

## 2MP Intelligent VF IR Dome Network Camera

### IPC3232SB-ADZKM-I1



## Features

- High quality image with 2 MP, 1/2.8" CMOS sensor
- 1080P (1920 × 1080)@30/25 fps; 720P (1280 × 720)@30/25 fps
- Ultra 265, H.265, H.264, MJPEG
- Supports Wise-ISP technology, deeply optimizing color, detail, and smear effects in extremely low-light scenes
- Smart intrusion prevention, including cross line, intrusion, enter area, leave area detection
- Intelligent intrusion prevention system based on target classification significantly reduces false alarms caused by leaves, birds, and lights, accurately focusing on humans, vehicles, and non-motor vehicles
- Support ultra motion detection
- Intelligent people flow counting and crowd density monitoring
- 120 dB true WDR technology enables clear image in strong light scene
- Supports 9:16 corridor mode
- Built-in mic
- Smart IR, up to 40 m (131.2 ft) IR distance
- Alarm I/O: 1/1, audio I/O: 1/1
- MicroSD, up to 512 GB
- IP67 protection and IK10 vandal resistant

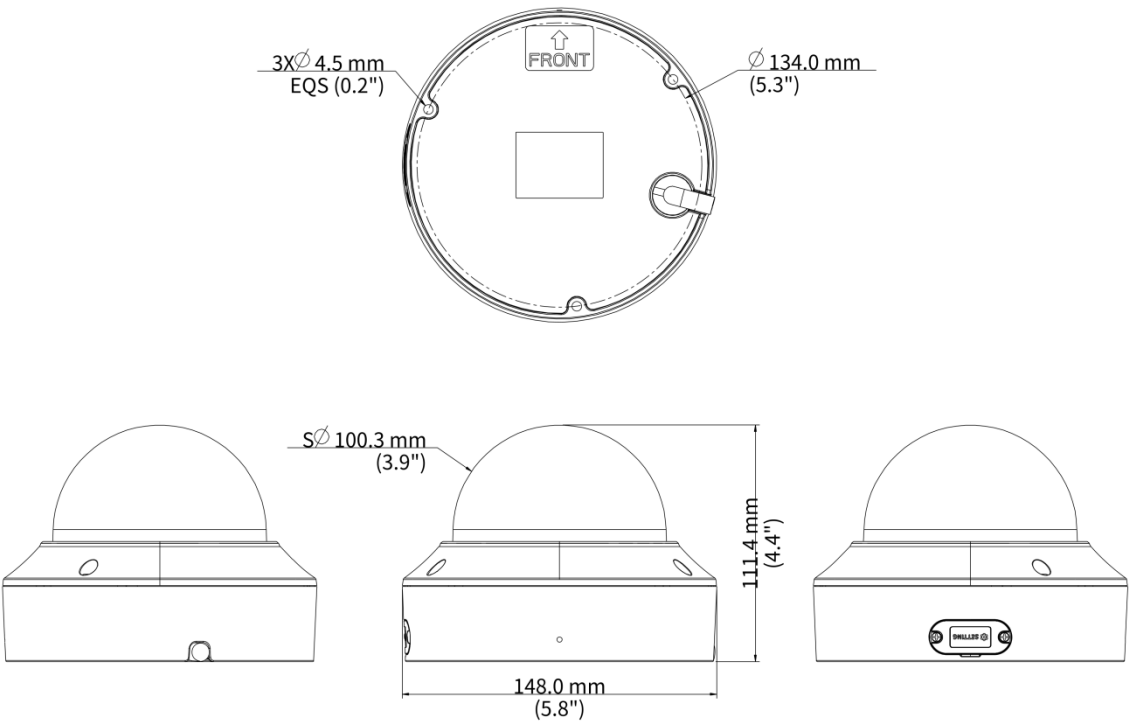
## Specifications

| Model                      | IPC3232SB-ADZKM-I1                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>              |                                                                                                                                                                                                                                                                                                                                                                                       |
| Max Resolution             | 2 MP                                                                                                                                                                                                                                                                                                                                                                                  |
| Sensor                     | 1/2.8" CMOS                                                                                                                                                                                                                                                                                                                                                                           |
| Min. Illumination          | Color: 0.001 Lux (F1.2, AGC ON), 0 Lux with IR                                                                                                                                                                                                                                                                                                                                        |
| Day/Night                  | IR-cut filter with auto switch (ICR)                                                                                                                                                                                                                                                                                                                                                  |
| Shutter                    | Auto/Manual, 1 to 1/100000 s                                                                                                                                                                                                                                                                                                                                                          |
| Adjustment Angle           | Pan: 0° to 355°, Tilt: 0° to 80°, Rotate: 0° to 355°                                                                                                                                                                                                                                                                                                                                  |
| S/N                        | > 52 dB                                                                                                                                                                                                                                                                                                                                                                               |
| WDR                        | 120 dB                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Lens</b>                |                                                                                                                                                                                                                                                                                                                                                                                       |
| Focal Length               | 2.7 to 13.5 mm                                                                                                                                                                                                                                                                                                                                                                        |
| Iris                       | F1.2                                                                                                                                                                                                                                                                                                                                                                                  |
| Field of View (H)          | 112.0° to 33.0°                                                                                                                                                                                                                                                                                                                                                                       |
| Field of View (V)          | 59.4° to 19.0°                                                                                                                                                                                                                                                                                                                                                                        |
| Field of View (D)          | 130.0° to 38.1°                                                                                                                                                                                                                                                                                                                                                                       |
| Lens Type                  | Motorized                                                                                                                                                                                                                                                                                                                                                                             |
| Iris Type                  | Fixed                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>DORI</b>                |                                                                                                                                                                                                                                                                                                                                                                                       |
| DORI Distance (Lens)       | 2.7 to 13.5 mm                                                                                                                                                                                                                                                                                                                                                                        |
| DORI Distance (Detect)     | 41.9 m to 209.5 m (137.4 ft. to 687.1 ft.)                                                                                                                                                                                                                                                                                                                                            |
| DORI Distance (Observe)    | 16.8 m to 83.8 m (55.0 ft. to 274.8 ft.)                                                                                                                                                                                                                                                                                                                                              |
| DORI Distance (Recognize)  | 8.4 m to 41.9 m (27.5 ft. to 137.4 ft.)                                                                                                                                                                                                                                                                                                                                               |
| DORI Distance (Identify)   | 4.2 m to 20.9 m (13.7 ft. to 68.7 ft.)                                                                                                                                                                                                                                                                                                                                                |
| <b>Illuminator</b>         |                                                                                                                                                                                                                                                                                                                                                                                       |
| Illumination Distance (IR) | 40 m (131.2 ft.)                                                                                                                                                                                                                                                                                                                                                                      |
| Wavelength                 | 850 nm                                                                                                                                                                                                                                                                                                                                                                                |
| Supplemental Light         | IR                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Video</b>               |                                                                                                                                                                                                                                                                                                                                                                                       |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                                                                                                                                                                                        |
