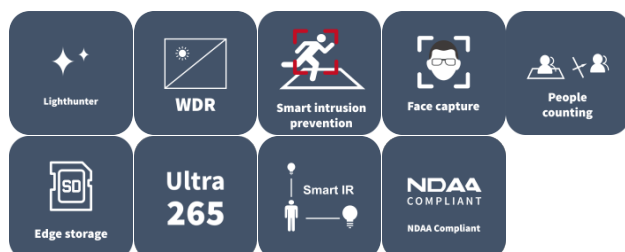


## 2MP WDR LightHunter IR Network Bullet Camera IPC2322SB-HDZK-PI-I0



## Features

- High quality image with 1080P, 1/2.8" CMOS sensor
- 1920 × 1080@60 fps in the main stream, delivers detailed live while 60 fps making it smooth and closer to the real image
- Ultra 265, H.265, H.264, MJPEG
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- automatic selection of best snapshots, supports face detection masked area
- People counting, supports people flow counting and crowd density monitoring, suitable for different statistical scenarios
- LightHunter product technology ensures ultra-high image quality in low illumination environment
- Supports 9:16 corridor mode
- Up to 120 dB optical WDR (wide dynamic range)
- DC 12 V, PoE (IEEE 802.3af) power supply
- Wide voltage range of  $\pm 25\%$  in DC
- Alarm I/O: 1/1, audio I/O: 1/1

