![AVer logo]

PTZ310N
PTZ330N

NDI PTZ
Live Streaming Camera

NDI®|HX   SRT READY

TAA COMPLIANT

AVerCare   Pro AV Guarantee
24 Hour Replacement | 3 Year Warranty

Professional PTZ Camera Provider

Capture Your Events in True-to-life Video Quality with NDI-HX Connectivity

The AVer PTZ310N/330N NDI PTZ Live Streaming Camera is the latest camera with NewTek NDI® integrated. It combines both standard SDI and HDMI connections as well as Ethernet/NDI network connectivity for HD video streaming, recording, and broadcasting. The PTZ310N/330N can output HD video and audio while receiving control signal and power over a single connection. Pan, tilt, zoom, recording settings, and more can also be adjusted remotely over Ethernet.

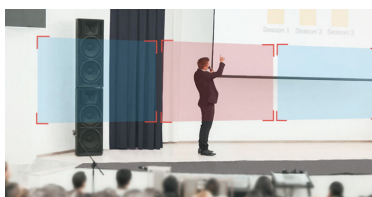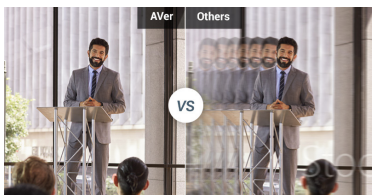| NDI│HX	12X/30X OPTICAL		4 Output		3 Yr
Support NDI│HX2 Protocol	12X/30X Optical Zoom Camera	PoE Supports	HDMI, SDI, NDI/IP & USB	Low-latency NDI Video	3-Year Warranty

Seamless Content Capture with SmartShoot

- Optimize your camera controls for automatic content capturing between preset areas
- Create a multi-camera feel across all your preset zones
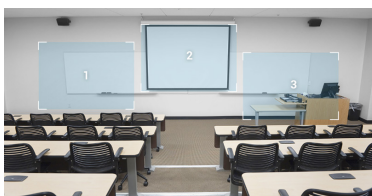- Save time and effort with a variety of shooting ranges

One-Touch Face Targeting with SmartFrame

- Instantly adjusts your FOV to fit everyone on-screen at stunning speed
- Start recording presentations, lectures, and more with no hassle
- Easily capture multiple people with one camera

Advanced Motion Control

- Achieve precise camera movement during recording
- Pan/tilt rotation maneuvers as small as 0.1° per step and as fast as 200°
- Customizable speed controls allow you to optimize your recording

Prepare for any Angle

- Up to 255 different preset locations through VISCA via RS232 and RS422 functionality
- Simplified IR remote and the ability to set 10 preprogrammed preset locations
- Easy manual control of the recording view with outstanding preset locations

