



**PINPOINT  
PERFECTION**

**NDI<sup>®</sup> | HX**

## **AVer PTC330N**

AI Auto Tracking NDI<sup>®</sup>|HX PTZ Camera



## Full NDI|HX for Greater Reach

The PTC330N complies with the most rigorous NDI standards to deliver the lowest latency for on-air camera control, switching, and streaming - all via IP connection. It makes live broadcasts faster and simpler, allowing users to stream for larger audiences without complicated and expensive equipment. Design efficient and flexible IP workflows at will.

# NDI<sup>®</sup>



30X Optical  
Zoom



IP/HDMI/USB/  
3G-SDI Outputs



Human  
Detection AI



Presenter Mode



Zone Mode



Hybrid Mode



Intuitive Web UI



Upside-Down  
Installation

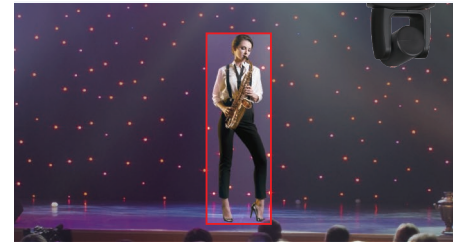
## 30X Optical Zoom & 2X Sensor Zoom

The zoom power of the PTC330N reaches an incredible 60X (30X optical and 2X sensor zoom). It works even while the camera is panning and tilting, allowing you to highlight content and rapidly change shooting angles. Operate a closer and clearer video feed with the unbeatable PTZ performance of the PTC330N.



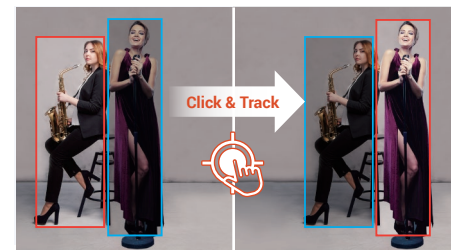
## Human Detection AI

Welcome AVer's most advanced AI tool yet—Human Detection. This highly accurate processing function enables the PTC330N to easily detect and capture human forms and moving objects in seconds. Never miss a tracking target again.



## Click & Track

Redirect focus in an instant with the PTC330N. Simply click on a target to quickly adjust the shooting angle and initiate precise tracking. This advanced feature is easy for anyone to operate via remote control or Web UI.



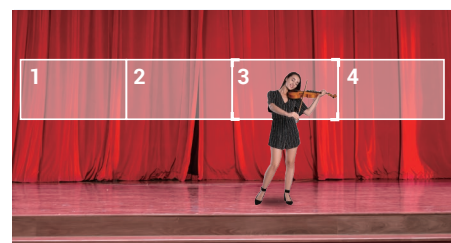
## Presenter Mode

Track your target everywhere with Presenter Mode. This feature gives presenters the flexibility to leave the stage and interact with the audience, all while being continuously tracked. The camera stays locked on its target, even if other people or objects get in the way.



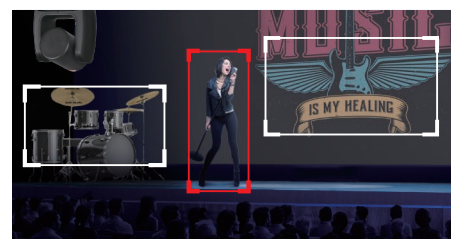
## Zone Mode

Zone Mode enhances your ability to capture content on multiple displays. Create up to four Content Zones to steadily capture the content on display rather than the presenter's movements.



## Hybrid Mode

Hybrid Mode provides the utmost freedom of movement for performing artists. Preset effective areas for Zone Tracking in advance, and once you step into those areas, you will be targeted together with the content. When you are outside, you are just like in Presenter Mode.