| H.264 Code Profile         | Baseline profile, Main profile, High profile                                                                                                                                                                                                                                                                                                                                          |
| Frame Rate                 | Main Stream: 1080P (1920 × 1080), max. 30 fps; 720P (1280 × 720), max. 30 fps;<br>Sub Stream: 720P (1280 × 720), max. 30 fps; D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps;<br>2CIF (704 × 288), max. 30 fps; CIF (352 × 288), max. 30 fps;<br>Third Stream: D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; 2CIF (704 × 288), max. 30 fps; CIF (352 × 288), max. 30 fps; |
| Video Bit Rate             | 128 Kbps to 16 Mbps                                                                                                                                                                                                                                                                                                                                                                   |
| U-code                     | Support                                                                                                                                                                                                                                                                                                                                                                               |
| OSD                        | Up to 8 OSDs                                                                                                                                                                                                                                                                                                                                                                          |
| Privacy Mask               | Up to 4 areas                                                                                                                                                                                                                                                                                                                                                                         |
| ROI                        | Up to 8 areas                                                                                                                                                                                                                                                                                                                                                                         |

|                            |                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Snapshot                   | Support                                                                                                                                                                                                              |
| Video Stream               | Triple streams                                                                                                                                                                                                       |
| Image                      |                                                                                                                                                                                                                      |
| Smart IR                   | Support                                                                                                                                                                                                              |
| White Balance              | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2, Area white balance                                                                                                                                             |
| Digital Noise Reduction    | 2D/3D DNR                                                                                                                                                                                                            |
| Flip                       | Normal, Flip vertical, Flip horizontal, 180°, 90° Clockwise, 90° Anti-clockwise                                                                                                                                      |
| Dewarping                  | Support                                                                                                                                                                                                              |
| HLC                        | Support                                                                                                                                                                                                              |
| BLC                        | Support                                                                                                                                                                                                              |
| Defog                      | Digital defog                                                                                                                                                                                                        |
| Intelligent                |                                                                                                                                                                                                                      |
| Smart Intrusion Prevention | Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)                                 |
| People Counting            | Support people flow counting and crowd density detection                                                                                                                                                             |
| Statistical Analysis       | N/A                                                                                                                                                                                                                  |
| Events                     |                                                                                                                                                                                                                      |
| Basic Detection            | Motion detection, Ultra motion detection, Tampering alarm, Audio detection                                                                                                                                           |
| General Function           | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output                                                             |
| Audio                      |                                                                                                                                                                                                                      |
| Audio Compression          | G.711U, G.711A, AAC-LC                                                                                                                                                                                               |
| Audio Bitrate              | G.711U/G.711A: 64 kbps, AAC-LC: 128 kbps                                                                                                                                                                             |
| Two-way Audio              | Support                                                                                                                                                                                                              |
| Suppression                | Support                                                                                                                                                                                                              |
| Sampling Rate              | G.711U/G.711A: 8 kHz, AAC-LC: 8 kHz, 16 kHz, 48 kHz                                                                                                                                                                  |
| Storage                    |                                                                                                                                                                                                                      |
| Edge Storage               | MicroSD, up to 512 GB                                                                                                                                                                                                |
| Network Storage            | ANR, NAS (NFS)                                                                                                                                                                                                       |
| Network                    |                                                                                                                                                                                                                      |
| Protocols                  | IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SSL/TLS, 802.1x, SNMP, QoS, HTTPS, SMTP, PPPoE                                                                  |
| Compatible Integration     | ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK                                                                                                                                                         |
| Client                     | EZStation, APP                                                                                                                                                                                                       |
| Web Browser                | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+                                                                                     |
| Security                   | Password protection, Strong Password, HTTPS encryption, Export operation logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF, DTLS 1.2 |
| User/Host                  | Up to 32 users. 3 user levels: administrator, common user and operator                                                                                                                                               |
| Interface                  |                                                                                                                                                                                                                      |
| Audio I/O                  | 1 Input: impedance 35 kΩ, amplitude 2 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p]                                                                                                                        |
| Alarm I/O                  | 1/1                                                                                                                                                                                                                  |

