allow you to capture captivating footage.



## SmartShoot: Your Content Matters

With its built-in SmartShoot functionality, the PTZ211 uses live Human Detection to autonomously maneuver the camera across up to 4 preset zones. The camera remains focused on the presenter, swiftly transitioning between shooting zones as needed, delivering sharp images of both the presenter and their content.



## PTZ Link: Voice Tracking for PTZ Cameras

Wish you had a way to connect your PTZ camera to a microphone system? Now you can, with PTZ Link — the only software that lets you combine a PTZ camera with audio pickup devices. Easily transform your AVer Pro AV Camera into a voice tracking camera with preset areas that let the camera automatically shift between various speakers. Take your streams from ordinary to extraordinary with PTZ Link's seamless camera and audio integration.



Product Specifications

| Camera                                                                                                                                                                                                                                                                             |                                                                                                                                 | General                          |                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Image Sensor                                                                                                                                                                                                                                                                       | 1/2.8" 1080p Exmor CMOS                                                                                                         | Power Requirement                | AC 100 - 240V to DC 12V/2A                                                                                     |
| Effective Picture Elements                                                                                                                                                                                                                                                         | 2 Megapixels                                                                                                                    | Power Consumption                | 19W                                                                                                            |
| Output Resolutions                                                                                                                                                                                                                                                                 | 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                                                                                                  |
| Minimum Illumination                                                                                                                                                                                                                                                               | 0.46 lux (IRE50, F1.6, 30fps)                                                                                                   | Application                      | Indoor                                                                                                         |
| S/N Ratio                                                                                                                                                                                                                                                                          | ≥ 50 dB                                                                                                                         | Tally Lamp                       | Yes                                                                                                            |
| Gain                                                                                                                                                                                                                                                                               | Auto, Manual                                                                                                                    | Security                         | Kensington Slot                                                                                                |
| TV Line                                                                                                                                                                                                                                                                            | 1000 (Center)                                                                                                                   | Remote Control                   | Infrared                                                                                                       |
| Shutter Speed                                                                                                                                                                                                                                                                      | 1/1 to 1/32,000 sec                                                                                                             | Operating Conditions             | Temperature : 0 °C to +40 °C ;<br>Humidity : 20% to 80%                                                        |
| Exposure Control                                                                                                                                                                                                                                                                   | Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR                                                                             |                                  |                                                                                                                |
| White Balance                                                                                                                                                                                                                                                                      | Auto, Manual, ATW, One Push                                                                                                     | Storage Conditions               | Temperature : -20 °C to +60 °C ;<br>Humidity: 20% to 95%                                                       |
| Optical Zoom                                                                                                                                                                                                                                                                       | 12X                                                                                                                             |                                  |                                                                                                                |
| Digital Zoom                                                                                                                                                                                                                                                                       | 12X                                                                                                                             | IP Streaming                     |                                                                                                                |
| Total Zoom                                                                                                                                                                                                                                                                         | 144X                                                                                                                            | Resolution                       | 1080p 60fps                                                                                                    |
| 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)                  | Network Video Compress Formats   | H.264, H.265, MJPEG                                                                                            |
|                                                                                                                                                                                                                                                                                    |                                                                                                                                 | Maximum Frame Rate               | 1080p 60fps                                                                                                    |
|                                                                                                                                                                                                                                                                                    |                                                                                                                                 | Bit-Rate Control Modes           | VBR, CBR (selectable)                                                                                          |
| Focal Length                                                                                                                                                                                                                                                                       | f = 3.9 mm (Wide) to 46.8 mm (Tele)                                                                                             | Range of Bit-Rate Setting        | 512 Kbps to 120 Mbps                                                                                           |
| Aperture (Iris)                                                                                                                                                                                                                                                                    | F = 1.6 (Wide) to 2.8 (Tele)                                                                                                    | Network Interface                | 10 / 100 / 1000 Base-T                                                                                         |
| Minimum Working Distance                                                                                                                                                                                                                                                           | 0.3 m (Wide), 1.5 m (Tele)                                                                                                      | Multi-Stream Capability **       | 5<br>1080p 60fps: RTSP, HDMI, USB & NDI® HX3 / Dante AV-H<br>1080p 60fps: 3G-SDI                               |
| Pan / Tilt Angles                                                                                                                                                                                                                                                                  | Pan : ±170°, Tilt : +90° / -30°                                                                                                 |                                  |                                                                                                                |
| Pan / Tilt Speed (Manual)                                                                                                                                                                                                                                                          | Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec                                                                             | Network Protocols                | IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP |
| Preset Speed                                                                                                                                                                                                                                                                       | Pan : 200° / sec, Tilt : 200° / sec                                                                                             |                                  |                                                                                                                |
| Preset Positions                                                                                                                                                                                                                                                                   | 10 (IR), 256 (RS-232 / RS-422 / IP)                                                                                             | AV over IP Protocols             | NDI® HX3 & Dante AV-H                                                                                          |