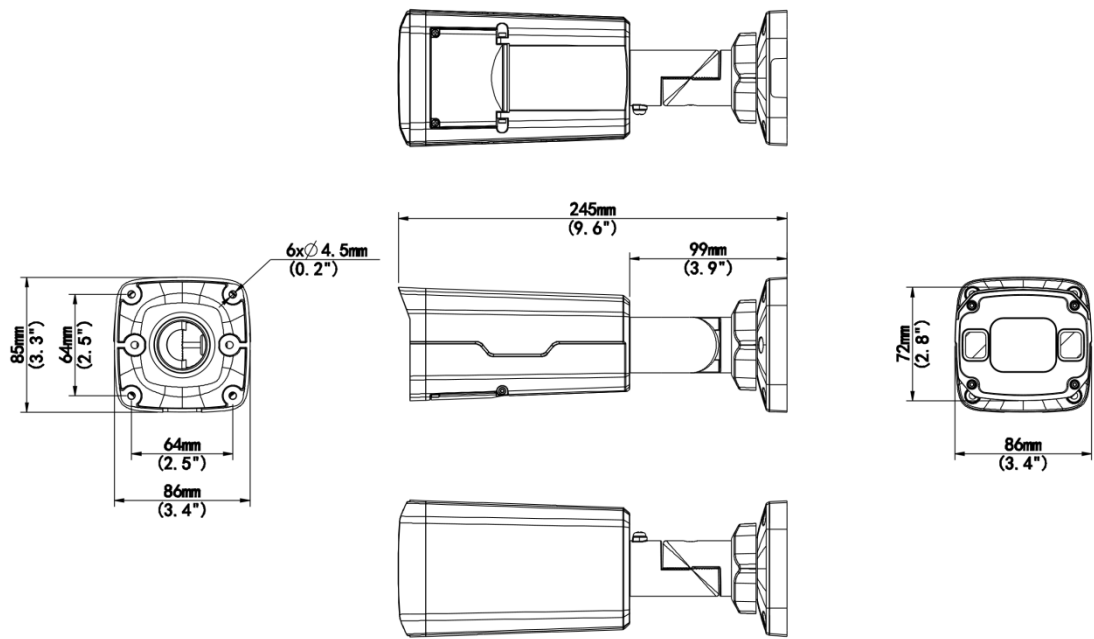
## Specifications

| Model                      | IPC2322SB-HDZK-PI-IO                                                                                                                         |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                     |                                                                                                                                              |
| Sensor                     | 1/2.8" CMOS                                                                                                                                  |
| Min. Illumination          | Color: 0.001 Lux (F1.4, AGC ON), 0 Lux with IR                                                                                               |
| Day/Night                  | IR-cut filter with auto switch (ICR)                                                                                                         |
| Shutter                    | Auto/Manual, 1 to 1/100000 s                                                                                                                 |
| WDR                        | 120 dB                                                                                                                                       |
| Adjustment Angle           | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°                                                                                         |
| S/N                        | >52 dB                                                                                                                                       |
| Lens                       |                                                                                                                                              |
| Focal Length               | 2.8 to 12 mm                                                                                                                                 |
| Digital Zoom               | 16X                                                                                                                                          |
| Optical Zoom               | 4X                                                                                                                                           |
| Iris                       | F1.4                                                                                                                                         |
| Field of View (H)          | 96.6° to 32.4°                                                                                                                               |
| Field of View (V)          | 53.1° to 18.6°                                                                                                                               |
| Field of View (D)          | 112.8° to 37.2°                                                                                                                              |
| Iris Type                  | P-iris                                                                                                                                       |
| DORI                       |                                                                                                                                              |
| DORI Distance (Lens)       | 2.8 to 12 mm                                                                                                                                 |
| DORI Distance (Detect)     | 43.4 m to 186.2 m (142.4 ft. to 610.9 ft.)                                                                                                   |
| DORI Distance (Observe)    | 17.4 m to 74.5 m (57.1 ft. to 244.4 ft.)                                                                                                     |
| DORI Distance (Recognize)  | 8.7 m to 37.2 m (28.5 ft. to 122.1 ft.)                                                                                                      |
| DORI Distance (Identify)   | 4.3 m to 18.6 m (14.1 ft. to 61.0 ft.)                                                                                                       |
| Video                      |                                                                                                                                              |
| Frame Rate                 | Main Stream: 1080P (1920 × 1080), max. 60 fps;<br>Sub Stream: 1080P (1920 × 1080), max. 60 fps;<br>Third Stream: D1 (720 × 576), max. 60 fps |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                                                                                                               |
| Video Bit Rate             | 128 Kbps to 16 Mbps                                                                                                                          |
| U-code                     | Support                                                                                                                                      |
| ROI                        | Support                                                                                                                                      |
| Video Stream               | Triple streams                                                                                                                               |
| Privacy Mask               | Up to 4 areas                                                                                                                                |
| OSD                        | Up to 10 OSDs                                                                                                                                |
| Frame Rate-Main Stream     | 1080P (1920 × 1080), max. 60 fps                                                                                                             |
| Frame Rate-Sub Stream      | 1080P (1920 × 1080), max. 60 fps                                                                                                             |
| Frame Rate-Third Stream    | D1 (720 × 576), max. 60 fps                                                                                                                  |
| Intelligent                |                                                                                                                                              |
| Exception Detection        | Object removed, Object Left Behind, Scene change                                                                                             |
| 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                                                                                                                                                            |
| Image                        |                                                                                                                                                                                                                     |
| White Balance                | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2                                                                                                                                                                |
| Digital Noise Reduction      | 2D/3D DNR                                                                                                                                                                                                           |
| Flip                         | Normal, Flip vertical, Flip horizontal, 180°, 90° Clockwise, 90° Anti-clockwise                                                                                                                                     |
| HLC                          | Support                                                                                                                                                                                                             |
| BLC                          | Support                                                                                                                                                                                                             |
| Smart IR                     | Support                                                                                                                                                                                                             |
| Defog                        | Digital defog                                                                                                                                                                                                       |
| Heatwave Reduction           | N/A                                                                                                                                                                                                                 |
| Events                       |                                                                                                                                                                                                                     |
| Basic Detection              | Motion detection, Tampering alarm, Audio detection, Object removed, Object Left Behind, Scene change                                                                                                                |
| General Function             | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output                                                            |
| UMD (Ultra Motion Detection) | Support                                                                                                                                                                                                             |
| Audio                        |                                                                                                                                                                                                                     |
| Audio Compression            | G.711U, G.711A, AAC-LC                                                                                                                                                                                              |
| Audio Bitrate                | 128 Kbps                                                                                                                                                                                                            |
| Two-way Audio                | Support                                                                                                                                                                                                             |
| Suppression                  | Support                                                                                                                                                                                                             |
| Sampling Rate                | 16KHZ                                                                                                                                                                                                               |
| Storage                      |                                                                                                                                                                                                                     |
| Edge Storage                 | MicroSD, up to 512 GB                                                                                                                                                                                               |
| Network Storage              | ANR, NAS (NFS)                                                                                                                                                                                                      |
| Network                      |                                                                                                                                                                                                                     |
| Protocols                    | SSH, IGMP, RTP, RTCP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS                                                            |
| Compatible Integration       | ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK                                                                                                                                                        |
| User/Host                    | Up to 32 users. 3 user levels: administrator, common user and operator                                                                                                                                              |
| Security                     | TLS 1.3, 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 |
| Client                       | EZStation, UNV-Link, UNV-Link Pro                                                                                                                                                                                   |
| 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+                                                                                    |
| Illuminator                  |                                                                                                                                                                                                                     |
| Illumination Distance (IR)   | 50 m (164.0 ft.)                                                                                                                                                                                                    |
| IR On/Off Control            | Auto/Manual                                                                                                                                                                                                         |
| Wavelength                   | 850 nm                                                                                                                                                                                                              |
| Interface                    |                                                                                                                                                                                                                     |
| Audio I/O                    | 1 Input: impedance 1 kΩ, amplitude 2.5 V [p-p], 1 Output: impedance 600 Ω, amplitude 2.5 V [p-p]                                                                                                                    |

