

**AVer**

**DUAL LENS  
POWERED TRACKING**

**AVer TR535**

Dual Lens Auto Tracking Camera



# AVer TR535

## Dual Lens Auto Tracking Camera

Enter the future of streaming excellence with AVer's TR535, featuring AI auto tracking capabilities for diverse applications. The TR535 offers a stellar 30X zoom and a sweeping wide-angle view. The wide-angle lens captures the whole scene while the 4K PTZ camera zooms in for close-ups, ensuring complete coverage. Fueled by four advanced AI-driven tracking modes, the TR535 delivers unparalleled precision for broadcasting, streaming, and recording environments.



Dual Lens Design



4K Ultra HD



30X Optical Zoom



Versatile Camera Outputs



Human Detection AI



4 AutoTracking Modes



Multi-Presenter Detection



PiP Mode



Voice Tracking\*



5-Year Warranty

\* Voice Tracking requires PTZ Link or MT300(N).



## Incredible Detail X Dual Lens Design

Empower your performances with the TR535's powerful 30X optical zoom PTZ camera delivering detailed shots of specific points of interest. Enhanced by a wide-angle camera, the TR535's AI tracking has greater accuracy, offering expansive views for your audience. The dual lens design minimizes blind spots, ensuring nearly 360-degree coverage with remarkable tracking precision.

## Dual HDMI/USB/IP. Simple Configurations Boost Your Productivity

Activate the TR535's 4K streaming through 2 HDMI, USB, and IP ports. A pair of HDMI outputs connect to two monitors for simultaneous display and capturing. Two separate USB streams via one USB cable to PC/laptop enable independent recording and streaming. Streamline your setup for fluid video production without tangled cables.

## Presenter Mode: Freedom for the Presenter

Discover dynamic tracking precision with Presenter Mode, which breaks through the boundary of the stage. This mode grants the presenter the freedom to interact with the audience while the camera smoothly tracks him/her.

Zone Mode



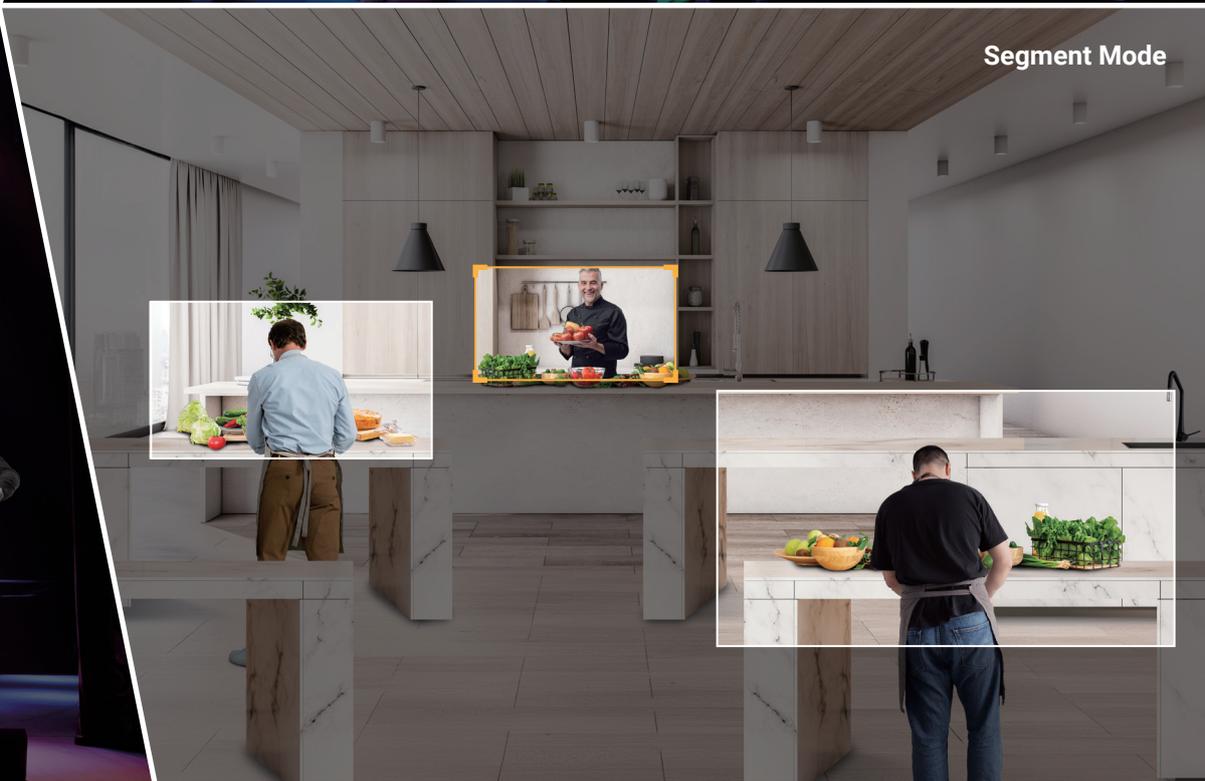
Hybrid Mode



Presenter Mode



Segment Mode



**Zone Mode:  
No More Distractions  
During Presentations**

Maximize your content capturing potential with Zone Mode. With this mode activated, you can create up to four dedicated preset zones to prioritize essential presentation materials over the presenter's constant movement.

