TR535N

Professional

30X 4K NDI® Dual Lens Auto Tracking

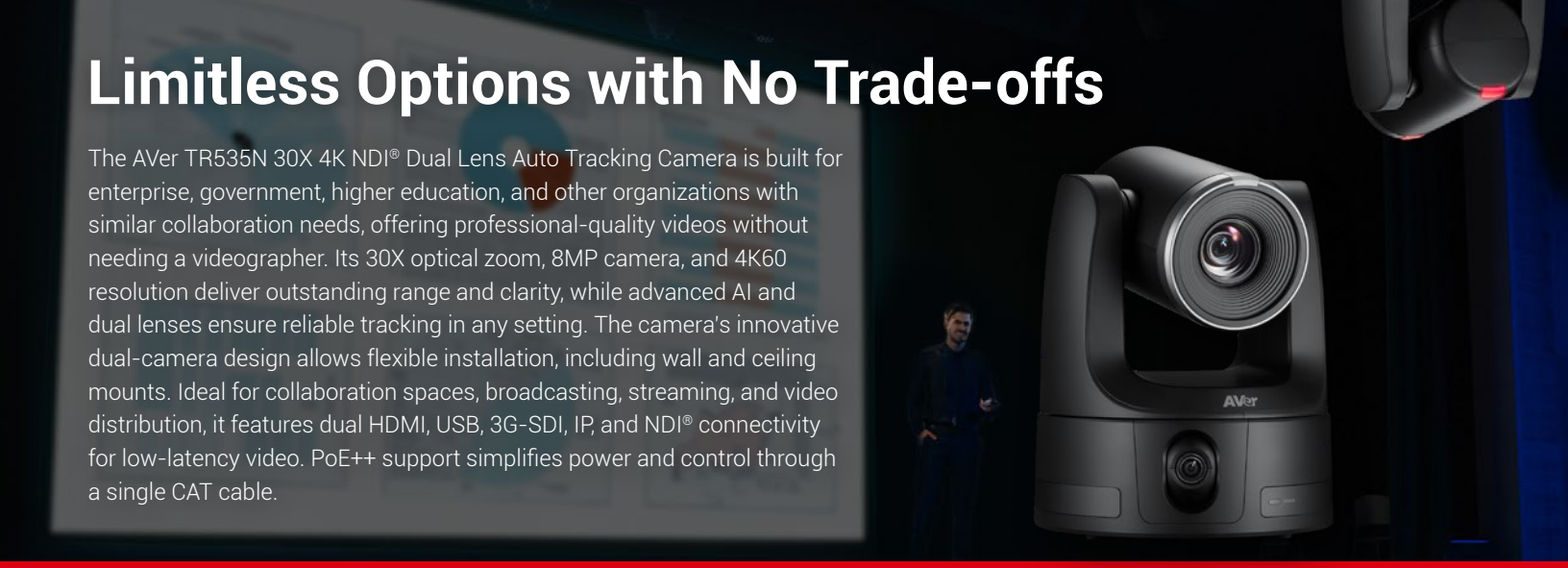
Professional PTZ Camera Provider

TAA NDAA COMPLIANT

AVerCare Pro AV Guarantee 24 Hour Replacement | 5 Year Warranty

Limitless Options with No Trade-offs

The AVer TR535N 30X 4K NDI® Dual Lens Auto Tracking Camera is built for enterprise, government, higher education, and other organizations with similar collaboration needs, offering professional-quality videos without needing a videographer. Its 30X optical zoom, 8MP camera, and 4K60 resolution deliver outstanding range and clarity, while advanced AI and dual lenses ensure reliable tracking in any setting. The camera's innovative dual-camera design allows flexible installation, including wall and ceiling mounts. Ideal for collaboration spaces, broadcasting, streaming, and video distribution, it features dual HDMI, USB, 3G-SDI, IP, and NDI® connectivity for low-latency video. PoE++ support simplifies power and control through a single CAT cable.



- 4 Auto Tracking Modes
- 30X Optical Zoom 4K NDI®
- 105° FOV
- 3G-SDI, HDMI, IP, USB Output
- PoE++ Support
- Flexible Installation Options

Presenter Tracking

- Either track full body or half body.
- Shield Zone avoids selected areas within the effective tracking area to avoid busy spaces.
- Simple click to track and manually follow an additional presenter via remote control or Web UI.

Voice Tracking

Upgrade your audiovisual setup with AVer PTZ cameras and select compatible microphones for precise voice tracking using the camera preset points. Run PTZ Link software on in-room UC compute or PC or integrate MT300N for worry free security and OS updates. No need for costly programmers.

Other Tracking Modes

- Segment Tracking: Create four zones on multiple displays for instant content recognition, keeping the focus on the content, not the presenter.
- Zone Tracking: Preset zones enhance content focused video capture across multiple displays.
- Hybrid Tracking: The camera auto-switches between Presenter and Zone modes, combining the best features of both for flexible tracking.

4K 60 FPS

The TR535N can stream in 4K at 60 fps through HDMI, USB, and IP outputs. With simplified setups and without the hassle of tangled cables, you can seamlessly utilize multiple devices at once to create smooth video streams.

Flexible Mounting Options

The TR535N brand new dual camera design with tiltable secondary lens allows for flexible installation options, including wall and ceiling mounts.

