

PTZIP772NW-X32IR

Platinum 2 MP 32x IR Network Speed Dome



The PTZIP772NW-X32IR 2 MP 32x IR Network Speed Dome utilizes a 1/2.8" progressive scan CMOS sensor. With its 32x optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be used for a wide range of high-definition applications, such as rivers, roads, railways, airports, squares, parks, scenic spots, venues, etc. Empowered by deep learning algorithms, AI technology brings human and vehicle target classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- 1/2.8" progressive scan CMOS
- High quality imaging with 2 MP resolution
- Excellent low-light performance with Ultra-Low Light technology
- Audio visual alarm: The white flashing light and audible warning can be triggered by certain events
- 32x optical zoom and 16x digital zoom provide close up views over expansive areas
- Expansive night view with IR range up to 656 ft (200 m)
- Focus on human and vehicle target classification based on deep learning
- Face capture: Up to 5 faces can be captured at the same time

Detection, Observation, Recognition, Identification

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	7,217.8 ft (2200 m)	2,864.2 ft (873 m)	1,443.6 ft (440 m)	721.8 ft (220 m)

Specifications

Camera	
Image Sensor	1/2.8" progressive scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC on), B&W: 0.001 Lux @ (F1.6, AGC on), 0 Lux with IR
Shutter Speed	1/1 to 1/30000 sec.
Slow Shutter	Yes
Day & Night	IR cut filter
Zoom	32x optical, 16x digital
Lens	
Focal Length	4.8 mm to 153 mm
Zoom Speed	Approx. 4.8 sec.
Field of View	Horizontal: 50.8° to 2.6° (wide-tele) Vertical: 29.4° to 1.5° (wide-tele) Diagonal: 57.4° to 3° (wide-tele)
Aperture	Max. F1.6
Focus	Auto, semi-auto, manual
Illuminator	
Supplemental Light Type	IR
Supplemental Light Range	IR Distance: up to 656 ft (200 m)
Functionality	
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° to 90° (auto flip)
Pan Speed	Pan speed: configurable from 0.1° to 160°/sec.; preset speed: 240°/sec.
Tilt Speed	Tilt speed: configurable from 0.1° to 120°/sec., preset speed 200°/sec.
Proportional Pan	Yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Power-off Memory	Yes
Park Action	Preset, pattern scan, auto scan, tilt scan, random scan, frame scan, panorama scan
3D Positioning	Yes
PTZ Status Display	Yes
Preset Freezing	Yes
Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output

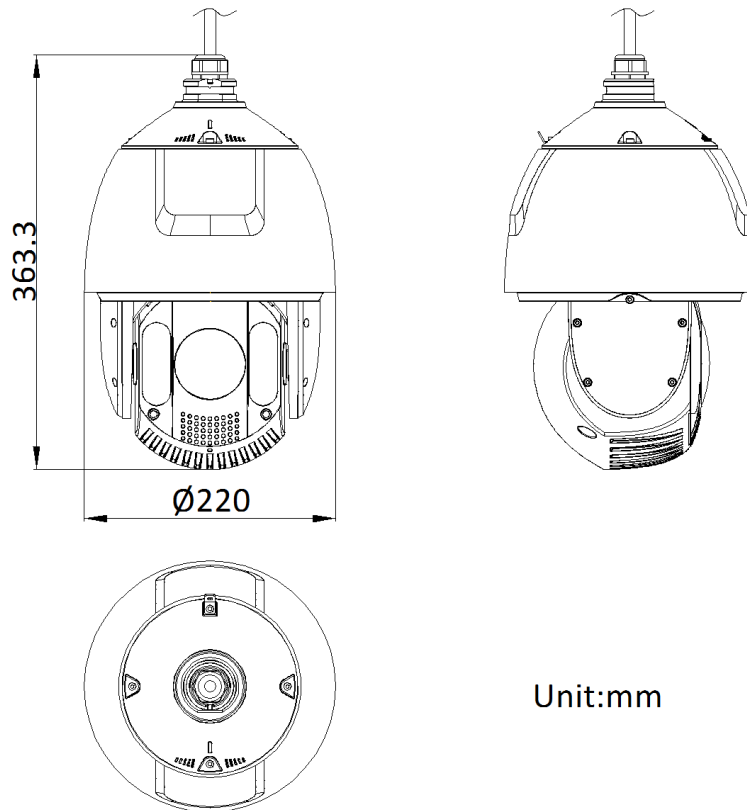
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	Main stream: H.264 / H.264+ / H.265 / H.265+ Sub-stream: MJPEG / H.264 / H.265 Third stream: MJPEG / H.264 / H.265
Video Bit Rate	32 Kbps to 16.4 Mbps
H.264 Type	Baseline Profile / Main Profile / High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	8 fixed regions for each stream
Audio	
Audio Compression	G.711 alaw, G.711 ulaw, G.722.1, G.726, MP2L2, AAC, PCM
Audio Bit Rate	64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 - 192 Kbps (MP2L2) / 16 - 64 Kbps (AAC)
Audio Sampling Rate	8 / 16 / 32 / 48 kHz
Environmental Noise Filtering	Yes
Network	
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
API	Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP / HTTPS, RTP / RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Web Browsers	Internet Explorer 11, Chrome 57+, Firefox 52+, Safari 11+
Image	
Day / Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB
Defog	Digital defog
Image Stabilization	EIS
Regional Exposure	Yes
Regional Focus	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
SNR	> 52 dB

Interface	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot supports MicroSD / SDHC / SDXC cards up to 256 GB
Alarm	2 inputs, 1 output
Audio	1 input (line in), max. input amplitude: 2-2.4 Vp-p, input impedance: 1 kΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω
Reset	Yes
Built-in Speaker	1 built-in speaker with effective distance reaching max. 30 meters
Event Types	
Basic Events	Motion detection, video tampering alarm, exception, alarm input and output
Smart Events	Detections: Line crossing, intrusion, region entrance, region exiting, unattended baggage, object removal, audio exceptions/anomalies
Alarm Linkage	Upload to FTP / NAS / memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white light flashing, and PTZ actions (such as preset, patrol scan, pattern scan)
Deep Learning Functions	
Face Capture	Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face
Perimeter Protections	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
General	
Power	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater); Hi-PoE
Operating Condition	-30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)
Demist	Yes
Materials	ADC12
Dimensions	Ø 8.66 × 13.91 in. (Ø 220 × 363.3 mm)
Weight	Approx. 11.03 lbs (5 kg)
Certifications	
Protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection
EMC	FCC SDoC (47 CFR Part 15, Subpart B) CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014) RCM (AS/NZS CISPR 32: 2015) IC VoC (ICES-003: Issue 6, 2019) KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 62368-1) CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014) CE-LVD (EN 62368-1:2014+A11:2017) BIS (IS 13252(Part 1):2010+A1:2013+A2:2015) LOA (SANS IEC60950-1)

Environmental

CE-RoHS (2011/65/EU); WEEE (2012/19/EU);
Reach (Regulation (EC) No 1907/2006)

Dimensions



Included Accessories



Optional Accessories

LTB211	LTB742	LTB751	LTB741
