



# SN-IPR5321MBBS(-S)-Z

2MP Smart Dual Illumination Turret Network Camera



## Key Features

- 1/3" progressive scan CMOS
- Max. 2MP(1920×1080) @25/30fps resolution
- 2.7 to 13.5 mm motorized lens
- DWDR, 3D DNR, ROI, HLC, BLC, Defog
- Support human and vehicle detection
- Intelligent analysis: intrusion, single / double line crossing, loitering, wrong-way detection, illegal parking, smart motion detection, and people counting
- Built-in IR and warm lights, Smart illumination distance up to 30m
- Built-in mic (with -S: supports speaker)
- Built-in micro SD card slot (up to 1TB)
- IP66



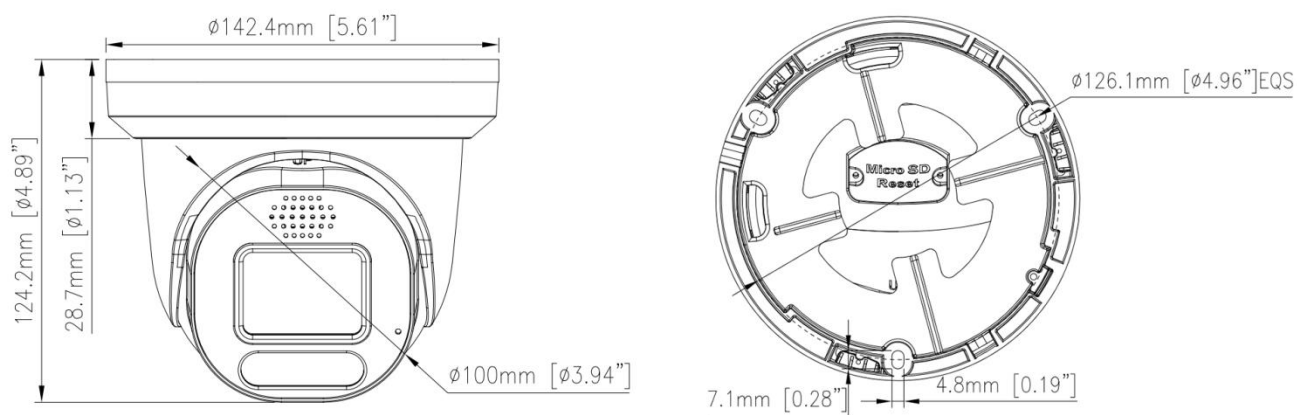
## Specification

| Camera                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                                                                                                                                                                                                                                                               | 1/3" Progressive Scan CMOS                                                                                                                                                                          |
| Max. Resolution                                                                                                                                                                                                                                                            | 2MP, 1920(H) × 1080(V)                                                                                                                                                                              |
| Electronic Shutter                                                                                                                                                                                                                                                         | Auto/Manual, 1/5 to 1/20,000s                                                                                                                                                                       |
| Min. illumination                                                                                                                                                                                                                                                          | Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR                                                                                                                                                |
| Day & Night                                                                                                                                                                                                                                                                | IR cut filter                                                                                                                                                                                       |
| Wide Dynamic Range                                                                                                                                                                                                                                                         | DWDR                                                                                                                                                                                                |
| Angle Adjustment                                                                                                                                                                                                                                                           | Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°                                                                                                                                              |
| 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: 91.3° to 29°, V: 49.1° to 16.2°                                                                                                                                                                  |
| DORI Distance                                                                                                                                                                                                                                                              |                                                                                                                                                                                                     |
| Detect                                                                                                                                                                                                                                                                     | 52 to 152 m (157.5 to 459.3 ft)                                                                                                                                                                     |
| Observe                                                                                                                                                                                                                                                                    | 20.8 to 60.8 m (63 to 183.7 ft)                                                                                                                                                                     |
| Recognize                                                                                                                                                                                                                                                                  | 10.4 to 30.4 m (31.5 to 91.9 ft)                                                                                                                                                                    |
| Identify                                                                                                                                                                                                                                                                   | 5.2 to 15.2 m (24.0 to 45.9 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, 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 On/Off Control                                                                                                                                                                                                                                                | IR mode, White mode, Intelligent mode, None                                                                                                                                                         |
| IR wavelength                                                                                                                                                                                                                                                              | 850 nm                                                                                                                                                                                              |
| Intelligent Analytics                                                                                                                                                                                                                                                      |                                                                                                                                                                                                     |
| Multi-Object Detection                                                                                                                                                                                                                                                     | Supports human/vehicle detection.<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.<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: 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                                                        |
| Region of Interest     | Off/On (8 areas, Rectangle)                                                                                                                       |
| Smart Encode           | Support                                                                                                                                           |
| 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, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection                                                |
| Events Actions         | Alarm record, FTP upload, SMTP upload, White light alarm output, Audible alarm output (with -S).                                                  |
| <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 | 4 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                                                                                                                                            |
| Built-in Microphone   | Support                                                                                                                                                                               |
| Built-in Speaker      | With -S: Support                                                                                                                                                                      |
| 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 (-15% to +25%)/PoE (802.3af)                                                                                                                                                   |
| Power Consumption     | Typical: 1.5 W (12 VDC) / approx. 1.9 W (PoE)<br>Max (Light on + Focus): 4.4 W (12 VDC) / approx. 5.5 W (PoE)<br>Max (Light on + Focus + Speaker): 6 W (12 VDC) / approx. 7.5 W (PoE) |
| Operating Temperature | -25°C to 55°C (-13°F to 131°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                                                                                                                                                                   |
| Dimensions            | φ 142.4 × 124.2 mm ( φ 5.61 × 4.89 inch)                                                                                                                                              |
| Net Weight            | 0.74 kg (1.63 lb)                                                                                                                                                                     |

## Dimensions (mm)



## Accessories

Optional:



SN-CBK645D  
Junction Box



SN-CBK206  
Pendant Cap



SN-CBK402  
Pendant Mount



SN-CBK501  
Wall Mount



SN-CBK502  
Wall Mount



SN-CBK101  
Pole Mount



SN-CBK102  
Corner Mount