

SUPERIOR PRO AV TRACKING

AVer **TR315**

AI Auto Tracking PTZ Camera



Dante AV-H™

AVes' new TR315 AI Auto Tracking PTZ Camera extends powerful and dependable Pro AV prowess to users across the spectrum of industries. The TR315 showcases proprietary functions — including Presenter Mode, Zone Mode, and Hybrid Mode tracking — driven by advanced AI processing. Seamlessly blending a 12X Optical Zoom lens, 4K 60 fps resolution, and the finesse of hybrid auto tracking and smooth PTZ operations, it's already the quintessential choice for broadcasting, streaming, or recording.



4K Ultra HD Resolution



12X Optical Zoom



IP/HDMI/
USB/3G-SDI



Intuitive
Web UI



5-Year
Warranty



Human
Detection AI



Presenter
Mode



Zone Mode



Hybrid Mode



Voice Tracking*

* Voice Tracking requires PTZ Link.

12X Optical Zoom Magnifies Details

Experience the exceptional power of the TR315 camera's astounding 12X optical zoom. This feature seamlessly operates even while the camera is panning and tilting, granting you the ability to accentuate content and quickly shift between shooting perspectives. Embrace the advantage of dynamic, crystal-clear video feeds through the TR315's unparalleled PTZ performance.



HDMI/USB/IP. 4K 60 FPS.

Leverage the TR315's 4K 60 fps streaming potential through HDMI, USB, and IP outputs. Free from intricate configurations and cable entanglements, you can effortlessly use multiple devices simultaneously to produce fluid video streams.



AI Auto Tracking Makes Streaming Smart & Effortless

Powered by highly precise processing, AVer's cutting-edge AI Auto Tracking algorithms easily identify and capture human figures and moving objects. You'll never lose track of your target again with the TR315's unmatched tracking precision.



Presenter Mode

Get unparalleled tracking performance with Presenter Mode. This dynamic feature empowers presenters to venture beyond the stage to engage with their audience while the camera maintains seamless tracking.



Zone Mode

Zone Mode elevates your ability to capture content across multiple displays. Generate up to four dedicated Content Zones to consistently capture displayed information or items, prioritizing important presentation materials over the presenter's movements.



Hybrid Mode

Free your performers by enabling unrestricted movement with Hybrid Mode. Use preset areas for zone tracking, letting the camera seamlessly switch to a full view of each pre-defined location as performers move through the areas. If they move beyond these zones, the camera seamlessly adapts, switching to presenter mode to effortlessly and precisely track their movements.

