

# SN-IPV8056EGAR-B

5MP IR Fixed Mini Dome Network Camera



## Key Features

- 1/2.8" STARVIS™ CMOS, up to 5MP (2592 × 1944) @ 25/30 fps
- 2.4 mm / 2.8 mm / 4 mm 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, 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              | 1/2.8" Progressive Scan CMOS                                                                                                                                                                                                                                                            |
| Max Resolution            | 5MP, 2592(H) × 1944(V)                                                                                                                                                                                                                                                                  |
| Shutter Speed             | 1/5 to 1/20,000s                                                                                                                                                                                                                                                                        |
| Min Illumination          | Color: 0.005 Lux @ (F1.6, AGC ON),<br>B/W: 0.001 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:<br>- H: 122.7°, V: 91.9°<br>2.8 mm:<br>- H: 93.9°, V: 68.7°<br>4 mm:<br>- H: 80.6°, V: 57°                                                                                                                                                                                      |
| 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<br>- Supports tracking display modes: Full Frame, Four-Corner Frame, and Mosaic                                                                                                                                     |
| Intelligent Analysis      | 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, and fight detection.<br>- Supports accurate human and vehicle classification |
| People Counting           | Supported                                                                                                                                                                                                                                                                               |
| Video & Audio             |                                                                                                                                                                                                                                                                                         |
| Number of Streams         | 3 Streams                                                                                                                                                                                                                                                                               |
| Resolution                | Stream1: 2592×1944, 2592×1520, 1920×1080, 1280×720<br>Stream2: D1, VGA, CIF<br>Stream3: VGA, CIF, QVGA                                                                                                                                                                                  |

|                          |                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------|
| Frame Rate               | Up to 25/30fps                                                                             |
| Bit Rate Control         | CBR/VBR                                                                                    |
| Bit Rate                 | Stream1: 200 Kbps to 12 Mbps<br>Stream2: 100 Kbps to 6 Mbps<br>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 $\mu$ -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, Email notification, Snapshot, Audible alarm output                      |

## Network

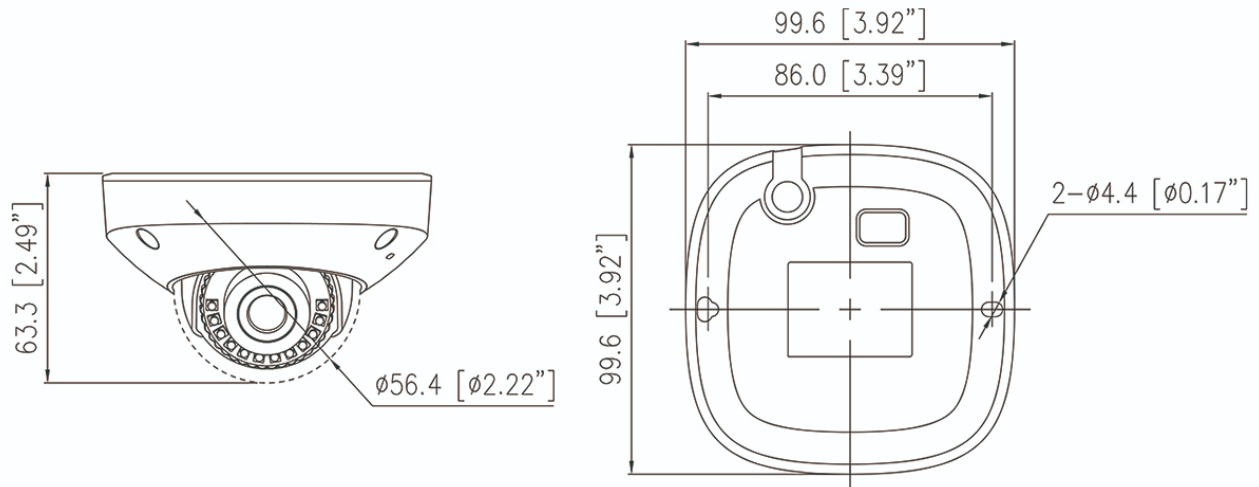
|                                   |                                                                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols                         | IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTP/RTCP, 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, 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 log management                                                                                                           |
| Secure Storage                             | AES-256 encrypted SD card storage                                                                                                                  |
| Supply Chain Security                      | SBOM                                                                                                                                               |
| <b>Interface</b>                           |                                                                                                                                                    |
| 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                                                                                                                                          |
| <b>General</b>                             |                                                                                                                                                    |
| 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                          | Max 4.5 W                                                                                                                                          |
| Operating Temperature                      | -40°C to 60°C (-40°F to 140°F )                                                                                                                    |
| Operating Humidity                         | Less than 95% RH                                                                                                                                   |
| Ingress Protection                         | IP66                                                                                                                                               |
| Certifications                             | CE-EMC<br>- EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4<br>FCC 47 CFR Part 15 Subpart B                       |
| Material                                   | Aluminum alloy; PC components                                                                                                                      |
| Dimensions                                 | 99.6 × 99.6 × 63.3 mm (3.92 × 3.92 × 2.49 inch)                                                                                                    |
| Net Weight                                 | Approx. 400 g (0.88 lb)                                                                                                                            |
| <b>DORI Distance (EN 62676-4 standard)</b> |                                                                                                                                                    |
| Detect                                     | 2.4 mm: 48 m (157.5 ft) / 2.8 mm: 68 m (223.1 ft) / 4 mm: 88 m (288.7 ft)                                                                          |
| Observe                                    | 2.4 mm: 19.2 m (63.0 ft) / 2.8 mm: 27.2 m (89.2 ft) / 4 mm: 5.2 m (115.5 ft)                                                                       |
| Recognize                                  | 2.4 mm: 9.6 m (31.5 ft) / 2.8 mm: 13.6 m (44.6 ft) / 4 mm: 17.6 m (57.7 ft)                                                                        |
| Identify                                   | 2.4 mm: 4.8 m (15.8 ft) / 2.8 mm: 6.8 m (22.3 ft) / 4 mm: 8.8 m (28.9 ft)                                                                          |

## Dimensions (mm)



## Accessories

### Optional:

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