

AVer



PTC500+

Professional Auto Tracking Camera



Professional PTZ Camera Provider

The Future of Tracking

USB Connectivity Rocks!

Are you ready to experience plug-and-play video streaming? New USB connectivity for the PTC500+ allows you to shift from audience mode to presenter mode during a video conferencing session. Also, unparalleled UVC and UAC protocols make these cameras compatible with popular streaming and broadcasting software so you can go live anytime.



Up to 30X Optical Zoom

A PTZ camera with a 30X optical zoom and a 350° pan and 120° tilt radius make the PTC500+ ideal for large classrooms or auditoriums. Full HD 1080p 60fps video and a powerful remote autofocus function display important details distinctly, capturing the full joy of the classroom with the most realistic and dynamic image quality.



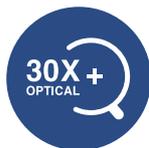
No Extra Devices Needed

The PTC500+ uses exclusive algorithms to automatically track a presenter's face and movements. That means teachers can freely walk around the class to guide students without any accessories. Forget about the restrictions, security, and expense of a wearable device, and focus on building zero-distance interactive teaching.



Dual Lens Design

A dual lens design integrates a PTZ camera with a panoramic 120° FOV secondary camera to track the speaker and simultaneously capture the classroom. Also, you can enable and adjust PIP mode while capturing. Clearly present every detail and never miss a teachable moment.



30X Optical Zoom



120° FOV



3 Tracking Modes



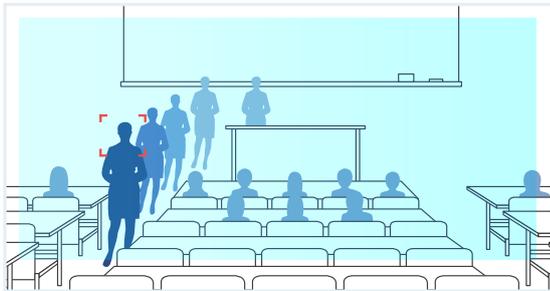
Multi-Presenter Detection



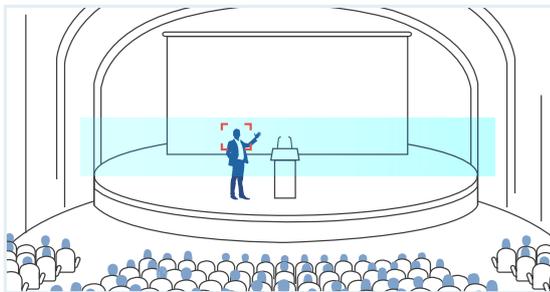
USB/IP/HDMI/3G-SDI

Three AI Tracking Modes

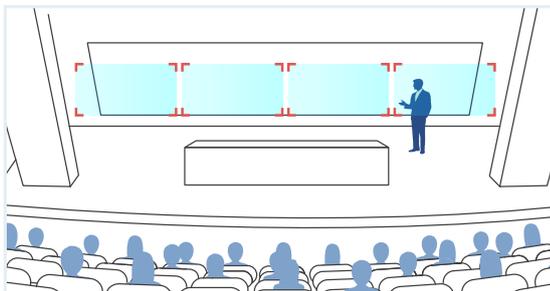
Enjoy three different tracking modes with the PTC500+.



Wide Area Tracking follows presenters on and off the stage, even when they become obscured by other people or objects.

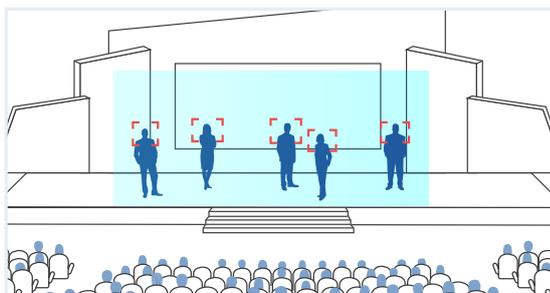


Stage Tracking fluidly tracks targets across a stage, with Effective Zone settings allowing for up to eight blocking zones so you can capture professional-looking video.



Segment Tracking enables you to set up to four Content Zones and perfectly capture the displays rather than the presenter.

More AI Benefits



Multi-Presenter Detection accurately helps when there are two or more people in the effective area. This feature allows the camera to continue tracking when teachers conduct group discussions, interactive games, and more in front of the class. Use one camera to capture every detail of every learning situation.

* Multi-Presenter Detection only works in Wide Area Tracking and Stage Tracking modes.

