DUAL LENS POWERED TRACKING

AVer **TR535**

Dual Lens Auto Tracking Camera

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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: 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 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	
Image Sensor	1/2.8" 4K Exmor CMOS
Effecti ve Pictu re Elements	8 Megapi xels
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
Minimum Illumination	0.5 lux (IRE50, F1.6, 30fps)
S/N Ratio	≥ 50 dB
Gain	Auto, Manual
TV Line	1600 (Center)
Shutter Speed	1/1 to 1/10,000 sec
Exposu re Cont rol	Auto, Manual, Priority AE (Shutte r, IRIS), B LC, WDR
White Balance	Auto, Manual, A TW, One Push, Indoo r, Outdoor
Optical Zoom	30X
Digital Zoom	1X
Total Zoom	30X
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)
Focal Length	f = 4.5 mm (Wide) to 135 mm (Tele)
Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)
Minimum Working Distance	0.1 m (Wide), 1.2 m (Tele)
Pan / Tilt Angles	Pan: ±170°, Tilt: +90° / -30°
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 Cont rol - Inte rface	RS-232 (DIN8), RS-422 (RJ45), I P, USB
Camera Cont rol - P rotocols	VISCA (RS-232 / RS-422 / IP), PE LCO-D & PE LCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF
Image P rocessing	Noise Reduction (2D / 3D), Flip, Mir ror, WDR, B LC
Power Frequencies	50 Hz, 60 Hz
Wide Angle Camera	
Image Sensor	1/2.8" 4K Low Lux CMOS
Effecti ve Pictu re Elements	8 Megapi xels
Output Resolutions	4K/30
Focal Length	2.22 mm
White Balance	Auto
Exposu re	Auto
Viewing Angles	DFOV:113°, HF OV: 105°, VF OV: 71°
Pan / Tilt Angles	Tilt: +18° / -90°
AI Auto Tracking Functions	
Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode, Segment Mode
Privacy Protection Mechanisms	
Protection Mode	Sleep Mode
Audio	
Channel	2ch Ste reo
Codec	AAC-LC (48K)
Sample Rates	48 KHz
Interface	
Video Outputs	3G-SDI, HDMI x 2, I P, USB
Audio Outputs	3G-SDI, HDMI x 2, I P, USB
Audio Inputs	Mic in, Line in
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 Cont roller, L-Type Wall Mount

General	
Power Requi rement	AC 100 - 240V to DC 12V/5A
Power Consumption	29W
PoE	PoE++
Dimensions (W x H x D)	202.5 x 250.7 x 218.5 mm
Net Weight	3.6 (±0.1) kg
Application	Indoor
Tally Lamp	Yes
Security	Kensington Slot
Remote Cont rol	Infra red
Operating Conditions	Temperatu re : 0 °C to +40 °C ; Humidity : 20% to 80%
Storage Conditions	Temperatu re : -20 °C to +60 °C ; Humidit y: 20% to 95%
IP Streaming	
Resolution	4K 60fps
Network Video Comp ress Formats	H.264, H.265, MJPEG
Network Audio Comp ress Formats	AAC-LC (48 K)
Maximum Frame Rate	2160p 60fps
Bit-Rate Cont rol Modes	VBR, CBR (selectable)
Range of Bit-Rate Setting	512 Kbps to 64 Mbps
Network Inte rface	10 / 100 / 1000 / 2500 Base-T
Multi-St ream Capability	7 4K 60fps: RTSP (x2), HDMI (x2), & USB (x2) 1080p 60fps: 3G-SDI
Network P rotocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
NDI® High Bandwidth	N / A
NDI® HX2	
NDI® Genlock	
NDI® Embedded Bridge	
USB	
Connector	USB 3.2 Gen 1
Video Format	MJPEG, YUY2
Audio Format	PCM
Maximum Video Resolution	2160p
USB Video Class (U VC)	UVC 1.1
USB Audio Class (UAC)	UAC 1.0
Web UI	
Live Video P review	Yes
Camera PTZ Cont rol	Pan, Tilt, Zoom, Focus, P reset Cont rol
Camera/Image Adjustment	Exposu re, White Balance, Pictu re
Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Software Tools	
IP Search and Configuration Tool	Suppo rt Windows ® 7 or later
PTZ Management	Suppo rt Windows ® 7 or later
PTZ Cont rol Panel	Suppo rts iOS & i PadOS ® 9 or later
PTZ Link	Suppo rts Windows ® 7 or late r, macOS ® 10.14 or later
OBS Plugin for PTZ Cameras	Suppo rts Windows® 8 or late r, macOS ®High Sierra v10.13 or later
Captu reSha re	Suppo rts Windows ® 7 or late r, macOS ® 10.14 or later
Warranty	
Camera	5 Years
Accessories	1 Year

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

Product Appearance

Front

1. Tally Lamp
2. PTZ Camera
3. Wide Angle Camera
4. Power Indicator
5. IR Sensor

Back

1. Kensington Lock
2. RS-232
3. RS-422
4. Mic In
5. Audio In
6. HDMI
7. 3G-SDI
8. USB 3.0
9. PoE++
10. DV 12V

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