NDI® High Bandwidth for Ultra-low Latency

Access unparalleled streaming excellence with the TR535N's NDI® High Bandwidth technology. Experience the almost lossless compression, ultra-low latency, and pristine image quality that simplify even the most intricate setups, effortlessly redefining the landscape of modern video content sharing and production.

NDI HIGH BANDWIDTH

Free Software for Users and AV Managers

Whether you need a simple tool to control your PTZ or TR camera, or manage over a hundred on your network, AVer has great options. CaptureShare and PTZ Management for desktop and AVer PTZ Control Panel for iPad have you covered. For new voice tracking features, look to PTZ Link. Visit our support page for easy download of our desktop software.

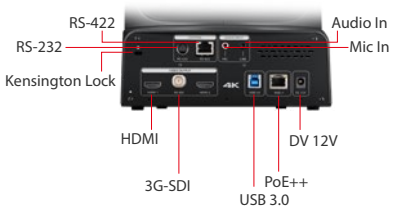
Compatible With

CRESTRON, echo360, Panopto, KALTURA, zoom, telestream, vMix, BARCO, Q-SYS

Product Specifications

Camera	Sensor Size	1/2.8" 4K Exmor CMOS
	Pixel	8MP
	Output Resolution	Resolution : 4K/1080p/720p Frame Rate : 60/59.94/50/30/29.97/25
	TV Line	1600 (center/wide)
	Focal Length	f= 4.5 ~ 135 mm (Tele)
	Iris	F= 1.8 (Wide) ~ 4.7 (Tele)
	Optical Zoom	30X
	Digital Zoom	12X
	Total Zoom	30X
	D FOV	69.2° (wide) ~ 2.8° (Tele)
	H FOV	62.3° (wide) ~ 2.5° (Tele)
	V FOV	37.3° (wide) ~ 1.4° (Tele)
	Minimum Illumination	0.5 lux (IRE50, F1.6, 30fps)
	Minimum Working Distance	Wide 0.1m, Tele 1.2m
	Focal Length	F= 4.5 mm (Wide) to 135 mm (Tele)
	White Balance	Auto
	Gain	Auto/Manual
	Shutter Speed	1/1 s to 1/10,000 s
	BLC (Back Light Compensation)	Yes
	Exposure	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
	Noise Reduction	2D/3D NR
	Frequency	50Hz & 60Hz
	S/N Ratio	≥50dB
	Image Effect	Mirror/Flip WDR/BLC
	WDR (Wide Dynamic Range)	Yes
Parameter	Pan Angle	-170°~+170°
	Tilt Angle	-30° ~ +90°
	Pan Control Speed	0.1 ~ 100°/Sec
	Tilt Control Speed	0.1 ~ 100°/Sec
	Preset Speed	Pan: 200°/Sec, Tilt: 200°/Sec
	Preset Number	10 Locations by Remote, 256 vis RS232
IP Streaming	Resolution (Max)	4K (60PFS)
	Video Compression	H.264, H.265, MJPEG
	Audio Compression	AAC-LC (48 K)
	Protocol	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
	Bitrate	512Kbps ~ 64Mbps
	Bitrate Control Mode	VBR/CBR (selectable)
	Multi-Stream Capability	10 4K 60fps: RTSP (x2), HDMI (x2), USB (x2), NDI® High Bandwidth (x1), & NDI® HX2 (x2) 1080p 60fps: 3G-SDI

I/O Interface	Video Output	3G-SDI, HDMI x 2, IP, USB
	Audio Output	3G-SDI, HDMI x 2, IP, USB
	Audio Input	Mic in, Line in
	Control Interface	RS-232/RS-422, IP, USB
	Control Protocol	VISCA/PELCO-D (RS232/RS422), CGI (IP), USB, ONVIF
	Network Interface	10/100/1000 Base - T
	USB	3.2
	POE	PoE++
	Power Requirements	AC 100 - 240V to DC 12V/5A
USB	Connector	USB 3.2 Gen 1
	Video Format	MJPEG, YUY2
	Resolution (Max)	2160P
	Video Class	UVC 1.1
	Audio Class	UAC 1.0
Audio	Channel	2ch (stereo)
	Codec	AAC-LC(48K)
	Sample Rate	48Khz
System	IR Remote Control	Yes
	Tally	Yes
	Kensington Lock	Yes
	Power Consumption	29W
	Operating Temperature	0°C ~ +40°C
	Operating Humidity	20%~80%
	Storage Temperature	-20°C ~ +60°C
	Storage Humidity	20% ~ 95%
	Dimensions	W202.5*D250.7*Hx 218.5mm
	Net Weight	3.6 kg (+/-0.1) (7.9 lbs)
	Application	Indoor
	Accessory	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 6.5 mm Screw (x2), Cable Fixing Plate (x2), Ceiling Mount Bracket (x2), Drilling Paper, Quick Start Guide
	Optional Accessories	L-Type Wall Mount, Camera Controller(CL01)
Warranty	Camera	5 Years
	Accessories	1 Year
Tracking	Mode	Presenter, Zone, Hybrid, Segment
	NDI	NDI® High Bandwidth
Ordering Info	Part Number	PTR535NV1



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