|                     |                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm I/O           | 1/1                                                                                                                                                                                                                                                                                 |
| Network             | 1 × RJ45 10 M/100 M Base-TX Ethernet                                                                                                                                                                                                                                                |
| Video Output        | 1 BNC (for debugging)                                                                                                                                                                                                                                                               |
| Certification       |                                                                                                                                                                                                                                                                                     |
| EMC                 | CE-EMC (EN 55032: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 55035: 2017+A11:2020)<br>FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)                                                                                                                |
| Safety              | CE LVD (EN 62368-1:2014+A11:2017)<br>UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)                                                                                                                                                                                               |
| Environment         | CE-RoHS (2011/65/EU; (EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)                                                                                                                                                                                         |
| Protection          | IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013)<br>IK10 (IEC 62262:2002)                                                                                                                                                                                                                  |
| General             |                                                                                                                                                                                                                                                                                     |
| Power               | DC 12 V (±25%), PoE (IEEE 802.3af)                                                                                                                                                                                                                                                  |
| Power Consumption   | Max. 8 W                                                                                                                                                                                                                                                                            |
| Power Interface     | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                                          |
| Dimensions          | 245 mm × 86 mm × 85 mm (9.6" × 3.4" × 3.4") (L × W × H)                                                                                                                                                                                                                             |
| Weight              | 0.92 kg (2.03 lb.)                                                                                                                                                                                                                                                                  |
| Working Environment | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)                                                                                                                                                                                                             |
| Storage Environment | -40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 95% RH (non-condensing)                                                                                                                                                                                                             |
| Surge Protection    | 6 KV                                                                                                                                                                                                                                                                                |
| Web Client Language | 22 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, Arabic, Slovak |
| Configurable        |                                                                                                                                                                                                                                                                                     |
| P/N                 | Support                                                                                                                                                                                                                                                                             |

# Dimensions



# Accessories

|                                                                              |                                                     |                                                     |
|------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| <b>TR-JB07-D-IN</b><br>Bullet Junction Box(Support wiring from behind)       | <b>TR-UP06-B-IN</b><br>Bullet Pole Mounting Bracket | <b>TR-A01-IN</b><br>NPT 3/4" Waterproof Cable Gland |
|                                                                              |                                                     |                                                     |
| <b>TR-UP06-C-IN-V2</b><br>Pole Mounting Bracket for Bullet Junction Box Only |                                                     |                                                     |
|                                                                              |                                                     |                                                     |

# Unlimited New View

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