

SN-IPV8084EGAR-B

8MP Starlight IR Fixed Mini Dome Network Camera



Key Features

- 1/1.8" STARVIS™ CMOS
- Max. 8MP(3840×2160) @25/30fps resolution
- 2.8 mm / 4 mm fixed lens optional
- Supports face, human, and vehicle detection & capture.
- Supports human and vehicle attribute detection.
- Intelligent analytics: Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection, and people counting.
- True WDR (120dB), 3D DNR, ROI, Defog, HLC
- Smart IR distance up to 30 m
- Built-in microphone, 1/1 audio input/output, 1/1 alarm input/output
- Built-in microSD card slot (up to 1 TB)
- IP66 protection

Specifications

| Camera | |
|-----------------------|---|
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Max Resolution | 8MP, 3840(H) × 2160(V) |
| Shutter Speed | 1/5 to 1/20,000s |
| Min Illumination | Color: 0.003 Lux @ (F1.3, AGC ON), B/W: 0.0008 Lux @ (F1.3, 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 | 2.8 mm, 4 mm optional |
| Max. Aperture | F1.6 |
| Field of View (FOV) | 2.8 mm: - H: 110.5°, V: 56.5° 4 mm: - H: 88.4°, V: 50° |
| 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 | - Supports face, human, and vehicle detection & capture - Supports human and vehicle attribute detection - Supports multiple frame modes: Full Frame, Four-Corner Frame, Mosaic |
| Attribute Extraction | Human Attributes: Gender, age, glasses, hat, bag, upper clothing color & style, lower clothing color & style, reflective vest Vehicle Attributes: Type, color, brand, orientation |
| Intelligent Analysis | Intrusion detection, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection - Supports accurate target classification (human/vehicle) |
| People Counting | Supported |
| Video & Audio | |
| Number of Streams | 3 Streams |

| | |
|-----------------------------------|---|
| Resolution | Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 Stream2: D1, VGA, CIF Stream3: VGA, CIF, QVGA |
| Frame Rate | Up to 25/30fps |
| Bit Rate Control | CBR/VBR |
| Bit Rate | Stream1: 200 Kbps to 16 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps |
| Smart Encoding | Supported |
| Region of Interest (ROI) | Off/On (8 Zone, Rectangle) |
| 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, Night, Timer |
| Noise Reduction | 2D/3D DNR |
| Image Enhancement | HLC, BLC, Defog, WDR |
| Wide Dynamic Range | True WDR (120dB) |
| Privacy Masking | 4 areas |
| Event | |
| Alarm Triggers | IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection |
| Event Actions | Alarm record, Alarm output, FTP upload, SMTP upload, 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 levels: Administrator, Operator, Media user |
| Web Viewer | <IE11, Chrome, Firefox, Microsoft Edge |
| Security | |
| OS / Firmware Protect | Encrypted firmware, Secure boot, Signed firmware |
| User Authentication | Digest authentication, Prevent brute-force attack |
| Network Authentication | IEEE 802.1X (EAP-TLS) |

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|-----------------------|--|
| Secure Communication | HTTPS, WSS (WebSocket Secure), SRTP |
| Access Control | IP-based access control, Auto logout |
| Data Protect | Encryption credentials |
| Audit | Access / System / Event Log management |
| Secure Storage | SDcard partition encrypt (AES-256), Secure element |
| Supply Chain Security | SBOM |

Interface

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|---------------------|---|
| Network Interface | 1 × Ethernet (10/100 Base-T), RJ-45 connector |
| Built-in Microphone | Supported |
| Audio Interface | 1ch Input, 1ch Output |
| Alarm Interface | 1ch Input, 1ch Output |
| SD Card Slot | Built-in microSD card slot, up to 1 TB |
| Reset Button | Supported |

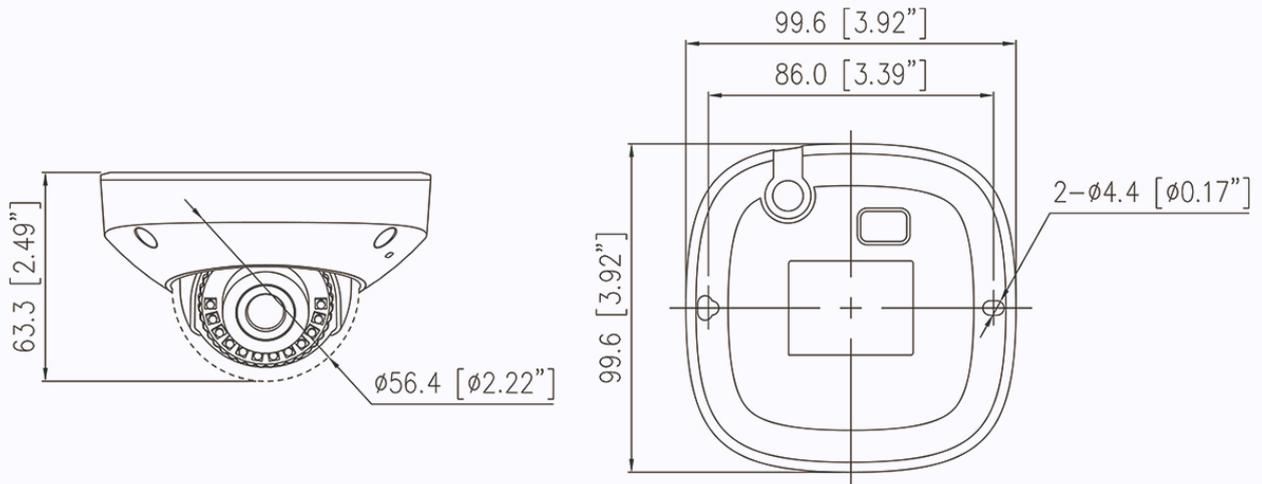
General

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|-----------------------|--|
| Language | English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English |
| Power Supply | 12 VDC (-10% to +25%) / PoE (802.3af) |
| Power Consumption | Typical: 3.3 W (12 VDC) / approx. 4.2 W (PoE) Max (IR on): 5.3 W (12 VDC) / approx. 6.7 W (PoE) |
| Operating Temperature | -40°C to 60°C (-40°F to 140°F) |
| Operating Humidity | Less than 95% 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 FCC 47 CFR Part 15 Subpart B |
| Material | Base: aluminum, cover: plastic, bubble: plastic |
| Dimensions | 99.6 × 99.6 × 63.3 mm (3.92 × 3.92 × 2.49 inch) |
| Net Weight | Approx. 0.39 kg (0.87 lb) |

DORI Distance (EN62676-4 standard)

| | |
|-----------|--|
| Detect | 2.8 m: 89.7 m (294.3 ft) 4 mm: 100 m (328.1 ft) |
| Observe | 2.8 m: 35.9 m (117.8 ft) 4 mm: 40 m (131.2 ft) |
| Recognize | 2.8 m: 17.9 m (58.7 ft) 4 mm: 20 m (65.6 ft) |
| Identify | 2.8 m: 9 m (29.5 ft) 4 mm: 10 m (32.8 ft) |

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