



# SN-IPV8046EEAR-Z

4MP IR Varifocal Dome Network Camera



## Key Features

- 1/2.8" STARVIS™ CMOS
- 25/30fps @ 4MP(2592×1520)
- 2.7 to 13.5 mm motorized focal lens
- Support face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single / double line crossing, loitering, wrong-way detection, illegal parking, smart motion detection, and people counting
- True WDR, 3D DNR, ROI, Defog, HLC
- Smart IR distance up to 40 m
- 1/1 audio input/output, 1/1 alarm input/output
- Built-in micro SD card slot (up to 1 TB)
- IP66, IK10



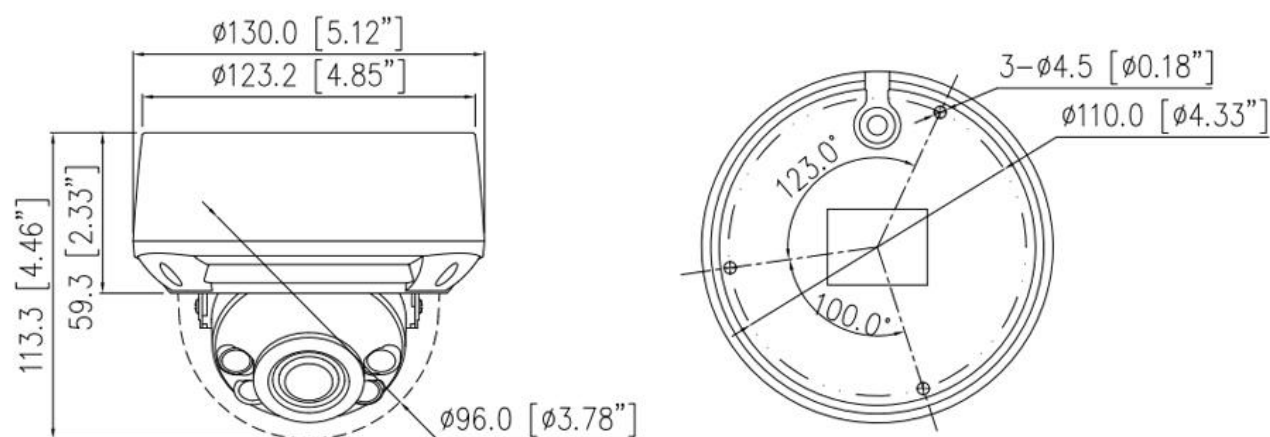
## Specification

| Camera                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                                                                                                                                                                                                                                                               | 1/2.8" Progressive Scan CMOS                                                                                                                                                                                 |
| Max. Resolution                                                                                                                                                                                                                                                            | 4MP, 2592H) × 1520(V)                                                                                                                                                                                        |
| Electronic Shutter                                                                                                                                                                                                                                                         | Auto/Manual, 1/5 to 1/100,000s                                                                                                                                                                               |
| Min. illumination                                                                                                                                                                                                                                                          | Color: 0.005 Lux @ (F1.6, AGC ON) , B/W: 0 Lux with IR                                                                                                                                                       |
| Day & Night                                                                                                                                                                                                                                                                | Auto (ICR)                                                                                                                                                                                                   |
| Wide Dynamic Range                                                                                                                                                                                                                                                         | True WDR                                                                                                                                                                                                     |
| Angle Adjustment                                                                                                                                                                                                                                                           | Pan: 0° to 355°, Tilt: 0° to 75°, Rotation: 0° to 355°                                                                                                                                                       |
| Lens                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                              |
| Lens Type                                                                                                                                                                                                                                                                  | Varifocal lens, Motorized focal                                                                                                                                                                              |
| Iris                                                                                                                                                                                                                                                                       | Fixed Iris                                                                                                                                                                                                   |
| Focal Length                                                                                                                                                                                                                                                               | 2.7 to 13.5 mm                                                                                                                                                                                               |
| Max. Aperture                                                                                                                                                                                                                                                              | F1.6                                                                                                                                                                                                         |
| Field of View (FOV)                                                                                                                                                                                                                                                        | H: 96.6° to 27°, V: 51.9° to 15.1°                                                                                                                                                                           |
| DORI Distance                                                                                                                                                                                                                                                              |                                                                                                                                                                                                              |
| Detect                                                                                                                                                                                                                                                                     | 69 to 219 m (226.4 to 718.5 ft)                                                                                                                                                                              |
| Observe                                                                                                                                                                                                                                                                    | 27.6 to 87.6 m (90.6 to 287.4 ft)                                                                                                                                                                            |
| Recognize                                                                                                                                                                                                                                                                  | 13.8 to 43.8 m (45.3 to 143.7 ft)                                                                                                                                                                            |