|                      |                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Serial Port          | N/A                                                                                                                                                                                                                                                                 |
| Built-in Mic         | Support                                                                                                                                                                                                                                                             |
| Built-in Speaker     | N/A                                                                                                                                                                                                                                                                 |
| WIFI                 | N/A                                                                                                                                                                                                                                                                 |
| Network              | 1 × RJ45 10 M/100 M Base-TX Ethernet                                                                                                                                                                                                                                |
| Video Output         | N/A                                                                                                                                                                                                                                                                 |
| <b>Certification</b> |                                                                                                                                                                                                                                                                     |
| EMC                  | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130-4)<br>FCC (FCC 47 CFR part15 B)                                                                                                                                                                          |
| Safety               | CE-LVD (EN 62368-1)<br>UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)                                                                                                                                                                                               |
| Environment          | CE-RoHS (2011/65/EU ; (EU) 2015/863) ; WEEE (2012/19/EU)                                                                                                                                                                                                            |
| Protection           | IP67 (IEC 60529)<br>IK10 (IEC 62262)                                                                                                                                                                                                                                |
| <b>General</b>       |                                                                                                                                                                                                                                                                     |
| Power                | DC 12 V±25%, PoE (IEEE 802.3af)                                                                                                                                                                                                                                     |
| Power Consumption    | Max. 3.3 W                                                                                                                                                                                                                                                          |
| Power Interface      | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                          |
| Dimensions           | Ø148.0 mm × 111.4 mm (Ø5.8" × 4.4") (Ø × H)                                                                                                                                                                                                                         |
| Weight               | 0.97 kg (2.14 lb)                                                                                                                                                                                                                                                   |
| Working Environment  | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)                                                                                                                                                                                             |
| Storage Environment  | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)                                                                                                                                                                                             |
| Surge Protection     | 4 KV                                                                                                                                                                                                                                                                |
| Reset Button         | Support                                                                                                                                                                                                                                                             |
| Material             | Metal                                                                                                                                                                                                                                                               |
| Web Client Language  | 20 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese |

# Dimensions



# Accessories

|                                                                                            |                                                                                                |                                                                                       |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>TR-JB04-C-IN</b><br>Junction Box for 323 Series<br>Fix-dome(Support wiring from behind) | <b>TR-JB07/WM04-B-IN-V2</b><br>4 Inch Back Hole Hemisphere Wall<br>Mounting Assembling Bracket | <b>TR-WM04-IN-V2</b><br>4 Inch Hemisphere Wall Mounting Bracket                       |
|         |             |  |
| <b>TR-FM152-A-IN</b><br>In-ceiling Bracket for 323 Series<br>Fix-dome                      | <b>TR-A01-IN</b><br>NPT 3/4" Waterproof Cable Gland                                            | <b>TR-SM04-IN</b><br>Switch Box Adapter for 323 Series<br>Fix-dome                    |
|         |             |  |

|                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>TR-UP06-C-IN-V2</b><br>Pole Mounting Bracket for Bullet Junction<br>Box Only   | <b>TR-UC08-C-V2</b><br>Bullet&Dome Corner Mounting Bracket                        | <b>TR-SE24-IN</b><br>Dome Pendent Mounting Pole 200mm                               |
|  |  |  |
| <b>TR-SE24-A-IN</b><br>Dome Pendent Mounting Pole 500mm                           | <b>TR-CM24-IN</b><br>Dome Pendent Mounting Bracket(Indoor)                        | <b>HS-207S</b><br>Sunshade Shell for Zoom Dome                                      |
|  |  |  |

# Unlimited New View

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