

AVer



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

AVer TR315N

AI Auto Tracking PTZ Camera



NDI®

Equipped with NDI® | HX3 capability, AVer's new TR315N AI Auto Tracking PTZ Camera extends powerful and dependable Pro AV prowess to users across the spectrum of industries. The TR315N showcases proprietary functions – including Presenter Mode, Zone Mode, and Hybrid Mode tracking – driven by advanced AI processing. Seamlessly blending a 12X 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



12X 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 TR315N'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.



12X Optical Zoom Magnifies Details

Experience the exceptional power of the TR315N camera's astounding 12X 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 TR315N's unparalleled PTZ performance.



HDMI/USB/IP. 4K 60 FPS.

Leverage the TR315N'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.



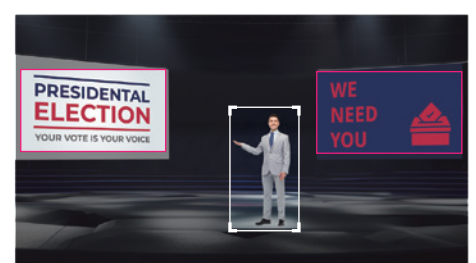
Zone Mode

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.



Product Specifications

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	0.46 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%
White Balance	Auto, Manual	Storage Conditions	Temperature : -20 °C to +60 °C ; Humidity: 20% to 95%
Optical Zoom	12X	IP Streaming	
Digital Zoom	12X	Resolution	2160p 60fps
Total Zoom	144X	Network Video Compress Formats	H.264, H.265, MJPEG
Viewing Angles	DFOV : 80.6° (Wide) to 7.7° (Tele) HFOV : 72.8° (Wide) to 6.7° (Tele) VFOV : 44.1° (Wide) to 3.8° (Tele)	Network Audio Compress Formats	AAC-LC (48K), PCM (8K)
		Maximum Frame Rate	2160p 60fps
Focal Length	f = 3.9 mm (Wide) to 46.8 mm (Tele)	Bit-Rate Control Modes	VBR, CBR (selectable)
Aperture (Iris)	F = 1.6 (Wide) to 2.8 (Tele)	Range of Bit-Rate Setting	512 Kbps to 32 Mbps
Minimum Working Distance	0.3 m (Wide), 1.5 m (Tele)	Network Interface	10 / 100 / 1000 Base-T
Pan / Tilt Angles	Pan : ±170°, Tilt : +90° / -30°	Multi-Stream Capability	4 4K 60fps: RTSP, HDMI & USB 1080p 60fps: 3G-SDI
Pan / Tilt Speed (Manual)	Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec		
Preset Speed	Pan : 200° / sec, Tilt : 200° / sec	Network Protocols	IPV4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
Preset Positions	10 (IR), 256 (RS-232 / RS-422 / IP)		
Camera Control - Interface	RS-232 (DIN8), RS-422 (RJ45), IP, USB	NDI® HX3	Yes
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF		
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC	USB	
Power Frequencies	50 Hz, 60 Hz	Connector	USB 3.1
AI Auto Tracking Functions		Video Format	MJPEG, YUY2
Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode	Audio Format	PCM
Privacy Protection Mechanisms		Maximum Video Resolution	2160p
Protection Mode	Sleep Mode	USB Video Class (UVC)	UVC 1.1
AI Control Functions		USB Audio Class (UAC)	UAC 1.0
Gesture Control	Yes	Web UI	
Audio		Live Video Preview	Yes
Channel	2ch Stereo	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Codec	AAC-LC (48K), PCM (8K)	Camera/Image Adjustment	Exposure, White Balance, Picture
Sample Rates	48 / 44.1 / 32 / 24 / 16 / 8 KHz	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Interface		Software Tools	
Video Outputs	3G-SDI, HDMI, IP, USB	IP Search and Configuration Tool	Support Windows® 7 or later
Audio Outputs	3G-SDI, HDMI, IP, USB	PTZ Management	Support Windows® 7 or later
Audio Inputs	Mic in, Line in	PTZ Control Panel	Supports iOS & iPadOS® 9 or later
Warranty		PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
Camera	5 Years	OBS Plugin for PTZ Cameras	Supports Windows® 8 or later, macOS® High Sierra v10.13 or later
Accessories	1 Year	CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later
Package Contents		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	
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



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