



TR323NV2

AI Auto Tracking

21X 4K NDI PTZ Live Streaming Camera

NDI|HX3

intel UNITE™

4K
ULTRAHD



Great Video. No Compromises.

The AVer TR323NV2 AI Auto Tracking Camera delivers professional-grade lectures, sermons, trainings or whatever you need to stream! The 21X 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.

With NDI|HX2 support, 3G-SDI/HDMI/IP/USB output, PoE+, Visca control, and compatibility with all popular video platforms, you have all you need to connect with ease in any environment. Includes a ceiling mount to keep clear of live audiences below.

Our industry-leading AVerCare warranty program offers 5 years protection and 24-hour replacement to give you total peace of mind.



3 Auto Tracking Modes



21X Optical Zoom



3G-SDI, HDMI, IP, USB Output



4K Resolution



Support NDI|HX3 Protocol



Wide Dynamic Range

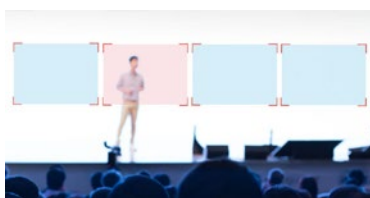
Presenter Tracking

- 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



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!



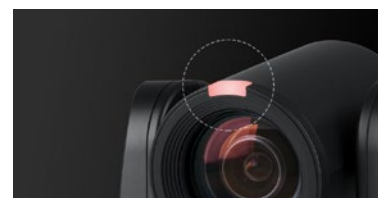
Wide Dynamic Range

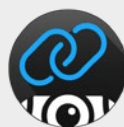
The Wide Dynamic Range (WDR) of the camera uses special algorithms to balance dark or bright lighting for one clear image.



Tally Light

Simplify multi-camera live video productions with an illuminated red tally light on the active camera.





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.

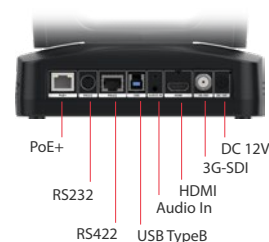
Compatible Software



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 *So far 4K can only support 30/29.97/25
TV Line	TV Line	1400 (center/wide)
	Focal Length	f=5.3 ~ 110mm
Iris	Iris	F=1.6 (Wide) ~ 3.8 (Tele)
	Optical Zoom	21X
Digital Zoom	Digital Zoom	12X
	Total Zoom	360X
D FOV	D FOV	66.4° (wide) ~ 3.3° (Tele)
	H FOV	52.26° (wide) ~ 2.66° (Tele)
V FOV	V FOV	41.26° (wide) ~ 2° (Tele)
	Minimum Illumination	0.5 lux (50 IRE, F1.6, Max. AGC, 1/30, 30fps)
Minimum Working Distance	Minimum Working Distance	Wide 1.5m, Tele 1.5m
	Focus	Auto/Manual/One Push
White Balance	White Balance	Auto/Manual
	Gain	Auto/Manual
Shutter Speed	Shutter Speed	1/1 s to 1/10,000 s
	BLC (Back Light Compensation)	Yes
Exposure	Exposure	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
	Noise Reduction	2D/3D NR
Frequency	Frequency	50Hz & 60Hz
	S/N Ratio	≥50dB
Image Effect	Image Effect	Mirror/Flip Freeze/WDR/BLC
	WDR (Wide Dynamic Range)	Yes
Parameter	Pan Angle	-170° ~ +170°
	Tilt Angle	-30° ~ +90°
Pan Control Speed	Pan Control Speed	0.1 ~ 100°/Sec
	Tilt Control Speed	0.1 ~ 100°/Sec
Preset Speed	Preset Speed	Pan: 200°/Sec, Tilt: 200°/Sec
	Preset Number	10 Locations by Remote, 256 vis RS232
IP Streaming	Resolution (Max)	4K (30FPS)
	Video Compression	H.264, H.265, MJPEG
Audio Compression	Audio Compression	AAC, PCM
	Protocol	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP
Bitrate	Bitrate	512Kbps ~ 32Mbps
	Bitrate Control Mode	VBR/CBR
Multi-stream Capability	Multi-stream Capability	4K mode: 4K30*1, 1080P30*1, 720P10*1 1080P60 mode: 1080P60*1, 1080P60*1, 720P10*1
	NDI* HX3 capability	Yes
SRT Protocol	SRT Protocol	Yes

I/O Interface	Video Output	3G-SDI, HDMI, IP, USB
	Audio Output	3G-SDI, HDMI, IP, USB
Audio Input	Audio Input	MIC in/Line in
	Baud Rate	2400, 4800, 9600, 38400
Control Interface	Control Interface	RS232/RS422/IP
	Control Protocol	VISCA/PELCO-D (RS232/RS422/IP), CGI (IP)
Network Interface	Network Interface	10/100/1000 Base - T
	USB	3.0
POE+	POE+	PoE+ (IEEE802.3at)
	Power Requirements	12V
USB	Connector	USB3.0 (typeB)
	Video Format	MJPEG, YUV
Resolution (Max)	Resolution (Max)	2160P
	Video Class	UVC 1.1
Audio Class	Audio Class	UAC 1.0
	Channel	2ch (stereo)
Codec	Codec	AAC-LC(48K)/PCM(8K)
	Sample Rate	48Khz
System	IR Remote Control	Yes
	Tally	Yes
Kensington Lock	Kensington Lock	Yes
	Power Consumption	19W
Operating Temperature	Operating Temperature	0°C ~ +40°C
	Operating Humidity	20%~80%
Storage Temperature	Storage Temperature	-20°C ~ +60°C
	Storage Humidity	20% ~ 95%
Dimensions	Dimensions	W180*D145*H192mm
	Net Weight	2.0 kg (+/-0.1) (4.4 lbs)
Application	Application	Indoor
	Accessory	Remote control, 12V power adapter, power cable, Din8 to D-Sub9 cable, RS232 in/out cable, screw for mount, ceiling mount, cable fixing plates, quick guide.
Software Tools	Software Tools	PTZ Management, PTZ Link, OBS Plug in, Control panel, CaptureShare.
Warranty	Camera	5 Years
	Accessories	1 Year
Tracking	Mode	Presenter, Zone, Hybrid
	Mechanism	Human detection (half or full body)
Ordering Info	Part Number	PTR323NV2



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