



# SN-IPP8086MEAC-B

8MP Dual-sensor Panoramic Network Camera



## Key Features

- 2×5MP 1/2.8" STARVIS™ CMOS
- Output 190° wide angle splicing image
- Outputs max. 8MP (4224×1848)@25/30 fps, and supports 2592×1944 @25/30fps
- Support human and vehicle detection and capture
- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting, smart motion detection and heat map
- True WDR, 3D DNR, ROI, Defog, HLC
- Built-in warm light and IR light, the max. illumination distance up to 30m (98.4 ft)
- Built-in red and blue warning light, support sound-light warning
- Built-in microphone and speaker, 1/1 audio in/out, 1/1 alarm in/out
- Built-in SD card slot, up to 1 TB
- IP66



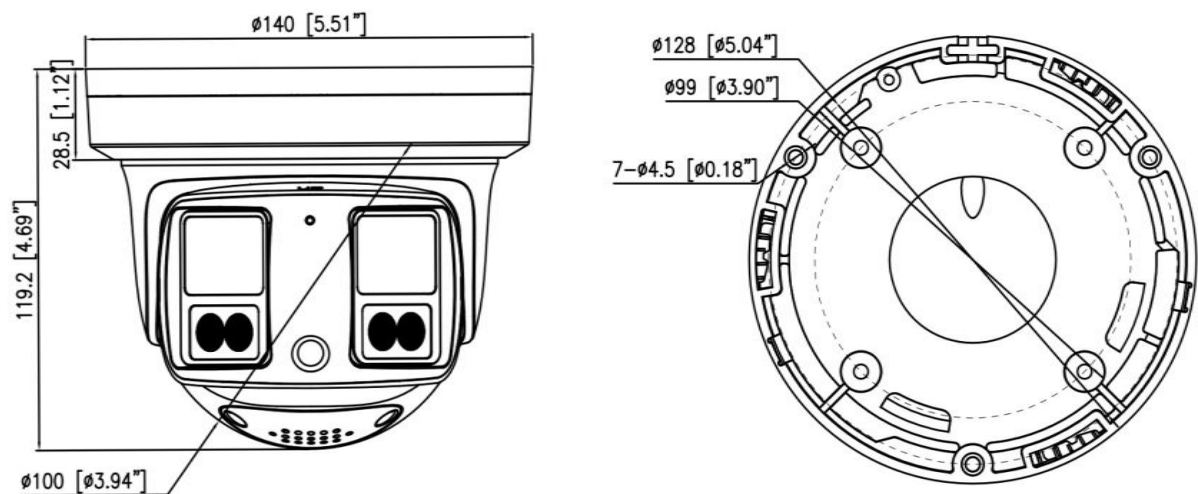
## Specification

| Camera                                                                                                                                                                                                                                                                     |                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                                                                                                                                                                                                                                                               | Dual 1/2.8" Progressive Scan CMOS                                                                                                 |
| Max. Resolution                                                                                                                                                                                                                                                            | 8MP, 4224(H) × 1848(V)                                                                                                            |
| Electronic Shutter                                                                                                                                                                                                                                                         | Auto/Manual, 1/5 to 1/100,000s                                                                                                    |
| Min. illumination                                                                                                                                                                                                                                                          | Color: 0.01 Lux @ (F1.6,AGC ON)<br>B/W: 0.001 Lux @ (F1.6,AGC ON), 0 Lux with light on                                            |
| Day & Night                                                                                                                                                                                                                                                                | Auto (ICR)                                                                                                                        |
| Wide Dynamic Range                                                                                                                                                                                                                                                         | True WDR                                                                                                                          |
| Angle Adjustment                                                                                                                                                                                                                                                           | Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°                                                                            |
| Lens                                                                                                                                                                                                                                                                       |                                                                                                                                   |
| Lens Type                                                                                                                                                                                                                                                                  | Fixed-focal lens, Dual lens                                                                                                       |
| Iris                                                                                                                                                                                                                                                                       | Fixed Iris                                                                                                                        |
| Focal Length                                                                                                                                                                                                                                                               | 2.4 mm                                                                                                                            |
| Max. Aperture                                                                                                                                                                                                                                                              | F1.6                                                                                                                              |
| Field of View (FOV)                                                                                                                                                                                                                                                        | H: 192.4°, V: 80.2°                                                                                                               |
| DORI Distance                                                                                                                                                                                                                                                              |                                                                                                                                   |
| Detect                                                                                                                                                                                                                                                                     | 53 m (173.9 ft)                                                                                                                   |
| Observe                                                                                                                                                                                                                                                                    | 21.2 m (69.6 ft)                                                                                                                  |
| Recognize                                                                                                                                                                                                                                                                  | 10.6 m (34.8 ft)                                                                                                                  |
| Identify                                                                                                                                                                                                                                                                   | 5.3 m (17.4 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                                                                                                                                                                                                                                                           | 2 (IR LED), 2 (Warm Light)                                                                                                        |
| Illumination Distance                                                                                                                                                                                                                                                      | IR distance up to 30 m (98.4 ft)<br>Warm light distance up to 20 m (65.6 ft)                                                      |
| Illumination Control                                                                                                                                                                                                                                                       | IR mode, White mode, Intelligent mode, None                                                                                       |
| 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, Illegal parking, and Smart motion detection.         |