Compatible Software

CRESTRON   echo360   Extron®   KALTURA   vMix

telestream   ZOOM   Panopto™   NewTek™

Product Specifications

		PTZ310N	PTZ330N
Camera	Image Sensor	1/2.8" 1080p 60fps Exmor CMOS	
	Effective Picture Elements	Approx. 2.1 megapixels	
	Output Resolution	Auto, 1080p/60, 1080p/59.94, 1080p/50, 1080i/60, 1080i/59.94, 1080i/50, 1080p/30, 1080p/29.97, 1080p/25, 720p/60, 720p/59.94, 720p/50	
	Minimum Illumination	IRE50 0.47 lux (F1.6, 30fps)	0.43 lux (IRE50, F1.6, 30fps)
	S/N Ratio	> 50dB	
	Gain	Auto / Manual	
	TV Line	800 (Center/Wide)	800 (Corner/Wide)
	Shutter Speed	1/1s to 1/32,000s	
	Exposure Control	Auto, Manual, Priority AE(Shutter, IRIS), BLC	
	White Balance	Auto / Indoor / Outdoor / One-push / Manual (2500 - 10000)	
	Optical Zoom	12X	30X
	Digital Zoom	12X	
	Horizontal Viewing Angle	72.1° (Wide) ~ 6.6° (Tele)	67° (Wide) ~ 2.7° (Tele)
	Focal Length	f = 3.9mm (Wide) ~ 46.8mm (Tele)	f = 4.3mm (Wide) ~ 129mm (Tele)
	Aperture (Iris)	F = 1.6 (Wide) ~ 2.8 (Tele)	F = 1.6 (Wide) ~ 4.7 (Tele)
	Minimum Working Distance	0.3m (Wide), 1.5m (Tele)	0.01m (Wide), 1.2m (Tele)
	Pan/Tilt Angle	Pan : +-170°, Tilt : +90°/-30°	
	Pan/Tilt Speed (Manual)	Pan : 0.1 ~ 100° /Sec, Tilt : 0.1 ~ 100° /Sec	
	Preset Speed	Pan : 200° /Sec, Tilt : 200° /Sec	
	Preset Position	10 (IR), 255 (RS232)	
	Camera Control - Interface	RS232 (DIN8) / RS422 (RJ45)	
	Camera Control - Protocol	NDI|HX, VISCA (RS232/RS422/IP), CGI (IP)	
	Image Processing	Noise Reduction (2/3D), Flip, Mirror	
	Power Frequency	Auto / 50Hz / 60Hz	
Audio	Audio - Channel	2ch (Stereo)	
	Audio - Codec	AAC-LC (48/44.1/32/24K), G.711/PCM (16K/8K)	
	Audio - Sample Rate	48 / 44.1 / 32 / 24 / 16 / 8Khz	
Interface	Video Output	3G-SDI, HDMI, IP, USB	
	Audio Output	3G-SDI, HDMI, IP, USB	
	Audio Input	MIC / Line-in / 3.5mm	
General	Power Requirement	AC100V-AC240V to DC12V/5A	
	PoE	POE+ (IEEE 802.3at), Class 4	
	Operating Condition	Temperature : 0°C ~ +40°C ; Humidity : 20% ~ 80%	
	Storage Condition	Temperature : -20°C ~ +60°C ; Humidity : 20% ~ 95%	
	Dimensions	L = 180mm, W = 145mm, H = 183.5mm	
	Weight	1.741kg	1.62kg
	Application	Indoor	
	Security	Kensington Slot	
	Remote Control	Infrared	
	Accessory	Remote control, 12V/5A power adapter	
IP Streaming	Resolution	1920x1080, 1280x720, 960x540, 640x480	
	Network Video Compress Format	H.264 (High Profile), MJPEG	
	Maximum Frame Rate	H.264:60fps (1920x1080), MJPEG:30fps (1920x1080)	
	Bit-rate Control Mode	VBR / CBR (Selectable)	
	Range of Bit-rate Setting	512Kbps ~ 32Mbps	
	Network Interface	10 / 100 / 1000Base-T	
	Multi-stream Capability	2	
	Network Protocol	NDI|HX, SRT, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP	
USB	Connector	Micro-USB 2.0	
	Video Format	YUV, MJPEG	
	Maximum Video Resolution	Up to 1080p	
	USB Video Class	UVC1.1	
	USB Audio Class	UAC1.0	
WebUI	Live Video Preview	Yes	
	Camera PTZ Control	Pan / Tilt / Zoom / Focus / Preset Control	
	Camera/Image Adjustment	Exposure / WhiteBalance / Picture	
	Network Configuration	DHCP / IP Addr / Gateway / Netmask / DNS	
Software Tools		AVer PTZ Management, CaptureShare	
Warranty	Camera	3 Years with AVerCare	
	Accessories	1 Year	
NDI Streaming	Output	NDI: NDI|HX2 (over IP interface)	
	Communication	NDI	
Ordering Info	Part Number	PAPTZ310N (Gray Color)	PAPTZ330N (Gray Color)

Hardware Specifications

Front Panel

Back Panel

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

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