



PTZ310N

PTZ330N

NDI PTZ
Live Streaming Camera

NDI | HX



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.



Support NDI|HX2 Protocol



12X/30X Optical Zoom Camera



PoE Supports



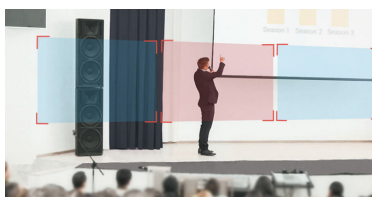
HDMI, SDI, NDI/IP & USB



Low-latency NDI Video



3-Year Warranty



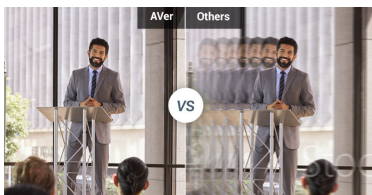
Seamless Content Capture with SmartShoot

- 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



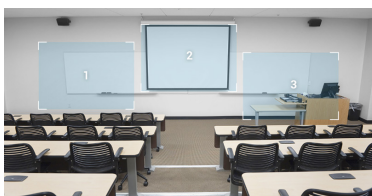
One-Touch Face Targeting with SmartFrame

- 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

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 | 0.4 lux | 0.3 lux (IRE50, F1.6, 30fps) |
| | S/N Ratio | > 50dB | |
| | Gain | Auto / Manual | |
| | TV Line | 800 (Center/Wide), 700 (Corner/Wide) | 600 (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 | 72.5° (Wide) ~ 6.3° (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 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) | |
| Interface | Audio - Sample Rate | 48 / 44.1 / 32 / 24 / 16 / 8Khz | |
| | Video Output | 3G-SDI, HDMI, IP, USB | |
| General | Audio Output | 3G-SDI, HDMI, IP, USB | |
| | Audio Input | MIC / Line-in / 3.5mm (NDI HX, HDMI & IP Stream Only) | |
| IP Streaming | 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 | |
| | 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, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP | | |
| USB | Connector | Micro-USB 2.0 | |
| | Video Format | YUV, MJPEG, H.264 | |
| | Maximum Video Resolution | Up to 1080p | |
| | USB Video Class | UVC1.1 | |
| WebUI | USB Audio Class | UAC1.0 | |
| | Live Video Preview | Yes | |
| | Camera PTZ Control | Pan / Tilt / Zoom / Focus / Preset Control | |
| | Camera/Image Adjustment | Exposure / WhiteBalance / Picture | |
| Software Tools | Network Configuration | DHCP / IP Addr / Gateway / Netmask / DNS | |
| | Device IP Searching, Configuration Tool | Windows Application | |
| 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



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