



# PTC115+

Dual Lens Auto Tracking Camera



# Smarter Tracking



## USB Connectivity Rocks!

Are you ready to experience plug-and-play video streaming? New USB connectivity for the PTC115+ 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.

## 15X Optical Zoom



## Up to 15X Optical Zoom

Featuring a PTZ camera with a 15X optical zoom, the PTC115+ sports a 350° pan and 120° tilt radius that are ideal for classrooms or meeting spaces. Precisely track the moving presenter and distinctly display important details with full HD 1080p 60fps video and a powerful remote autofocus function. Capture the full classroom experience with the most realistic and dynamic image quality.



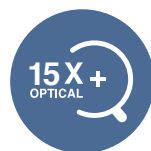
## No Extra Devices Needed

Exclusive algorithms enable the PTC115+ to automatically track a presenter's face and movements. Speakers are free to walk around the classroom to give guidance without wearing any accessories. With no need to worry about the connection restrictions, charging security, or added expense of a wearable device, you can focus on easily building zero-distance interactive teaching.



## Dual Lens Design

The dual lens design integrates a PTZ camera with a super-wide 120° FOV secondary camera to track the speaker and capture a panoramic view of the classroom at the same time. Also, you can enable and adjust PIP mode while capturing to simultaneously view the speaker and the rest of the classroom. Clearly present every detail, and never miss a teachable moment.



15X Optical Zoom



120° FOV



3 Tracking Modes



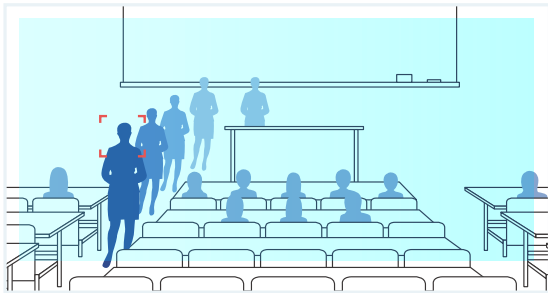
Multi-Presenter Detection



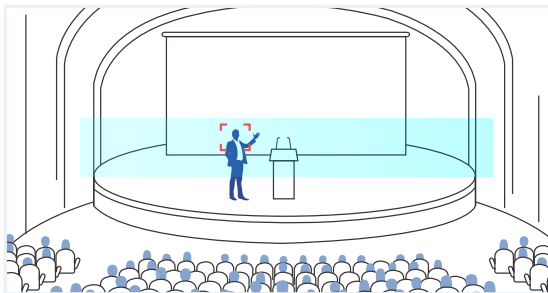
USB/IP/HDMI/3G-SDI

## Three AI Tracking Modes

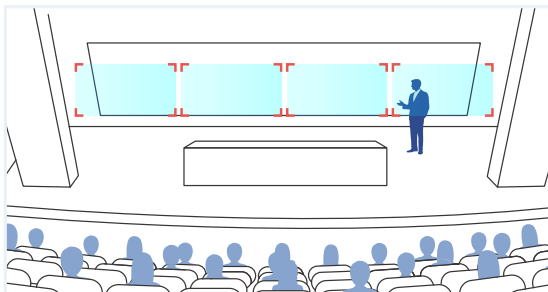
Enjoy three different tracking modes with the PTC115+.



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

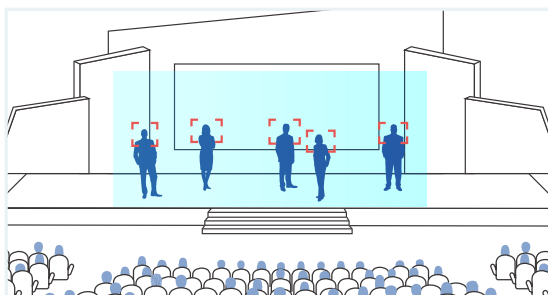


**Stage Tracking** fluidly tracks targets across a stage, with Effective Zone settings allowing for up to eight blocking zones so you can capture professional-looking video.



**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** Industry leading Multi-Presenter Detection accurately helps when there are two or more people in the camera's 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 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	<b>Web UI</b>	
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)	<b>General</b>	
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	15X	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 4.9° (Tele)	Tally Lamp	N/A
	HFOV : 65° (Wide) to 4.3° (Tele)	Security	Kensington Slot
	VFOV : 38° (Wide) to 2.4° (Tele)	Remote Control	Infrared
Focal Length	f = 4.3 mm (Wide) to 64.5 mm (Tele)	Operating Conditions	Temperature: 0°C to 40°C Humidity: 20% to 80%
Aperture (Iris)	F = 1.6 (Wide) to 4.2 (Tele)	Storage Conditions	Temperature: -20°C to 60°C Humidity: 20% to 95%
Minimum Working Distance	0.1 m (Wide), 1.2 m (Tele)	<b>IP Streaming</b>	
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
<b>Panoramic Camera (Full View)</b>		<b>USB</b>	
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	<b>Software Tools</b>	
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
<b>Audio</b>		CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later
Channels	1ch Mono (RTSP), 2ch Stereo (HDMI/UAC)	<b>Warranty</b>	
Codecs	AAC-LC (48K), G.711 (8K)	Camera	3 Years
Sample Rates	48/8 KHz	Accessories	1 Year
<b>Interface</b>		<b>Package Contents</b>	
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		
<b>Optional Accessories</b>			
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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