



# SN-IPV8050EFAR-B

5MP IR Fixed Dome Network Camera



## Key Features

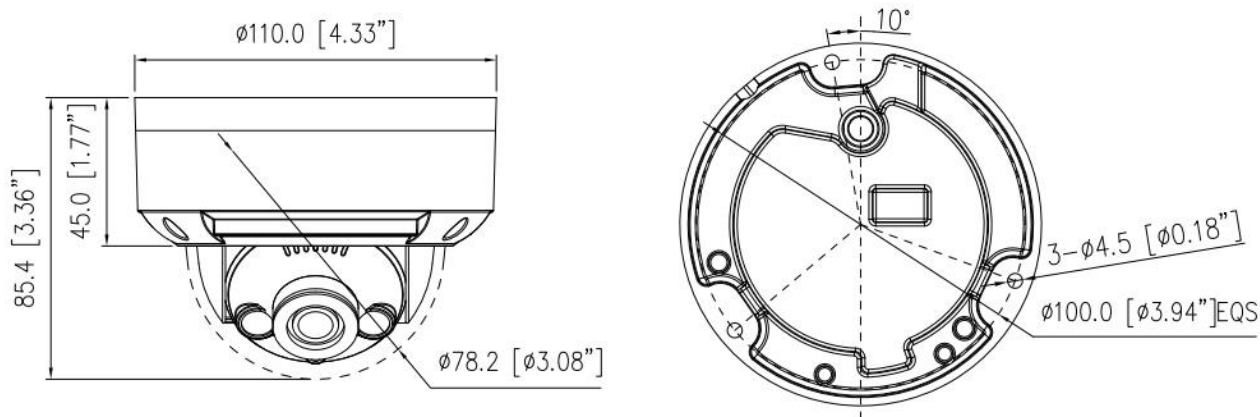
- 1/2.8" progressive scan CMOS
- Max. 5MP(2592×1944) @25/30 fps resolution
- 2.8mm fixed lens (4mm optional)
- True WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection and capture
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting
- 1/1 audio in/out, 1/1 alarm in/out
- Built-in SD card slot
- Smart IR distance up to 30 m
- IP67, IK10

## Specification

| Camera                      |                                                                                                                                                 |                 |                   |                  |                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|------------------|-----------------|
| Image Sensor                | 1/2.8” Progressive Scan CMOS                                                                                                                    |                 |                   |                  |                 |
| Max. Resolution             | 5MP (2592 × 1944)                                                                                                                               |                 |                   |                  |                 |
| Electronic Shutter          | Auto/Manual, 1/5 to 1/20,000 s                                                                                                                  |                 |                   |                  |                 |
| Min. illumination           | Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)                                                                                      |                 |                   |                  |                 |
| Day & Night                 | IR cut filter                                                                                                                                   |                 |                   |                  |                 |
| Angle Adjustment            | Pan: 0° to 335°, Tilt: 0° to 75°, Rotation: 350°                                                                                                |                 |                   |                  |                 |
| Lens                        |                                                                                                                                                 |                 |                   |                  |                 |
| Lens Type                   | Fixed focus                                                                                                                                     |                 |                   |                  |                 |
| Iris                        | Fixed Iris                                                                                                                                      |                 |                   |                  |                 |
| Focal Length                | 2.8 mm                                                                                                                                          | 4mm             |                   |                  |                 |
| F Number                    | F2.0                                                                                                                                            | F1.6            |                   |                  |                 |
| Angle of View               | H: 93.8°, V: 68.2°                                                                                                                              |                 | H: 80°, V: 56.6°  |                  |                 |
| DORI                        |                                                                                                                                                 |                 |                   |                  |                 |
| DORI Distance               | Lens                                                                                                                                            | Detect          | Observe           | Recognize        | Identify        |
|                             | 2.8 mm                                                                                                                                          | 72 m (236.2 ft) | 32.8 m (107.6 ft) | 14.4 m (47.2 ft) | 7.2 m (23.6 ft) |
|                             | 4 mm                                                                                                                                            | 80 m (262.4 ft) | 32 m (105 ft)     | 16 m (52.5 ft)   | 8 m (26.2 ft)   |
| Illuminator                 |                                                                                                                                                 |                 |                   |                  |                 |
| Illuminator Type            | IR                                                                                                                                              |                 |                   |                  |                 |
| Illumination Distance       | Up to 30 m (98.4 ft)                                                                                                                            |                 |                   |                  |                 |
| Illumination On/Off Control | Auto/Manual                                                                                                                                     |                 |                   |                  |                 |
| Video                       |                                                                                                                                                 |                 |                   |                  |                 |
| Streaming Capability        | 3 Streams                                                                                                                                       |                 |                   |                  |                 |
| Stream/Frame Rate           | Stream1: 2592 × 1944, 2592 × 1520, 1920 × 1080, 1280 × 720 @25/30 fps<br>Stream2: D1, VGA, CIF @25/30 fps<br>Stream3: VGA, CIF, QVGA @25/30 fps |                 |                   |                  |                 |
| 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                                                      |                 |                   |                  |                 |
| Region of Interest          | Off/On (8 areas, Rectangle)                                                                                                                     |                 |                   |                  |                 |
| Smart Encode                | Support                                                                                                                                         |                 |                   |                  |                 |
| Audio                       |                                                                                                                                                 |                 |                   |                  |                 |
| Compression                 | G.711, RAW_PCM                                                                                                                                  |                 |                   |                  |                 |
| Bit Rate                    | 64Kbps (G.711), 128Kps (RAW_PCM)                                                                                                                |                 |                   |                  |                 |
| Image                       |                                                                                                                                                 |                 |                   |                  |                 |
| Image Adjustment            | Brightness, Sharpness, Contrast, Saturation adjustable                                                                                          |                 |                   |                  |                 |
| Aisle Mode                  | Support                                                                                                                                         |                 |                   |                  |                 |

