

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.



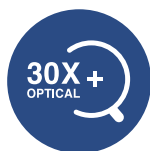
No Extra Devices Needed

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



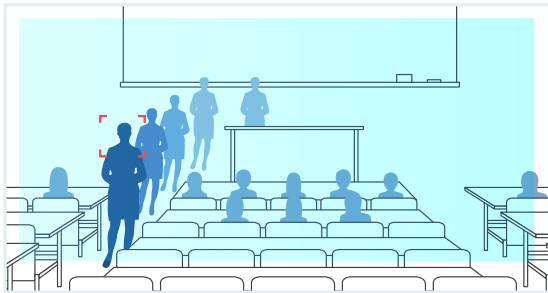
Multi-Presenter Detection



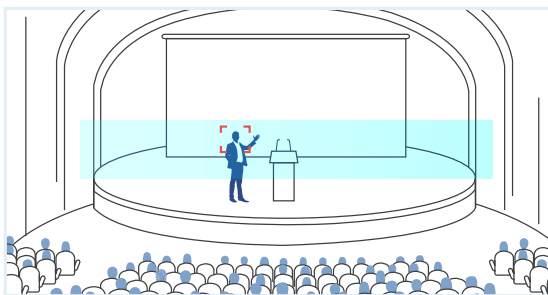
4 Outputs
USB/IP/HDMI/
3G-SDI

Three AI Tracking Modes

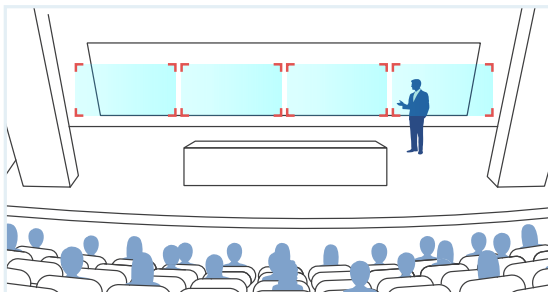
Enjoy three different tracking modes with the PTC500+.



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

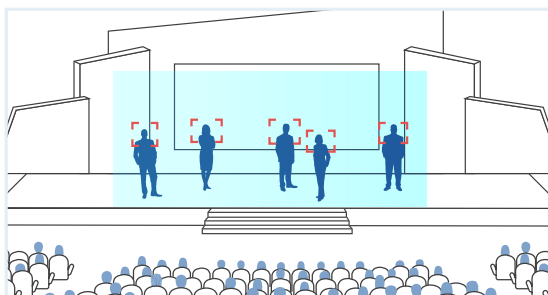


Stage Tracking fluidly tracks targets across a stage, with Effective Zone settings allowing for up to eight blocking zones so you can capture professional-looking video.



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

Part no. 61U9P10000A9 (EU & UK sku)
 EAN code 4719552126590

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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Distributor/Dealer