**Hybrid Mode:  
Meet Diverse Needs**

Hybrid Mode merges presenter and zone tracking to enhance flexibility for the presenter. By employing pre-defined areas for zone tracking, the camera effortlessly moves through transitions to capture the performer's movements. When the performer moves beyond these zones, the camera seamlessly adapts to presenter mode.

**Segment Mode:  
Unparalleled Customizability**

Segment Mode offers more focus areas than ever before. Simply set the tracking area first, then designate preset points within that area that you want to emphasize. Doing so ensures important elements always stay in frame. By covering a wider area, you'll reduce the need for multiple cameras, leading to a more cost-effective event capturing solution.

# Product Specifications

PTZ Camera		General	
Image Sensor	1/2.8" 4K Exmor CMOS	Power Requirement	AC 100 - 240V to DC 12V/5A
Effective Picture Elements	8 Megapixels	Power Consumption	29W
Output Resolutions	4K/60, 4K/59.94, 4K/50, 4K/30, 4K/29.97, 4K/25, 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)	202.5 x 250.7 x 218.5 mm
Minimum Illumination	0.5 lux (IRE50, F1.6, 30fps)	Net Weight	3.6 (±0.1) kg
S/N Ratio	≥ 50 dB	Application	Indoor
Gain	Auto, Manual	Tally Lamp	Yes
TV Line	1600 (Center)	Security	Kensington Slot
Shutter Speed	1/1 to 1/10,000 sec	Remote Control	Infrared
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Operating Conditions	Temperature : 0 °C to +40 °C ; Humidity : 20% to 80%
White Balance	Auto, Manual, ATW, One Push, Indoor, Outdoor	Storage Conditions	Temperature : -20 °C to +60 °C ; Humidity: 20% to 95%
Optical Zoom	30X	IP Streaming	
Digital Zoom	1X	Resolution	4K 60fps
Total Zoom	30X	Network Video Compress Formats	H.264, H.265, MJPEG
Viewing Angles	DFOV: 69.2° (Wide) to 2.8° (Tele) HFOV: 62.3° (Wide) to 2.5° (Tele) VFOV: 37.3° (Wide) to 1.4° (Tele)	Network Audio Compress Formats	AAC-LC (48 K)
		Maximum Frame Rate	2160p 60fps
		Bit-Rate Control Modes	VBR, CBR (selectable)
		Range of Bit-Rate Setting	512 Kbps to 64 Mbps
Focal Length	f = 4.5 mm (Wide) to 135 mm (Tele)	Network Interface	10 / 100 / 1000 / 2500 Base-T
Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)	Multi-Stream Capability	7 4K 60fps: RTSP (x2), HDMI (x2), & USB (x2) 1080p 60fps: 3G-SDI
Minimum Working Distance	0.1 m (Wide), 1.2 m (Tele)		
Pan / Tilt Angles	Pan: ±170°, Tilt: +90° / -30°	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
Pan / Tilt Speed (Manual)	Pan: 0.1° to 100° / sec, Tilt: 0.1° to 100° / sec		
Preset Speed	Pan: 200° / sec, Tilt : 200° / sec		
Preset Positions	10 (IR), 256 (RS-232 / RS-422 / IP)		
Camera Control - Interface	RS-232 (DIN8), RS-422 (RJ45), IP, USB	NDI® High Bandwidth	N / A
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF	NDI® HX2	
		NDI® Genlock	
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC	NDI® Embedded Bridge	
Power Frequencies	50 Hz, 60 Hz	USB	
Wide Angle Camera		Connector	USB 3.2 Gen 1
Image Sensor	1/2.8" 4K Low Lux CMOS	Video Format	MJPEG, YUY2
Effective Picture Elements	8 Megapixels	Audio Format	PCM
Output Resolutions	4K/30	Maximum Video Resolution	2160p
Focal Length	2.22 mm	USB Video Class (UVC)	UVC 1.1
White Balance	Auto	USB Audio Class (UAC)	UAC 1.0
Exposure	Auto	Web UI	
Viewing Angles	DFOV:113°, HFOV: 105°, VFOV: 71°	Live Video Preview	Yes
Pan / Tilt Angles	Tilt: +18° / -90°	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
AI Auto Tracking Functions		Camera/Image Adjustment	Exposure, White Balance, Picture
Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode, Segment Mode	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Privacy Protection Mechanisms		Software Tools	
Protection Mode	Sleep Mode	IP Search and Configuration Tool	Support Windows® 7 or later
Audio		PTZ Management	Support Windows® 7 or later
Channel	2ch Stereo	PTZ Control Panel	Supports iOS & iPadOS® 9 or later
Codec	AAC-LC (48K)	PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
Sample Rates	48 KHz	OBS Plugin for PTZ Cameras	Supports Windows® 8 or later, macOS® High Sierra v10.13 or later
Interface		CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later
Video Outputs	3G-SDI, HDMI x 2, IP, USB	Warranty	
Audio Outputs	3G-SDI, HDMI x 2, IP, USB	Camera	5 Years
Audio Inputs	Mic in, Line in	Accessories	1 Year
Package Contents		Camera, Remote Control, RS-232 In/Out Cable, Din 8 To D-Sub 9 Cable, Power Adapter, Power Cord, Cable Tie (x7), M2 x 4 mm Screw (x5), M3 x 6 mm Screw (x3), 1/4"-20L 6.5mm Screw (x2), Cable Fixing Plate (x2), Ceiling Mount Bracket (x2), Drilling Paper, 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

Front



Back



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Distributor/Dealer