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mirror                 | Support                                                                                                                                               |
| White Balance          | Auto/Manual                                                                                                                                           |
| Day/Night Setting      | Auto, Day, Night, Time                                                                                                                                |
| Smart IR               | Support                                                                                                                                               |
| Noise Reduction        | 2D/3D DNR                                                                                                                                             |
| Image Enhancement      | HLC, BLC, Defog                                                                                                                                       |
| Wide Dynamic Range     | True WDR                                                                                                                                              |
| S/N Ratio              | 55dB                                                                                                                                                  |
| Motion Detection       | Support                                                                                                                                               |
| Privacy Masking        | 4 areas                                                                                                                                               |
| <b>Smart Function</b>  |                                                                                                                                                       |
| Multi-Object Detection | Supports face, human, vehicle detection and capture                                                                                                   |
| Intelligent Analytics  | Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way<br>Support alarm triggering by specified target types (human and vehicle) |
| People Counting        | Support                                                                                                                                               |
| <b>Network</b>         |                                                                                                                                                       |
| Protocols              | IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP, TLS/SSL                            |
| Interoperability       | ONVIF, SDK, CGI                                                                                                                                       |
| Streaming Method       | Multicast                                                                                                                                             |
| Max. User Access       | 10 Users                                                                                                                                              |
| Web Viewer             | <IE11, Chrome, Firefox, Microsoft Edge                                                                                                                |
| Language               | English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English                                           |
| <b>Interface</b>       |                                                                                                                                                       |
| Network Interface      | 1 Ethernet (10/100 Base-T) RJ-45 Connector                                                                                                            |
| Audio Interface        | 1ch Input, 1ch Output                                                                                                                                 |
| Alarm Interface        | 1ch Input, 1ch Output                                                                                                                                 |
| Reset Button           | Support                                                                                                                                               |
| SD Card Slot           | Built-in, up to 256GB                                                                                                                                 |
| <b>Electrical</b>      |                                                                                                                                                       |
| Power Supply           | DC12V (-15% to +25%)/PoE (IEEE 802.3af)                                                                                                               |
| Power Consumption      | Max 5.5 W                                                                                                                                             |
| Operating Temperature  | -40°C to 55°C (-40°F to 131°F )                                                                                                                       |
| Operating Humidity     | Less than 90% RH                                                                                                                                      |
| Ingress Protection     | IP67, IK10                                                                                                                                            |
| Certifications         | CE/FCC                                                                                                                                                |
| Casing                 | Metal                                                                                                                                                 |
| Dimensions             | φ110 × 85.4 mm (φ4.33 × 3.36 inch)                                                                                                                    |
| Net Weight             | 0.47 kg (1.04 lb)                                                                                                                                     |

Dimensions (mm)



Accessories

Optional:



SN-CBK656  
Junction Box



SN-CBK202  
Pendant Cap



SN-CBK402  
Pendant Mount



SN-CBK501  
Wall Mount



SN-CBK502  
Wall Mount



SN-CBK101  
Pole Mount



SN-CBK102  
Corner Mount