

**SUPERIOR  
PRO AV  
TRACKING  
WITH NDI® HX3**

**AVer TR335N**

AI Auto Tracking PTZ Camera



# NDI®

Equipped with NDI®|HX3 capability, AVer's new TR335N AI Auto Tracking PTZ Camera extends powerful and dependable Pro AV prowess to users across the spectrum of industries. The TR335N showcases proprietary functions – including Presenter Mode, Zone Mode, and Hybrid Mode tracking – driven by advanced AI processing. Seamlessly blending a 30X Optical Zoom lens, 4K 60 fps resolution, and the finesse of hybrid auto tracking and smooth PTZ operations, it's already the quintessential choice for broadcasting, streaming, or recording.



NDI® is a registered trademark of NewTek, Inc.  
NDI®|HX is technology of NewTek, Inc.



NDI® HX3



4K Ultra HD Resolution



30X Optical Zoom



IP/HDMI/  
USB/3G-SDI



5-Year  
Warranty



Human  
Detection AI



Presenter  
Mode



Zone Mode



Hybrid Mode



Voice Tracking\*

\* Voice Tracking requires PTZ Link.

## NDI® HX3 Levels Up Streaming

Elevate your streaming experience with the TR335N's cutting-edge NDI® HX3 technology! Revel in lossless, low-latency video streaming without complex configurations. This innovation is reshaping the landscape of contemporary video content sharing and production.



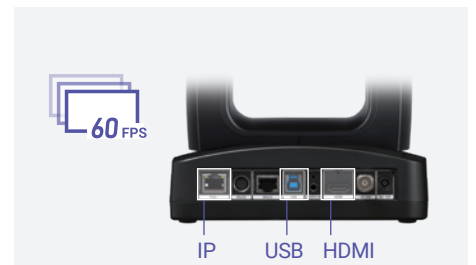
## 30X Optical Zoom Magnifies Details

Experience the exceptional power of the TR335N camera's astounding 30X optical zoom. This feature seamlessly operates even while the camera is panning and tilting, granting you the ability to accentuate content and quickly shift between shooting perspectives. Embrace the advantage of dynamic, crystal-clear video feeds through the TR335N's unparalleled PTZ performance.



## HDMI / USB / IP. 4K 60 FPS.

Leverage the TR335N's 4K 60 fps streaming potential through HDMI, USB, and IP outputs. Free from intricate configurations and cable entanglements, you can effortlessly use multiple devices simultaneously to produce fluid video streams.



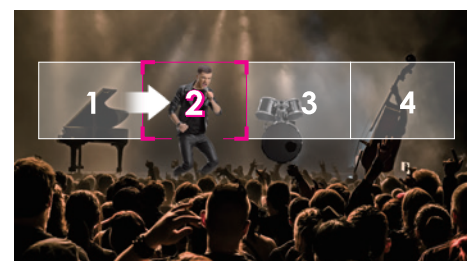
## Presenter Mode

Get unparalleled tracking performance with Presenter Mode. This dynamic feature empowers presenters to venture beyond the stage to engage with their audience while the camera maintains seamless tracking.



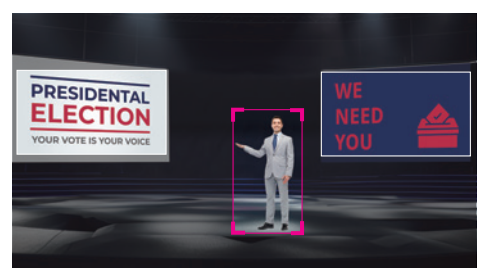
## Zone Mode

Zone Mode elevates your ability to capture content across multiple displays. Generate up to four dedicated Content Zones to consistently capture displayed information or items, prioritizing important presentation materials over the presenter's movements.



## Hybrid Mode

Free your performers by enabling unrestricted movement with Hybrid Mode. Use preset areas for zone tracking, letting the camera seamlessly switch to a full view of each pre-defined location as performers move through the areas. If they move beyond these zones, the camera seamlessly adapts, switching to presenter mode to effortlessly and precisely track their movements.





