TR315N

AI Auto Tracking

12X 4K NDI® PTZ Streaming Camera

4K ULTRAHD

intel UNITE™

Compatible with ClickShare Conference BARCO

NDI® HX3

zoom Certified

TAA NDAA COMPLIANT

AVerCare — Pro AV Guarantee — 24 Hour Replacement | 5 Year Warranty

Professional PTZ Camera Provider
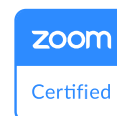
Exceptional Video Quality with Zero Compromises

The AVer TR315N AI Auto Tracking Camera delivers professional-grade lectures, sermons, trainings or whatever you need to stream! The 12X 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 TR315N 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 | 12X 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.
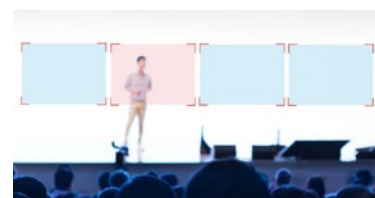
Presenter Tracking

- 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 TR315N 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.
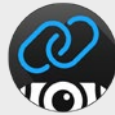
Voice Tracking

With the aid of PTZ Link and select microphones, you can easily turn AVer PTZ camera to a voice tracking camera through setting preset points. Accomplish all this without having to hire expensive 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

CRESTRON · echo360 · Extron · Microsoft Teams · Panopto · KALTURA · vMix · BARCO · zoom · telestream · NewTek · Q-SYS

Product Specifications

Camera		
	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	12X
	Digital Zoom	12X
	Total Zoom	12X
	D FOV	78° (wide) ~ 7° (Tele)
	H FOV	70° (wide) ~ 6° (Tele)
	V FOV	42° (wide) ~ 3° (Tele)
	Minimum Illumination	0.5 lux (50 IRE, F1.6, Max. AGC, 1/30)
	Minimum Working Distance	Wide 0.3m, Tele 1.5m
	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
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
	Protocol	IPv6,IPv4, TCP, UDP, ARP, IMCP, 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

I/O Interface		
	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
USB	Connector	USB3.0 (typeB)
	Video Format	MJPG
	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	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
	Accessory	Remote control, 12V power adapter, power cable, Din8 to D-Sub9 cable, RS232 in/out cable, ceiling mount(x2), M2x4mm screw(x3), M3x4mm screw(x3), cable fixing plates, cable ties(x4), drilling paper, quick guide.
	Optional Accessories	Wall mount, Camera Controller(CL01)
Warranty	Camera	5 Years
	Accessories	1 Year
Tracking	Mode	Presenter, Zone, Hybrid, Gesture Control
	NDI	Support on N model only
Ordering Info	Part Number	PAT315NV3

PoE+ · RS232 · RS422 · USB TypeB · Audio In · HDMI · 3G-SDI · DC 12V

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