SN-IPV7150EWAR-B

5MP IR Fixed Mini Dome Network Camera

Key Features

- 1/2.7” progressive scan CMOS, up to 5MP (2880 × 1620) @ 25/30 fps
- 2.4 mm / 2.8 mm / 4mm fixed lens optional
- Supports face, human, and vehicle detection with snapshot capture
- Intelligent analytics: Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, illegal parking, and people counting.
- True WDR(120dB), 3D DNR, ROI, HLC, BLC, Defog
- Smart IR illumination up to 30 m
- Built-in microphone with 1/1 audio I/O and 1/1 alarm I/O
- Built-in microSD card slot supporting up to 1 TB
- IP67, IK10-rated housing

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Specifications

Camera	
Image Sensor	1/2.7” Progressive Scan CMOS
Max Resolution	5MP, 2880(H) × 1620(V)
Shutter Speed	1/5 to 1/20,000s
Min Illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on
Day & Night	Auto (ICR)
Angle Adjustment	Pan: ±45°, Tilt: 0° to 72°, Rotation: 0° to 360°
Lens	
Lens Type	Fixed lens, fixed focal
Focal Length	2.4 mm, 2.8 mm, 4 mm optional
Max. Aperture	F2.1 / F2.0 / F1.6
Field of View (FOV)	2.4 mm: H: 135.4°, V: 75.7° 2.8 mm: H: 105.5°, V: 56.3° 4 mm: H: 91.8°, V: 46.3°
Iris	Fixed Iris
Illuminator	
Type	IR
IR wavelength	850 nm
Distance	Up to 30 m (98.4 ft)
Control	Auto / Manual
Intelligent Analytics	
AI Multi-Target Detection	Supports face, human, and vehicle detection with snapshot capture
Intelligent Analysis	Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, and illegal parking. - Supports alarm triggering based on specified target types (human/vehicle)
People Counting	Supported
Video & Audio	
Number of Streams	3 Streams
Resolution	Stream 1: 2880 × 1620, 2592 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 Stream 2: D1, VGA, CIF Stream 3: VGA, CIF, QVGA
Frame Rate	Up to 25/30 fps
Bit Rate Control	CBR/VBR

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Bit Rate	Stream 1: 200 Kbps to 12 Mbps Stream 2: 100 Kbps to 6 Mbps Stream 3: 100 Kbps to 3 Mbps
Smart Encoding	Supported
Region of Interest (ROI)	Up to 8 zones
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror, Corridor mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day mode, Night mode, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Wide Dynamic Range	True WDR (120 dB)
Privacy Masking	Up to 4 configurable zones
Event	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, FTP upload, Email notification, Alarm output, Snapshot, 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
Application Programming Interface	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 user levels: Administrator, Operator, and Media User
Web Viewer	Chrome, Firefox, Microsoft Edge, IE11 or earlier
Security	
OS / Firmware Protect	Encrypted firmware, Signed firmware
User Authentication	Digest Authentication, Brute-Force Attack Protection
Network Authentication	IEEE 802.1X (EAP-TLS)
Secure Communication	HTTPS, WSS (WebSocket Secure), SRTP
Access Control	IP-based access control, Auto logout
Data Protect	Encryption credentials
Audit	Access, system, and event logs
Supply Chain Security	SBOM