|                          |                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | Support alarm triggering by specified target types (human and vehicle).                                                                                                                                                                                                                                                                 |
| People Counting          | Support                                                                                                                                                                                                                                                                                                                                 |
| Heat Map                 | Support                                                                                                                                                                                                                                                                                                                                 |
| <b>Video and Audio</b>   |                                                                                                                                                                                                                                                                                                                                         |
| Streaming Capability     | 3 Streams                                                                                                                                                                                                                                                                                                                               |
| Stream/Frame Rate        | Splicing mode:<br>- Stream1: 4224×1848, 3072×1760, 3072×1536, 2880×1440, 2560×1280, 2048×1024 @ 25/30fps<br>- Stream2: 1920×832, 1536×576 @ 25/30fps<br>- Stream3: 1920×832, 1280×560 @ 25/30fps<br>Multi-channel mode:<br>- Stream1: 2592×1944, 2592×1520, 1920×1080, 1280×720 @ 25/30fps,<br>- Stream2: D1, VGA, CIF, QVGA @ 25/30fps |
| Bit Rate Control         | CBR/VBR                                                                                                                                                                                                                                                                                                                                 |
| Bit Rate                 | Splicing mode:<br>- Stream1: 500 kbps to 16 Mbps<br>- Stream2: 200 kbps to 8 Mbps<br>- Stream3: 200 kbps to 8 Mbps<br>Multi-channel mode:<br>- Stream1: 200 kbps to 16 Mbps<br>- Stream2: 100 kbps to 6 Mbps                                                                                                                            |
| Smart Encoder            | Support                                                                                                                                                                                                                                                                                                                                 |
| Region of Interest (ROI) | Support                                                                                                                                                                                                                                                                                                                                 |
| Audio Compression        | G.711 A-law, G.711 $\mu$ -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 Setting            | Indoor, Outdoor                                                                                                                                                                                                                                                                                                                         |
| 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        | WDR, HLC, BLC, Defog                                                                                                                                                                                                                                                                                                                    |
| 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, White light alarm output, Red and blue light alarm                                                                                                                                                                                                           |
| <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                                                                                                             |
| <b>Interface</b>       |                                                                                                                                                    |
| Network Interface      | 1 Ethernet (100/1000 Base-T) RJ-45 Connector                                                                                                       |
| Built-in Microphone    | Support                                                                                                                                            |
| Built-in Speaker       | Support                                                                                                                                            |
| Audio Interface        | 1ch Input, 1ch Output                                                                                                                              |
| Alarm Interface        | 1ch Input, 1ch Output                                                                                                                              |
| SD Card Slot           | Built-in, up to 1 TB                                                                                                                               |
| Reset Button           | Support                                                                                                                                            |
| <b>General</b>         |                                                                                                                                                    |
| Language               | English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English |
| Power Supply           | 12VDC (-15% to +25%) / PoE (802.3af)                                                                                                               |
| Power Consumption      | Typical: 4.2 W (12 VDC) / approx. 5.3 W (PoE)<br>Max. (IR on + Red/Blue light + Speaker): 8.9 W (12VDC) / approx. 11.2 W (PoE)                     |
| Operating Temperature  | -40°C to 60°C (-40°F to 140°F )                                                                                                                    |
| Operating Humidity     | Less than 90% 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 body, Decoration ring: plastic                                                                                                      |
| Dimensions             | Φ140 × 119.2 mm (φ5.51 × 4.69 inch)                                                                                                                |
| Net Weight             | 0.93 kg (2.05 lb)                                                                                                                                  |

Dimensions (mm)



Accessories

Optional:



SN-CBK645G  
Junction Box



SN-CBK206  
Pendant Cap



SN-CBK402  
Ceiling Mount



SN-CBK501  
Wall Mount



SN-CBK502  
Wall Mount



SN-CBK101  
Pole Mount



SN-CBK102  
Corner Mount