

AVer



PTC310

AI Auto Tracking PTZ Camera



AI

YES, WE TRACK.

The PTC310 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 PTC310 features in-house AI functions like Presenter Mode and Zone Mode auto tracking, thanks to Human Detection processing. Embrace its 12X optical zoom lens and Full HD1080p resolution with hybrid auto tracking and smooth PTZ functions for broadcasting, streaming, or recording. Your exciting journey of audio and video capturing starts here!



Full HD 1080p
Resolution



12X Optical
Zoom



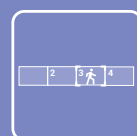
IP/HDMI/
USB/3G-SDI



Human
Detection AI



Presenter
Mode



Zone Mode



Intuitive
Web UI



Exclusive
Ceiling Mount

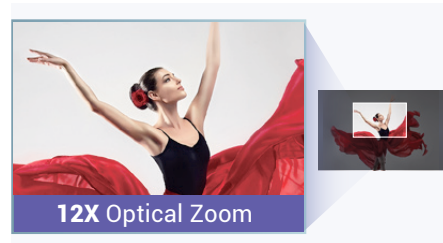
Full HD 1080p Output Resolution

Equipped with Full HD 1080p resolution, the PTC310 provides ultra-precise auto tracking. The PTC310 also features a Sony sensor that maintains a truly impressive video performance through every frame of your production.



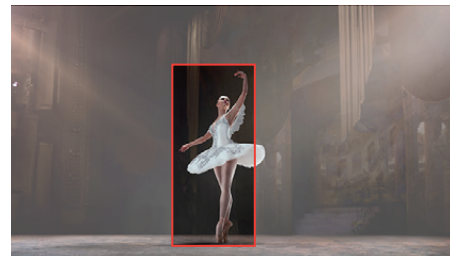
12X Optical Zoom & 2X Sensor Zoom

The zoom power of the PTC310 camera reaches an incredible 24X (12X optical and 2X sensor 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 PTC310.



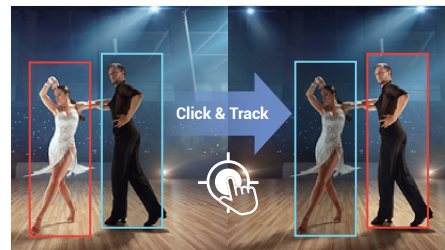
Human Detection AI

Welcome AVer's most advanced AI tool yet—Human Detection. This highly accurate processing function enables PTC310 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 PTC310. 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.



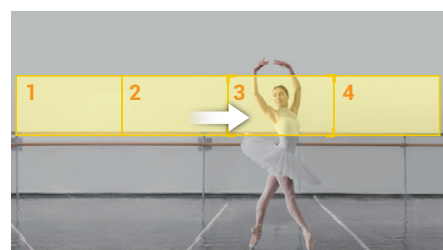
Presenter Mode

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.



Product Specifications

| Camera | | AI Auto Tracking Functions | |
|--|--|---|--|
| Image Sensor | 1/2.8" 1080p Exmor CMOS | Tracking Modes | Presenter Mode, Zone Mode |
| Effective Picture Elements | 2 Megapixels | Interface | |
| Output Resolutions | 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/50, 720p/60, 720p/59.94, 720p/50 | Video Outputs | 3G-SDI, HDMI, IP, USB |
| Minimum Illumination | 0.4 lux (IRE50, F1.6, 30fps) | Audio Outputs | 3G-SDI, HDMI, IP, USB |
| S/N Ratio | ≥ 50 dB | Audio Inputs | MIC in, Line in |
| Gain | Auto, Manual | General | |
| TV Line | 900 (Center) | Power Requirement | AC 100 - 240V to DC 12V/5A |
| Shutter Speed | 1 / 1 to 1 / 32,000 sec | Power Consumption | 18W |
| Exposure Control | Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR | PoE | PoE+ |
| White Balance | Auto, Manual | Dimensions (W x H x D) | 180.0 x 183.5 x 145.0 mm |
| Optical Zoom | 12X | Net Weight | 1.7 (±0.1) kg |
| Digital Zoom | 12X | Application | Indoor |
| Sensor Zoom | 2X | Tally Lamp | Yes |
| Viewing Angles | DFOV : 78° (Wide) to 7° (Tele) HFOV : 70° (Wide) to 6° (Tele) VFOV : 42° (Wide) to 3° (Tele) | Security | Kensington Slot |
| | | Remote Control | Infrared |
| | | Operating Conditions | Temperature : 0 °C to +40 °C Humidity : 20% to 80% |
| Focal Length | f = 3.9 mm (Wide) to 46.8 mm (Tele) | Storage Conditions | Temperature : -20 °C to +60 °C Humidity : 20% to 95% |
| Aperture (Iris) | F = 1.6 (Wide) to 2.8 (Tele) | IP Streaming | |
| Minimum Working Distance | 0.3 m (Wide), 1.5 m (Tele) | Resolution | 1080p 60fps |
| Pan/Tilt Angles | Pan : ±170°, Tilt : +90° / -30° | Network Video Compress Formats | H.264, H.265, MJPEG |
| Pan/Tilt Speed (Manual) | Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec | Maximum Frame Rate | 1080p 60fps |
| Preset Speed | Pan : 200° / sec, Tilt : 200° / sec | Bit-Rate Control Modes | VBR, CBR (selectable) |
| Preset Positions | 10 (IR), 256 (RS-232 / RS-422 / IP) | Range of Bit-Rate Setting | 512 Kbps to 32 Mbps |
| Camera Control - Interfaces | RS-232 (DIN8), RS-422 (RJ45), IP | Network Interfaces | 10 / 100 / 1000 Base-T |
| Camera Control - Protocols | VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP) | Multi-Stream Capability | 2 (RTSP / Web Page), 1080p 60fps (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 | USB | |
| Audio | | Connector | USB 3.0 |
| Channels | 2ch Stereo | Video Format | MJPEG |
| Codecs | AAC-LC (48 / 44.1 / 32 / 24K), G.711, PCM (8K) | Maximum Video Resolution | 1080p |
| Sample Rates | 48 / 44.1 / 32 / 24 / 16 / 8 KHz | 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 | Support iPadOS® v11 or later |
| Warranty | | CaptureShare | Support Windows® 7 or later |
| Camera | 3 Years | Package Contents | |
| Accessories | 1 Year | Camera, Remote Control, RS-232 In/Out Cable, Din 8 To D-Sub 9 Cable, Power Adapter, Power Cord, Cable Ties (x 5), Screws (x 10), Cable Fixing Plates (x 2), Ceiling Mount Brackets (x 2), Quick Start Guide | |
| Optional Accessories | | | |
| AVer CL01 PTZ Camera Controller, L-Type Wall Mount | | | |

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

Product Appearance



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Distributor/Dealer