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Interface	
Network Interface	1 × RJ45 10/100 Mbps Ethernet port
Built-in Microphone	Supported
Audio Interface	1 input (3.5 mm), 1 output (3.5 mm)
Alarm Interface	1 input, 1 output
SD Card Slot	Built-in microSD card slot (up to 1 TB)
Reset Button	Supported
General	
Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC (-15% to +25%)/PoE (802.3af)
Power Consumption	Typical: 2.5 W (IR off, 12 VDC) / approx. 3.2 W (PoE) Max: 4.5 W (IR on, 12 VDC) / approx. 5.7 W (PoE)
Operating Temperature	-30℃ to 60℃ (-22℉ to 140℉)
Operating Humidity	< 95% RH, non-condensing
Ingress Protection	IP67, IK10
Certifications	CE-EMC: EN 55032, EN IEC 61000-6-3, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC: 47 CFR Part 15, Subpart B
Material	Aluminum alloy housing; PC dome cover
Dimensions	99.6 × 99.6 × 63.3 mm (3.92 × 3.92 × 2.49 inch)
Net Weight	Approx. 478 g (1.05 lb)
DORI Distance (EN 62676-4 standard)	
Detect	2.4 mm: 48 m (157.5 ft) / 2.8 mm: 68 m (223.1 ft) / 4 mm: 96 m (315.0 ft)
Observe	2.4 mm: 19.2 m (63.0 ft) / 2.8 mm: 27.2 m (89.2 ft) / 4 mm: 38.4 m (126.0 ft)
Recognize	2.4 mm: 9.6 m (31.5 ft) / 2.8 mm: 13.6 m (44.6 ft) / 4 mm: 19.2 m (63.0 ft)
Identify	2.4 mm: 4.8 m (15.8 ft) / 2.8 mm: 6.8 m (22.3 ft) / 4 mm: 9.6 m (31.5 ft)

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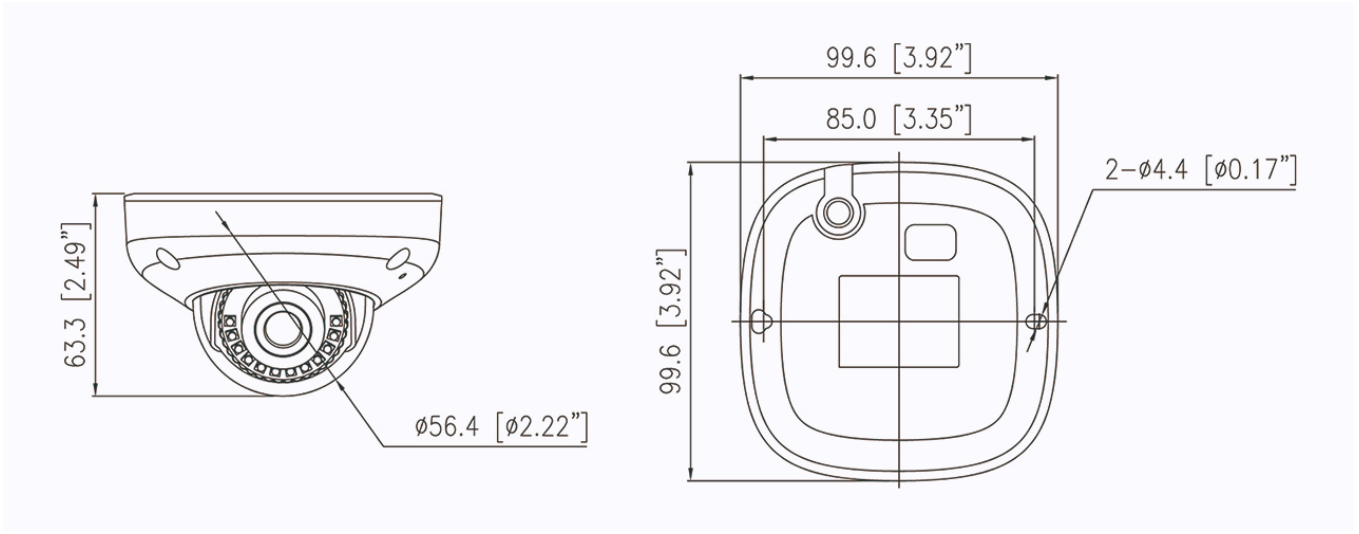
Dimensions (mm)



Accessories

Optional:

SN-CBK647 Junction Box	SN-BK382A Wall Mount	SN-CBK204 Pendant Cap	SN-CBK402 Ceiling Mount
SN-CBK501 Wall Mount	SN-CBK502 Wall Mount	SN-CBK101 Pole Mount	SN-CBK102 Corner Mount

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