| Camera Control - Interface                                                                                                                                                                                                                                                         | RS-232 (DIN8), RS-422 (RJ45), IP                                                                                                | USB                              |                                                                                                                |
| Camera Control - Protocols                                                                                                                                                                                                                                                         | VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), ONVIF                                              | Connector                        | USB 3.1                                                                                                        |
|                                                                                                                                                                                                                                                                                    |                                                                                                                                 | Video Formats                    | MJPEG, YUY2                                                                                                    |
| Image Processing                                                                                                                                                                                                                                                                   | Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC                                                                               | Maximum Video Resolution         | 1080p                                                                                                          |
| Power Frequencies                                                                                                                                                                                                                                                                  | 50 Hz, 60 Hz                                                                                                                    | USB Video Class (UVC)            | UVC 1.1                                                                                                        |
| AI Function                                                                                                                                                                                                                                                                        |                                                                                                                                 | USB Audio Class (UAC)            | UAC 1.0                                                                                                        |
| Mode                                                                                                                                                                                                                                                                               | SmartShoot                                                                                                                      | Web UI                           |                                                                                                                |
| Privacy Protection Mechanism                                                                                                                                                                                                                                                       |                                                                                                                                 | Live Video Preview               | Yes                                                                                                            |
| Protection Mode                                                                                                                                                                                                                                                                    | Sleep Mode                                                                                                                      | Camera PTZ Control               | Pan, Tilt, Zoom, Focus, Preset Control                                                                         |
| Audio                                                                                                                                                                                                                                                                              |                                                                                                                                 | Camera/Image Adjustment          | Exposure, White Balance, Picture                                                                               |
| Channels                                                                                                                                                                                                                                                                           | 2ch Stereo                                                                                                                      | Network Configuration            | DHCP, IP Address, Gateway, Subnet Mask, DNS                                                                    |
| Codecs                                                                                                                                                                                                                                                                             | AAC-LC                                                                                                                          | Software Tools                   |                                                                                                                |
| Sample Rate                                                                                                                                                                                                                                                                        | 48 KHz                                                                                                                          | IP Search and Configuration Tool | Support Windows® 7 or later                                                                                    |
| Interface                                                                                                                                                                                                                                                                          |                                                                                                                                 | Enterprise Management            | Supports Windows® 10 or later                                                                                  |
| Video Outputs                                                                                                                                                                                                                                                                      | 3G-SDI, HDMI, IP, USB                                                                                                           | Control Panel                    | Supports iOS & iPadOS® 11 or later                                                                             |
| Audio Outputs                                                                                                                                                                                                                                                                      | 3G-SDI, HDMI, IP, USB                                                                                                           | PTZ Link                         | Supports Windows® 7 or later, macOS® 10.14 or later                                                            |
| Audio Inputs                                                                                                                                                                                                                                                                       | MIC in, Line in                                                                                                                 | OBS Plugin for PTZ Cameras       | Supports Windows® 8 or later, macOS® High Sierra v10.13 or later                                               |
| Warranty                                                                                                                                                                                                                                                                           |                                                                                                                                 |                                  |                                                                                                                |
| Camera                                                                                                                                                                                                                                                                             | 5 Years                                                                                                                         | CaptureShare                     | Supports Windows® 7 or later, macOS® 10.14 or later                                                            |
| Accessories                                                                                                                                                                                                                                                                        | 1 Year                                                                                                                          | Room Management                  | Supports Windows® 7 or later, macOS® 11.6 or later                                                             |
|                                                                                                                                                                                                                                                                                    |                                                                                                                                 | Cloud Management                 | Supports Chrome™ & Microsoft Edge browsers                                                                     |
| Package Contents                                                                                                                                                                                                                                                                   |                                                                                                                                 |                                  |                                                                                                                |
| Camera, Drilling Paper, Ceiling Mount Bracket (x2), Quick Start Guide, Cable Fixing Plate (x2), 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 Tie (x4) |                                                                                                                                 |                                  |                                                                                                                |
| Optional Accessories                                                                                                                                                                                                                                                               |                                                                                                                                 |                                  |                                                                                                                |
| AVer CL01 PTZ Camera Controller, L-Type Wall Mount                                                                                                                                                                                                                                 |                                                                                                                                 |                                  |                                                                                                                |

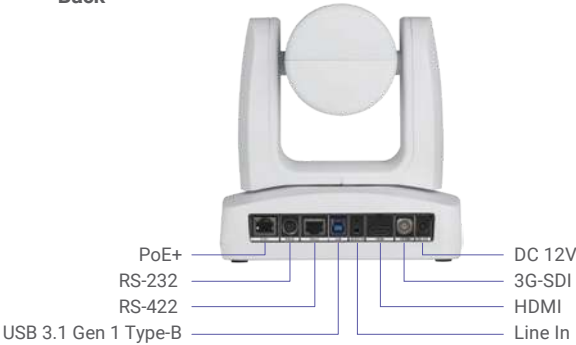
\* Specifications may vary depending on location and are subject to change without notice.  
\*\* When choosing NDI® HX3 Mode, USB video will be disabled.

Product Appearance

Front



Back



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