



# TR335N

**AI Auto Tracking**

30X 4K NDI® PTZ Streaming Camera



**NDI® HX3**



# Exceptional Video Quality with Zero Compromises

The AVer TR335N AI Auto Tracking Camera delivers professional-grade lectures, sermons, trainings or whatever you need to stream! The 30X optical zoom, powerful 8MP camera and 4K resolution offer the range and picture quality to produce the highest quality productions. The advanced artificial intelligence (AI) technology allows you to track your speaker (full or half body) or pre-set shoot zone without a dedicated camera operator. The TR335N includes new improved performance, simultaneous output on USB and IP, and UHD NDI|HX3 for better video with reduced latency – using a fraction of the bandwidth of NDI® high bandwidth.



3 Auto Tracking Modes



30X Optical Zoom



3G-SDI, HDMI, IP, USB Output



4K Resolution



8MP Picture



Wide Dynamic Range



Tally Light

## Harness the Magic of NDI|HX3

Includes the most recent edition of the NDI protocol is NDI® version 3 (NDI® |HX3). Features 4Kp60 NDI output with latency less than 100ms.



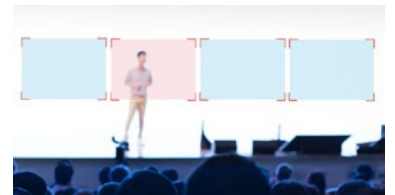
## Presenter Tracking

- Capture every interaction
- Either track full body or half body
- Simple click to track and manually follow an additional presenter via remote control or Web UI



## Zone Tracking

- Establish preset zones
- Create video focused on content
- Enhance the capture of content on multiple displays



## Hybrid Mode

- Camera auto switch between Presenter vs Zone mode
- Combines the best features of Presenter and Zone mode
- Flexibility of tracking presenter freely or fixed content



## 4K 60 FPS

The TR335N 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.



## 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!





## 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



## Product Specifications

<b>Camera</b>	Sensor Size	1/2.8" CMOS
	Pixel	8MP
	Output Resolution	Resolution : 4K/1080p/720p Frame Rate : 60/59.94/50/30/29.97/25
	TV Line	1400 (center/wide)
	Focal Length	f=3.9 ~ 46.8mm
	Iris	F=1.6 (Wide) ~ 2.8 (Tele)
	Optical Zoom	30X
	Digital Zoom	12X
	Total Zoom	12X
	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 (50 IRE, F1.6, Max. AGC, 1/30)
	Minimum Working Distance	Wide 0.1m, Tele 1.2m
	Focus	Auto/Manual/One Push
	White Balance	Auto/Manual
	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 Freeze/WDR/BLC	
WDR (Wide Dynamic Range)	Yes	
<b>Parameter</b>	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
	<b>IP Streaming</b>	Resolution (Max)
Video Compression		H.264, H.265, MJPEG
Audio Compression		AAC
Protocol		IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP
Bitrate		512Kbps ~ 32Mbps
Bitrate Control Mode		VBR/CBR
Multi-stream Capability		4:USB/HDMI/IP/3G-SDI* MAX: 2160P60 *3G-SDI only support 1080p60

<b>I/O Interface</b>	Video Output	3G-SDI, HDMI, IP, USB
	Audio Output	3G-SDI, HDMI, IP, USB
	Audio Input	MIC in/Line in
	Baud Rate	2400, 4800, 9600, 38400
	Control Interface	RS-232/RS-422/Ethernet
	Control Protocol	VISCA/PELCO-D (RS232/RS422/IP), CGI (IP)
	Network Interface	10/100/1000 Base - T
	USB	3.0
	POE+	PoE+ (IEEE802.3at)
	Power Requirements	12V
<b>USB</b>	Connector	USB3.0 (typeB)
	Video Format	MJPG
	Resolution (Max)	2160P
<b>Audio</b>	Video Class	UVC 1.1
	Audio Class	UAC 1.0
	Channel	2ch (stereo)
<b>System</b>	Codec	AAC-LC(48K)
	Sample Rate	48Khz
	IR Remote Control	Yes
<b>Accessory</b>	Tally	Yes
	Kensington Lock	Yes
	Power Consumption	18W
	Operating Temperature	0°C ~ +40°C
	Operating Humidity	20%~80%
	Storage Temperature	-20°C ~ +60°C
	Storage Humidity	20% ~ 95%
	Dimensions	W180*D145*H192mm
	Net Weight	2.0 kg (+/-0.1) (4.4 lbs)
	Application	Indoor
<b>Warranty</b>	Camera	5 Years
	Accessories	1 Year
<b>Tracking</b>	Mode	Presenter, Zone, Hybrid, Gesture Control
	NDI	Support on N model only
<b>Ordering Info</b>	Part Number	PAT335NV3



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