| Identify                                                                                                                                                                                                                                                                   | 6.9 to 21.9 m (22.6 to 71.9 ft)                                                                                                                                                                              |
| DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) 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                                                                                                                                                                                                           |
| Illumination Distance                                                                                                                                                                                                                                                      | Up to 40 m (131.2 ft)                                                                                                                                                                                        |
| Illumination On/Off Control                                                                                                                                                                                                                                                | Auto/Manual                                                                                                                                                                                                  |
| IR wavelength                                                                                                                                                                                                                                                              | 850 nm                                                                                                                                                                                                       |
| Intelligent Analytics                                                                                                                                                                                                                                                      |                                                                                                                                                                                                              |
| Multi-Object Detection                                                                                                                                                                                                                                                     | Supports face, human, vehicle detection and capture.<br>Supports multiple frame modes: Full Frame, Four-corner Frame, and Mosaic.                                                                            |
| Intelligent Analysis                                                                                                                                                                                                                                                       | Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way detection, Illegal parking, and Smart motion detection<br>Support alarm triggering by specified target types (human and vehicle) |

|                          |                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| People Counting          | Support                                                                                                                                           |
| <b>Video and Audio</b>   |                                                                                                                                                   |
| Streaming Capability     | 3 Streams                                                                                                                                         |
| Stream/Frame Rate        | Stream1: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps<br>Stream2: D1, VGA, CIF @25/30fps<br>Stream3: VGA, CIF, QVGA @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 Encoder            | Support                                                                                                                                           |
| 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)                                                                                                               |
| <b>Image</b>             |                                                                                                                                                   |
| 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                                                                                                                              |
| Privacy Masking          | 4 areas                                                                                                                                           |
| <b>Event</b>             |                                                                                                                                                   |
| 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, Audible alarm output                                                                         |
| <b>Network</b>           |                                                                                                                                                   |
| 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                                                                                                         |
| Audio Interface       | 1ch Input, 1ch Output                                                                                                                              |
| Alarm Interface       | 1ch Input, 1ch 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          | 12 VDC (-10% to +25%)/PoE (802.3af)                                                                                                                |
| Power Consumption     | Max 6.5 W                                                                                                                                          |
| Operating Temperature | -40°C to 60°C (-40°F to 140°F )                                                                                                                    |
| Operating Humidity    | Less than 90% RH                                                                                                                                   |
| Ingress Protection    | IP66, IK10                                                                                                                                         |
| 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 body, bubble: plastic                                                                                                               |
| Dimensions            | φ130 × 113.3 mm (φ5.12 × 4.46 inch)                                                                                                                |
| Net Weight            | 0.8 kg (1.76 lb)                                                                                                                                   |

## Dimensions (mm)



## Accessories

Optional:



SN-CBK657  
Junction Box



SN-CBK201  
Pendant Cap



SN-CBK402  
Ceiling Mount



SN-CBK901  
Recessed Mount



SN-CBK501  
Wall Mount



SN-CBK502  
Wall Mount



SN-CBK101  
Pole Mount



SN-CBK102  
Corner Mount