Camera		General	
Image Sensor	1/2.8" 4K Exmor CMOS	Power Requirement	AC 100 - 240V to DC 12V/5A
Effective Picture Elements	8 Megapixels	Power Consumption	18W
Output Resolutions	4K/60, 4K/59.94, 4K/50, 4K/30, 4K/29.97, 4K/25, 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50	PoE	PoE+
		Dimensions (W x H x D)	180.0 x 192.0 x 145.0 mm
Minimum Illumination	0.5 lux (IRE50, F1.6, 30fps)	Net Weight	2.0 (±0.1) kg
S/N Ratio	≥ 50 dB	Application	Indoor
Gain	Auto, Manual	Tally Lamp	Yes
TV Line	1600 (Center)	Security	Kensington Slot
Shutter Speed	1/1 to 1/32,000 sec	Remote Control	Infrared
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Operating Conditions	Temperature : 0 °C to +40 °C ; Humidity : 20% to 80%
		Storage Conditions	Temperature : -20 °C to +60 °C ; Humidity: 20% to 95%
White Balance	Auto, Manual	IP Streaming	
Optical Zoom	30X	Resolution	2160p 60fps
Digital Zoom	12X	Network Video Compress Formats	H.264, H.265, MJPEG
Total Zoom	360X	Network Audio Compress Formats	AAC-LC (48K), PCM (8K)
Viewing Angles	DFOV : 69.2° (Wide) to 2.8° (Tele) HFOV : 62.3° (Wide) to 2.5° (Tele) VFOV : 37.3° (Wide) to 1.4° (Tele)	Maximum Frame Rate	2160p 60fps
		Bit-Rate Control Modes	VBR, CBR (selectable)
Focal Length	f = 4.5 mm (Wide) to 135 mm (Tele)	Range of Bit-Rate Setting	512 Kbps to 32 Mbps
Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)	Network Interface	10 / 100 / 1000 Base-T
Minimum Working Distance	0.1 m (Wide), 1.2 m (Tele)	Multi-Stream Capability	4 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G-SDI
Pan / Tilt Angles	Pan : ±170°, Tilt : +90° / -30°		Network Protocols
Pan / Tilt Speed (Manual)	Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec	NDI® HX3	
Preset Speed	Pan : 200° / sec, Tilt : 200° / sec	USB	
Preset Positions	10 (IR), 256 (RS-232 / RS-422 / IP)	Connector	USB 3.1
Camera Control - Interface	RS-232 (DIN8), RS-422 (RJ45), IP, USB	Video Format	MJPEG, YUY2
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF	Audio Format	PCM
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC	Maximum Video Resolution	2160p
Power Frequencies	50 Hz, 60 Hz	USB Video Class (UVC)	UVC 1.1
AI Auto Tracking Functions		USB Audio Class (UAC)	UAC 1.0
Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode	Web UI	
Privacy Protection Mechanisms		Live Video Preview	Yes
Protection Mode	Sleep Mode	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
AI Control Functions		Camera/Image Adjustment	Exposure, White Balance, Picture
Gesture Control	Yes	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Audio		Software Tools	
Channel	2ch Stereo	IP Search and Configuration Tool	Support Windows® 7 or later
Codec	AAC-LC (48K), PCM (8K)	PTZ Management	Support Windows® 7 or later
Sample Rates	48 / 44.1 / 32 / 24 / 16 / 8 KHz	PTZ Control Panel	Supports iOS & iPadOS® 9 or later
Interface		PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
Video Outputs	3G-SDI, HDMI, IP, USB	OBS Plugin for PTZ Cameras	Supports Windows® 8 or later, macOS® High Sierra v10.13 or later
Audio Outputs	3G-SDI, HDMI, IP, USB	CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later
Audio Inputs	Mic in, Line in	Warranty	
Warranty		Camera	5 Years
Accessories	1 Year	Camera, Remote Control, RS-232 In/Out Cable, Din 8 To D-Sub 9 Cable, Power Adapter, Power Cord, Cable Ties (x4), M2 x 4 mm Screws (x3), M3 x 6 mm Screws (x3), 1/4"-20L 6.5mm Screws (x2), Cable Fixing Plate, Ceiling Mount Brackets (x2), Drilling Paper, Quick Start Guide	
Package Contents		Optional Accessories	
		AVer CL01 PTZ Camera Controller, L-Type Wall Mount	

\* Specifications may vary depending on location and are subject to change without notice.

## Product Appearance

Front



Back



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Distributor/Dealer