TR323NV2

AI Auto Tracking

21X 4K NDI PTZ Live Streaming Camera

NDI HX3 (intel) UNITE 4K ULTRA**HD**

zoom Certified

Compatible with **ClickShare** Conference BARCO

TAA NDAA COMPLIANT

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

Professional PTZ Camera Provider

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.

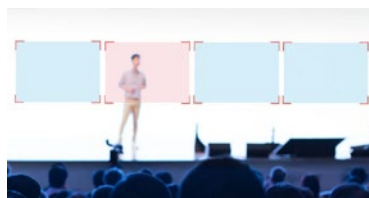| 3 Auto Tracking Modes	21X Optical Zoom	3G-SDI, HDMI, IP, USB Output	4K Resolution	Support NDI|HX3 Protocol	Wide Dynamic Range

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
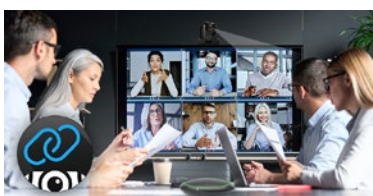- Enhance the capture of content on multiple displays

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!
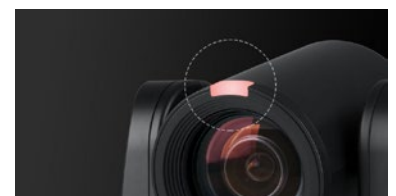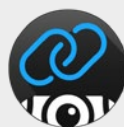
Wide Dynamic Range

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 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.
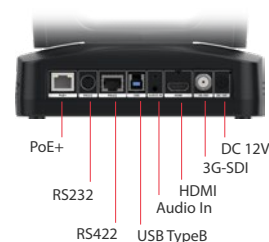
Compatible Software

CRESTRON · echo 360 · Extron

Panopto · KALTURA · vMix

ZOOM · telestream · NewTek

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	1400 (center/wide)
	Focal Length	f=5.3 ~ 110mm
	Iris	F=1.6 (Wide) ~ 3.8 (Tele)
	Optical Zoom	21X
	Digital Zoom	12X
	Total Zoom	360X
	D FOV	66.4° (wide) ~ 3.3° (Tele)
	H FOV	52.26° (wide) ~ 2.66° (Tele)
	V FOV	41.26° (wide) ~ 2° (Tele)
	Minimum Illumination	0.5 lux (50 IRE, F1.6, Max. AGC, 1/30, 30fps)
	Minimum Working Distance	Wide 1.5m, 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 (30PFS)
	Video Compression	H.264, H.265.MJPEG
	Audio Compression	AAC, PCM
	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	4K mode: 4K30*1, 1080P30*1, 720P10*1 1080P60 mode: 1080P60*1, 1080P60*1, 720P10*1
	NDI®|HX3 capability	Yes
	SRT Protocol	Yes

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	RS232/RS422/IP
	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, YUV
	Resolution (Max)	2160P
	Video Class	UVC 1.1
	Audio Class	UAC 1.0
Audio	Channel	2ch (stereo)
	Codec	AAC-LC(48K)/PCM(8K)
	Sample Rate	48Khz
System	IR Remote Control	Yes
	Tally	Yes
	Kensington Lock	Yes
	Power Consumption	19W
	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, screw for mount, ceiling mount, cable fixing plates, quick guide.
	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

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

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