Product Specifications

| PTZ Camera | | AI Auto Tracking Functions | |
|--|---|--|---|
| Image Sensor | 1/2.8" 1080p Low Lux CMOS | Tracking Modes | Wide Area, Stage, Segment |
| Effective Picture Elements | 2 Megapixels | Web UI | |
| Output Resolutions | Auto, 1080p/60, 1080p/50, 1080p/30, 1080i/60, 1080i/50, 720p/60 | Live Video Preview | Yes |
| Minimum Illumination | 0.47 Lux (IRE50, F1.6, 60fps); 0.23 Lux (IRE50, F1.6, 30fps) | Camera PTZ Control | Pan, Tilt, Zoom, Focus, Preset Control |
| S/N Ratio | > 50 dB | Camera/Image Adjustment | Exposure, White Balance, Picture |
| Gain | Auto, Manual | Network Configuration | DHCP, IP Address, Gateway, Subnet Mask, DNS |
| TV Lines | 900 (Center), 600 (Corner) | General | |
| Shutter Speed | 1/5 to 1/32,000 sec | Power Requirement | AC 110–220V to DC 12V/5A |
| Exposure Control | Auto, Manual, Priority AE (Shutter, IRIS) | Power Consumption | 24W |
| White Balance | Auto, Manual | PoE | PoE+ |
| Optical Zoom | 30X | Dimensions (W x H x D) | 202 x 178 x 210 mm |
| Digital Zoom | 12X | Net Weight | 1.75 (±0.1) kg |
| Sensor Zoom | 1X | Application | Indoor |
| Viewing Angles | DFOV : 73° (Wide) to 2.6° (Tele) | Tally Lamp | N/A |
| | HFOV : 65° (Wide) to 2.3° (Tele) | Security | Kensington Slot |
| | VFOV : 38° (Wide) to 1.3° (Tele) | Remote Control | Infrared |
| Focal Length | f = 4.3 mm (Wide) to 129 mm (Tele) | Operating Conditions | Temperature: 0°C to 40°C Humidity: 20% to 80% |
| Aperture (Iris) | F = 1.6 (Wide) to 4.7 (Tele) | Storage Conditions | Temperature: -20°C to 60°C Humidity: 20% to 95% |
| Minimum Working Distance | 0.1 m (Wide), 1.2 m (Tele) | IP Streaming | |
| Pan / Tilt Angles | Pan: ±175°, Tilt: +90°/-30° | Resolution | 1080p 60fps (Dual Stream) |
| Pan / Tilt Speed (Manual) | Pan: 2° to 50°/sec, Tilt: 2° to 50°/sec | Network Video Compression Formats | H.264, MJPEG |
| Preset Speed | Pan: 160°/sec, Tilt: 160°/sec | Maximum Frame Rate | 1080p 60fps (Dual Stream) |
| Preset Positions | 10 (IR), 256 (RS-232) | Bit-Rate Control Modes | CBR |
| Camera Control - Interfaces | RS-232 (DIN8)/IP | Bit-Rate Range Setting | 512 Kbps to 6 Mbps |
| Camera Control - Protocols | VISCA (RS-232/IP), PELCO-D & PELCO-P (RS-232), CGI (IP) | Network Interface | 10/100/1000 Base-T |
| Image Processing | Noise Reduction | Multi-Stream Capability | 3 (2 for RTSP, 1 for Web Page), 1080p 60fps (max.) |
| Power Frequencies | Auto, 50 Hz, 60 Hz | Network Protocols | IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA Over IP, ONVIF |
| Panoramic Camera (Full View) | | USB | |
| Image Sensor | 1/2.8" 1080p Low Lux CMOS | Connector | USB 2.0 |
| Effective Picture Elements | 2 Megapixels | Video Format | MJPEG, YUY2 |
| Output Resolutions | Auto, 1080p/60, 1080p/30, 720p/60 | Maximum Video Resolution | 1080p |
| Focal Length | 2.12 mm | USB Video Class (UVC) | UVC 1.1 |
| Exposure Control | Auto | USB Audio Class (UAC) | UAC 1.0 |
| White Balance | Auto | Software Tools | |
| Viewing Angles | DFOV: 120° | IP Search and Configuration Tool | Supports Windows® 7 or later |
| | HFOV: 110° | PTZ Management | Supports Windows® 7 or later |
| | VFOV: 74° | PTZ Control Panel | Supports iPadOS® 11 or later |
| Audio | | CaptureShare | Supports Windows® 7 or later, macOS® 10.14 or later |
| Channels | 1ch Mono (RTSP), 2ch Stereo (HDMI/UAC) | Warranty | |
| Codes | AAC-LC (48K), G.711 (8K) | Camera | 3 Years |
| Sample Rates | 48/8 KHz | Accessories | 1 Year |
| Interface | | Package Contents | |
| Video Outputs | USB, IP, HDMI, 3G-SDI | Remote Control, Power Adapter, Power Cord, Quick Start Guide | |
| Audio Outputs | USB, IP, HDMI | | |
| Audio Inputs | Line in | | |
| Optional Accessories | | | |
| AVer CL01 PTZ Camera Controller, L-Type Wall Mount, D-Type Ceiling Mount | | | |

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

Hardware Specifications

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