



## 5" 4MP + 5MP Dual Lens IP PTZ Camera



**ZN8-2P5X30DL-H**



### Key Features

- Panoramic: 1/1.8" 4MP STARVIS™ CMOS, Detail: 1/2.8" 5MP STARVIS™ CMOS
- 30x optical zoom, 16x digital zoom
- Supports detection and capture of faces, humans, and vehicles, along with smoke and flame detection.
- Supports intelligent analysis for intrusion, single / double line crossing, loitering, wrong-way detection, illegal parking, smart motion detection, and people counting
- Auto tracking and perimeter protection based on deep learning
- True WDR, 3D DNR, ICR, Defog and DIS
- Smart Illumination, Up to 200 m IR and 60 m warm light distance
- Supports heated glass for defogging , IP66





## Specification

Camera	Detail	Panoramic
Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2592(H) × 1944(V)	2592(H) × 1520(V)
Day & Night	Fixed filter	Auto (ICR)
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with light on	Color: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light on
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s	
Lens		
Focal Length	5.3 to 159 mm	2.8 mm
Iris	Auto, F1.6 (W) to F4.3 (T)	Fixed aperture, F1.0
Angle of View	H: 56.8° to 2.6°, V: 42.7° to 2.0°	2.8 mm: H: 112°, V: 60°
Optical Zoom	30x	N/A
Focus Control	Auto/Manual/Semi-automatic	N/A
DORI		
DORI Distance (Lens)	5.3 to 159 mm	-
DORI Distance (Detection)	103 to 3,090 m (337.93 to 10,137.8 ft)	-
DORI Distance (Observe)	41.2 to 1,236 m (135.17 to 4,055.1 ft)	-
DORI Distance (Recognize)	20.6 to 618 m (67.59 to 2,027.6 ft)	-
DORI Distance (Identify)	10.3 to 309 m (33.79 to 1,013.8 ft)	-
DORI (Detect, Observe, Recognize, and Identify) is a standard system for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.		
Illuminator		
Illuminator Type	IR, Warm light	Warm light
Illumination Distance	IR distance up to 200 m (656.17 ft) Warm light up to 50 m (196.85 ft)	Warm light up to 30 m (98.4 ft)
Illumination On/Off Control	Auto/Manual	
IR wavelength	850 nm	
Intelligent Analytics		
Multi-Object Detection	Support face, human, vehicle detection and capture	Supports multiple frame modes: Full Frame, Four-corner Frame, and Mosaic.
Smoke and Flame Detection	Supported	
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, Smart Motion Detection (support the accurate detection of vehicle and human)	



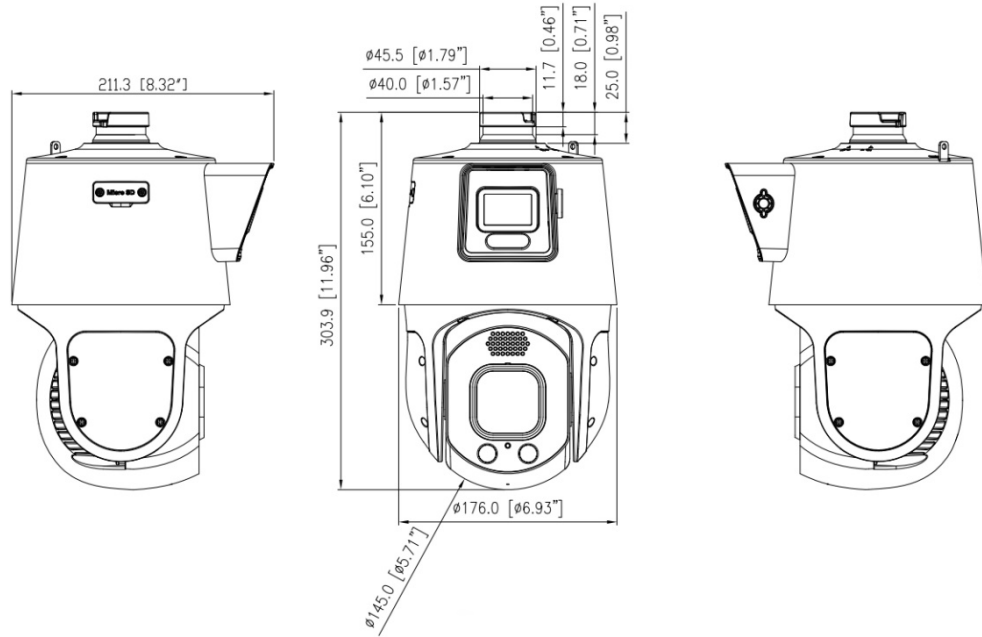
Camera	Detail	Panoramic
People Counting	Supported	
Smart Tracking	Supported	
<b>PTZ</b>		
Pan/Tilt Range	Pan: 0° to 360° endless, Tilt: -15° to +90° (auto-flip)	Tilt: 11° to 25°
Pan Speed	Pan speed: 0.1° to 180°/s, preset speed: 180°/s	N/A
Tilt Speed	Tilt speed: 0.1° to 90°/s, preset speed: 90°/s	N/A
Presets	400	
Patrol Scan	6 Track, 12 Scan, 12 Patrol (up to 32 presets each patrol)	
Power-Off Memory	Support	
3D Positioning	Support	
PTZ Status Display	Support	
Idle Motion	The time can be set (1-240 minutes), and functions such as preset positions, patrols, scans, and tracks can be run.	
<b>Video and Audio</b>		
Streaming Capability	3 Streams	
Stream/Frame Rate	Stream1: 2592×1944, 2592×1520, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps	Stream1: 2592×1520, 2304×1296, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps
Bit Rate Control	CBR/VBR	
Bit Rate	Stream1: 200 kbps to 12 Mbps Stream2: 100 kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps	
Smart Encoder	Support	
Region of Interest (ROI)	Support	
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM	
Audio Bit Rate	64 kbps (G.711), 128 kbps (RAW_PCM)	
<b>Image Event</b>		
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable	
Scene Setting	Indoor, Outdoor, Mirror	
Exposure Mode	Auto, Manual, Shutter priority	
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual	
Day/Night Setting	Auto, Day, Night, Timer	
Noise Reduction	2D/3D DNR	
Image Enhancement	HLC, BLC, Defog, WDR, Anti-shake	
Privacy Masking	Support 40 zones, mask color configurable	



Event	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Events Actions	Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output
Network	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user
Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Built-in Microphone	Supported
Built-in Speaker	Supported
Audio Interface	1ch Input, 1ch Output
Alarm Interface	2ch Input, 2ch Output
SD Card Slot	Built-in, up to 1 TB
Reset Button	Support
General	
Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	24 VAC / 36 VDC / PoE+ (802.3at), Standard Equipped: 36 VDC
Power Consumption	Less than W
Operating Temperature	-40°C to 60°C (-40°F to 140 °F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 CE-LVD - EN IEC 62368-1 FCC 47 CFR Part 15 Subpart B
Material	Metal
Dimensions	176.0 × 211.3 × 303.9 mm (6.93 × 8.32 × 11.96 inch)
Net Weight	Approx. 4.5 kg



## Dimensions (mm)



## Accessories

Optional:



Wall Bracket



Ceiling Bracket



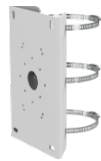
Corner Mount



Pole Mount



Junction Box



Pole Mount



Corner Mount

Specifications are subject to change without notice.