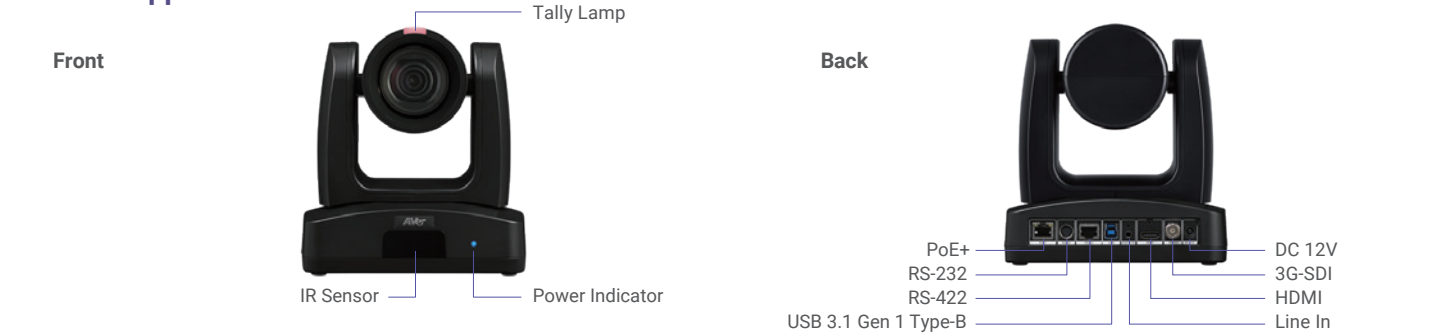


Product Specifications

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	18W
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)	180.0 x 192.0 x 145.0 mm
		Net Weight	2.0 (±0.1) kg
Minimum Illumination	0.46 lux (IRE50, F1.6, 30fps)	Application	Indoor
S/N Ratio	≥ 50 dB	Tally Lamp	Yes
Gain	Auto, Manual	Security	Kensington Slot
TV Line	1600 (Center)	Remote Control	Infrared
Shutter Speed	1/1 to 1/32,000 sec	Operating Conditions	Temperature : 0 °C to +40 °C ; Humidity : 20% to 80%
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Storage Conditions	Temperature : -20 °C to +60 °C ; Humidity: 20% to 95%
White Balance	Auto, Manual	IP Streaming	
Optical Zoom	12X	Resolution	2160p 60fps
Digital Zoom	12X	Network Video Compress Formats	H.264, H.265, MJPEG
Total Zoom	144X	Network Audio Compress Formats	AAC-LC (48K), PCM (8K)
Viewing Angles	DFOV : 80.6° (Wide) to 7.7° (Tele) HFOV : 72.8° (Wide) to 6.7° (Tele) VFOV : 44.1° (Wide) to 3.8° (Tele)	Maximum Frame Rate	2160p 60fps
		Bit-Rate Control Modes	VBR, CBR (selectable)
		Range of Bit-Rate Setting	512 Kbps to 32 Mbps
Focal Length	f = 3.9 mm (Wide) to 46.8 mm (Tele)	Network Interface	10 / 100 / 1000 Base-T
Aperture (Iris)	F = 1.6 (Wide) to 2.8 (Tele)	Multi-Stream Capability **	5 4K 60fps: RTSP, HDMI, USB, & NDI® HX3 / Dante AV-H 1080p 60fps: 3G-SDI
Minimum Working Distance	0.3 m (Wide), 1.5 m (Tele)		IPV4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
Pan / Tilt Angles	Pan : ±170°, Tilt : +90° / -30°		NDI® HX3 & Dante AV-H
Pan / Tilt Speed (Manual)	Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec	USB	
Preset Speed	Pan : 200° / sec, Tilt : 200° / sec	Connector	USB 3.1
Preset Positions	10 (IR), 256 (RS-232 / RS-422 / IP)	Video Format	MJPEG, YUY2
Camera Control - Interface	RS-232 (DIN8), RS-422 (RJ45), IP, USB	Audio Format	PCM
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF	Maximum Video Resolution	2160p
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC	USB Video Class (UVC)	UVC 1.1
Power Frequencies	50 Hz, 60 Hz	USB Audio Class (UAC)	UAC 1.0
AI Auto Tracking Functions		Web UI	
Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode	Live Video Preview	Yes
Privacy Protection Mechanisms		Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Protection Mode	Sleep Mode	Camera/Image Adjustment	Exposure, White Balance, Picture
AI Control Functions		Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Gesture Control	Yes	Software Tools	
Audio		IP Search and Configuration Tool	Support Windows® 7 or later
Channel	2ch Stereo	Enterprise Management	Support Windows® 10 or later
Codec	AAC-LC (48K), PCM (8K)	Control Panel	Supports iOS & iPadOS® 11 or later
Sample Rates	48 / 44.1 / 32 / 24 / 16 / 8 KHz	PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
Interface		OBS Plugin for PTZ Cameras	Supports Windows® 8 or later, macOS® High Sierra v10.13 or later
Video Outputs	3G-SDI, HDMI, IP, USB	CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later
Audio Outputs	3G-SDI, HDMI, IP, USB	Room Management	Supports Windows® 7 or later, macOS® 11.6 or later
Audio Inputs	Mic in, Line in	Cloud Management	Supports Chrome™ & Microsoft Edge browsers
Warranty		Package Contents	
Camera	5 Years		
Accessories	1 Year		
Optional Accessories		AVer CL01 PTZ Camera Controller, L-Type Wall Mount	

* Specifications may vary depending on location and are subject to change without notice.
** When choosing NDI® HX3 Mode, USB video will be disabled.

Product Appearance



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Distributor/Dealer