NDI® HX3 4K WEATHERPROOF PTZ

PTZ4KWP-NDI3-X30

The Storm Watch - Built for the Elements

The PTZ4KWP-NDI3-X30 is AIDA's first weatherproof PTZ camera, designed to deliver reliable 4K performance in environments where conditions are anything but predictable. With full IP output support including NDI® HX2/3, SRT, RTMP, and RTSP - alongside a rugged IP66-rated housing, this camera is built for outdoor deployment without compromise. From long-range visibility to auxiliary environmental controls like heating and cooling, this camera is a complete solution for capturing clear, controlled video in the real world.

KEY FEATURES:

- ZOOM: 30X Optical Zoom
- NDI®: NDI HX3 CERTIFIED
- ULTRA-HD: 4K UHD - 2160
- BUILT-IN LIGHT: LED 5600K LIGHT
- AUXILIARY
- PoE++ Support: PoE++
- STREAMING: RTSP/ RTMP
- SRT READY: SRT
- VISCA: IP

APPLICATIONS:

OUTDOOR EVENTS

HOSPITALITY

SURVEILLANCE CAMERA

TRAFFIC CONTROL

GOVERNMENT

*NDI® is a registered trademark of VIZRT AB.

NDI HX3 | AIDA IMAGING

MAIN FEATURES

- Stream pristine UHD (3840x2160) video at 60fps across universal IP protocols, including NDI HX3, NDI HX2, and SRT!
- Contains a 1/1.8" 4K SONY CMOS sensor guarantees flawless imaging across extreme lighting—from glaring sunlight to near-total darkness.
- A switchable IR cut filter instantly unlocks true infrared sensitivity for enhanced night vision.
- An integrated, variable-intensity white LED provides tailored, on-demand illumination for low-light environments.
- Built-in auxiliary climate controls (heating and cooling) ensure reliable operation across extreme ambient temperatures.
- Native PoE++ support for streamlined setups.
- A powerful 4K 30X optical zoom module captures crisp, detailed close-ups from 120–140 feet away.
- A dedicated 3.5mm Line-in ensures perfectly synchronized, zero-latency audio and video across all IP streams.
- An exceptionally cost-effective 4K PTZ, delivering uncompromised UHD broadcast quality for entry-level studios.
- Full Setting parameter control over the webUI, HTTP or VISCA over IP.
- Securely wall-mount via our WM-PTZ-JTYPE*, seamlessly integrating with the JBOX-PTZWP* junction box to fully weatherproof your wiring.

*sold separately

SPECIFICATIONS

VIDEO

Image Sensor	1/1.8" Progressive CMOS
Effective Pixels	Horizontal: 3840, Vertical: 2160
Pixel Size	2.0 µm (H) x 2.0 µm (V)
Resolution	2160, 1080p 3840x2160, 1920 x 1080
Resolution Rate	2160 60p/59.94p/50p/30p/29.97p/25p 1080 60p/59.94p/50p/30p/29.97p/25p 24p/23.98 720 60p/59.94p/50p/30p/29.97p/25p
Output	NDI® HX3 / HX2/ RTSP / RTMP / SRT
Color Space	4:2:2 (YCbCr) 10bit
Min. Illumination	0.1Lux

FUNCTION

White Balance	Auto, Manual, Auto Tracking, One Push, Indoor, Outdoor, Temperature
Focus	Auto, Manual
Shutter Speed	1 to 1/10,000 Sec
White LED Count	3
LED Lumen Count	180 (540 lumen total 3 LED)

LENS

Lens	30X UHD Optical Zoom
F-Stop	F1.35~F4.6
Viewing Angle	60° (wide) ~ 2° (tele)

PTZ

Pan/Tilt Range	Pan: 334°, Tilt: +49.5 to -59.5°
Pan Speed	Pan: 0.5°/s ~ 60°/s (24 steps)
Tilt Speed	Pan: 0.2°/s ~ 34.2°/s (24 steps)
Presets	127 Positions (via web UI)

AUDIO

Input	3.5mm TRS Stereo Audio Port (LINE IN)
Sample Rate	16/24/32 Bits

PHYSICAL

PTZ Housing	IP66 Rated (Cable-ends **NOT** weatherproof)
Camera Control	Protocol: VISCA ovear IP, NDI
Auxiliary Control	Heating up to 104°F/40°C and Cooling Fan
Operation Temp	14°F ~ 131°F +/- 10% or (-10°C ~ 55°C)
Dimension Home	10.1" x 5.92" x 12.1" / 25.5cm x 12.5cm x 30.5cm
Min Clearance	10.1" x 9.5" x 14.0" / 25.5cm x 24cm x 35.5cm
Weight	11lbs / 4.8kg
Power	12VDC (+9 - +15VDC) PoE++ (IEEE802.3bt Standard Required)
LED Power Draw	~680mA

*Specification are subject to change without notice.

Complete the Set! (Sold Separately)

JBOX-PTZWP

WM-PTZ-JTYPE

At **ADIA Imaging**, innovation is key to crafting our tried and tested quality imaging solutions. We strive to raise the bar by engineering and manufacturing cutting edge cameras and converters. From concept to reality, **AIDA Imaging** meticulously creates products that are applicable to various solutions, effective for the global user.