



PTZ310N

PTZ330N

NDI PTZ
Live Streaming Camera

NDI[®] 5



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® 5 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.



Support NDI|HX2 Protocol



12X/30X Optical Zoom Camera



PoE Supports



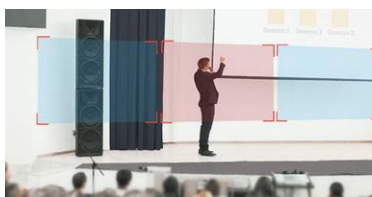
HDMI, SDI, NDI/IP & USB



Low-latency NDI Video



3-Year Warranty



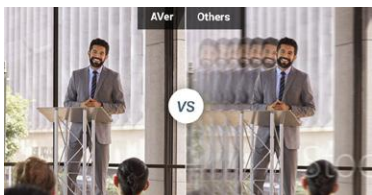
Seamless Content Capture with SmartShoot

- 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



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) ~ 2.3° (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* 5, VISCA (RS232/RS422/IP), CGI (IP)	
	Image Processing	Noise Reduction (2/3D), Flip, Mirror	
Audio	Power Frequency	Auto / 50Hz / 60Hz	
	Audio - Channel	2ch (Stereo)	
	Audio - Codec	AAC-LC (48/44.1/32/24K), G.711/PCM (16K/8K)	
Interface	Audio - Sample Rate	48 / 44.1 / 32 / 24 / 16 / 8KHz	
	Video Output	3G-SDI, HDMI, IP, USB	
	Audio Output	3G-SDI, HDMI, IP, USB	
General	Audio Input	MIC / Line-in / 3.5mm	
	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	
USB	Multi-stream Capability	2	
	Network Protocol	NDI* 5, SRT, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP	
	Connector	Micro-USB 2.0	
	Video Format	YUV, MJPEG	
	Maximum Video Resolution	Up to 1080p	
WebUI	USB Video Class	UVC1.1	
	USB Audio Class	UAC1.0	
	Live Video Preview	Yes	
Software Tools	Camera PTZ Control	Pan / Tilt / Zoom / Focus / Preset Control	
	Camera/Image Adjustment	Exposure / WhiteBalance / Picture	
	Network Configuration	DHCP / IP Addr / Gateway / Netmask / DNS	
Warranty	Camera	3 Years with AVerCare	
	Accessories	1 Year	
NDI Streaming	Output	NDI* 5 (over IP interface)	
	Communication	NDI	
Ordering Info	Part Number	PAPTZ310N (Gray Color)	PAPTZ330N (Gray Color)

Hardware Specifications



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