## Product Specifications

Camera		General	
Image Sensor	1/2.8" 1080p Exmor CMOS	Power Requirement	AC 100 - 240V to DC 12V/5A
Effective Picture Elements	2 Megapixels	Power Consumption	18W
Output Resolutions	1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/50, 720p/60, 720p/59.94, 720p/50	PoE	PoE+
Minimum Illumination	0.7 lux (IRE50, F1.6, 30fps)	Dimensions (W x H x D)	180.0 x 183.5 x 145.0 mm
S/N Ratio	≥ 50 dB	Net Weight	1.7 (±0.1) kg
Gain	Auto, Manual	Application	Indoor
TV Line	900 (Center)	Tally Lamp	Yes
Shutter Speed	1/1 to 1/10,000 sec	Security	Kensington Slot
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Remote Control	Infrared
White Balance	Auto, Manual	Operating Conditions	Temperature: 0 °C to +40 °C Humidity: 20% to 80%
Optical Zoom	30X	Storage Conditions	Temperature: -20°C to +60°C Humidity: 20% to 95%
Digital Zoom	12X	<b>IP Streaming</b>	
Sensor Zoom	2X	Resolution	1080p 60fps
Viewing Angles	DFOV: 72.9° (Wide) to 2.64° (Tele) HFOV: 65.1° (Wide) to 2.34° (Tele) VFOV: 38.4° (Wide) to 1.36° (Tele)	Network Video Compress Formats	H.264, H.265
		Maximum Frame Rate	1080p 60fps
Focal Length	f = 4.3 mm (Wide) to 129 mm (Tele)	Bit-Rate Control Modes	VBR, CBR (selectable)
Aperture (Iris)	F = 1.6 (Wide) to 4.7 (Tele)	Range of Bit-Rate Setting	512 Kbps to 32 Mbps
Minimum Working Distance	Wide: 0.01 m Tele: 1.2 m	Network Interfaces	10 / 100 / 1000 Base-T
Pan / Tilt Angles	Pan: ±170° Tilt: +90° / -30°	Multi-Stream Capability	2 (RTSP / Web Page), 1080p 60fps (max.)
Pan / Tilt Speed (Manual)	Pan: 0.1° to 100° / sec Tilt: 0.1° to 100° / sec	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP
Preset Speed	Pan: 200° / sec Tilt: 200° / sec	NDI®/HX Capability	Yes (NDI HX2)
Preset Positions	10 (IR), 256 (RS-232 / RS-422 / IP)	<b>USB</b>	
Camera Control - Interfaces	RS-232 (DIN8), RS-422 (RJ45), IP	Connector	USB 3.0
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP)	Video Format	MJPEG
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror	Audio Format	PCM
Power Frequencies	50 Hz, 60 Hz	Maximum Video Resolution	1080p
<b>AI Auto Tracking Functions</b>		USB Video Class (UVC)	UVC 1.1
Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode	USB Audio Class (UAC)	UAC 1.0
<b>Audio</b>		<b>Web UI</b>	
Channel	2ch Stereo	Live Video Preview	Yes
Codecs	AAC-LC (48 / 44.1 / 32 / 24K)	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Sample Rates	48 / 44.1 / 32 / 24 / 16 / 8 KHz	Camera/Image Adjustment	Exposure, White Balance, Picture
<b>Interface</b>		Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Video Outputs	3G-SDI, HDMI, IP, USB	<b>Software Tools</b>	
Audio Outputs	3G-SDI, HDMI, IP, USB	IP Search and Configuration Tool	Support Windows® 7 or later
Audio Inputs	MIC in, Line in	<b>Warranty</b>	
<b>Package Contents</b>		Camera	3 Years
Camera, Remote Control, Power Adapter, Power Cord, Cable Ties (x 5), Screws (x 10), Cable Fixing Plates (x 2), Ceiling Mount Brackets (x 2), Quick Start Guide		Accessories	1 Year
<b>Optional Accessories</b>			
AVer CL01 PTZ Camera Controller, L-Type Wall Mount, RS-232 In/Out Cable, Din 8 To D-Sub 9 Cable			

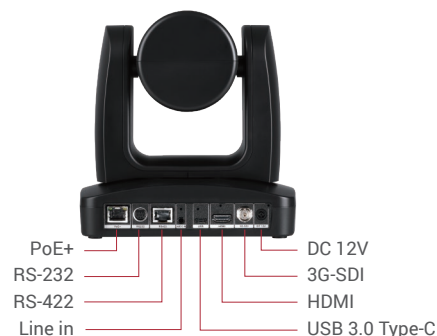
\* Specifications may vary depending on location and are subject to change without notice.

## Product Appearance

Front



Back



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Distributor/Dealer