

# 4MP HD Intelligent LightHunter IR VF Bullet Network Camera IPC2B24SS-ADZK-I1



## Features

- High quality image with 4 MP, 1/3.0" CMOS sensor
- 4 MP (2688 × 1520)@30/25 fps; 4 MP (2560 × 1440)@30/25 fps; 3 MP (2304 × 1296)@30/25 fps; 1080P (1920 × 1080)@30/25 fps
- Ultra 265, H.265, H.264, MJPEG
- 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
- Intelligent people flow counting and crowd density monitoring
- ASM (auto scene match)
- LightHunter technology ensures ultra-high image quality in low illumination environment
- 130 dB true WDR technology enables clear image in strong light scene
- Supports 9:16 corridor mode
- Alarm I/O: 1/1, audio I/O: 1/1, built-in mic
- Smart IR, up to 60 m (196.9 ft) IR distance
- MicroSD, up to 512 GB
- IK10 vandal resistant and IP67 protection

## Specifications

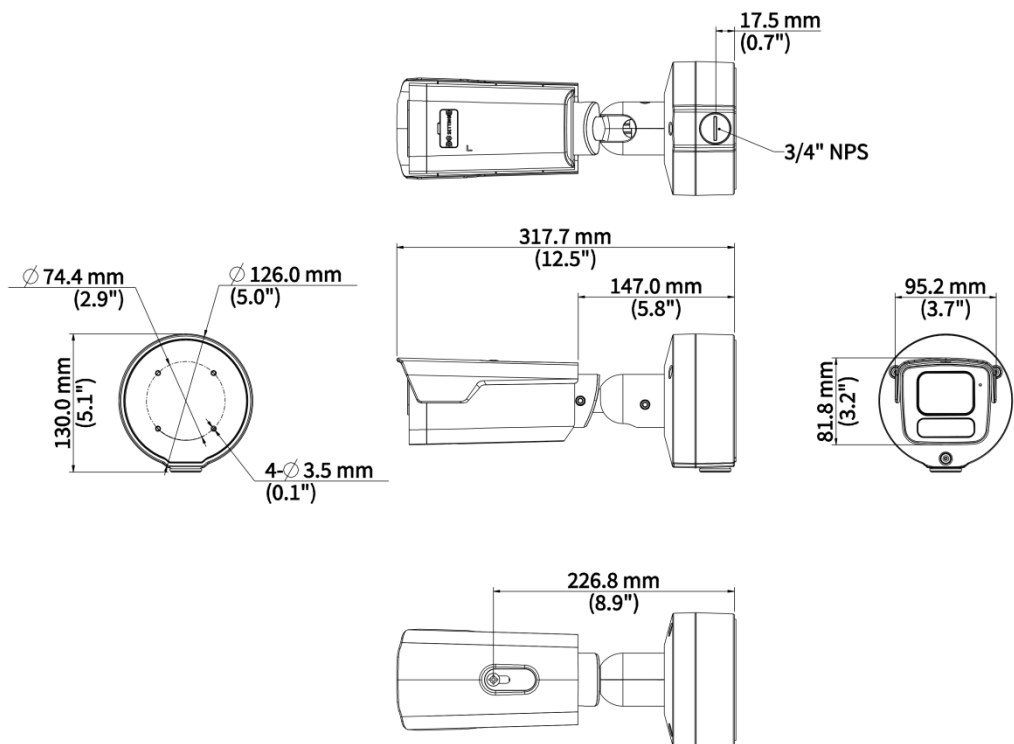
|        |                   |
|--------|-------------------|
| Model  | IPC2B24SS-ADZK-I1 |
| Camera |                   |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max Resolution             | 4 MP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sensor                     | 1/3"CMOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Min. Illumination          | Color: 0.002 Lux (F1.2, AGC ON), 0 Lux with IR on                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Day/Night                  | IR-cut filter with auto switch (ICR)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Shutter                    | Auto/Manual, 1 ~ 1/100000s                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Adjustment Angle           | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| S/N                        | >56 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| WDR                        | 130 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Lens                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Focal Length               | 2.7 to 13.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Iris Type                  | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Iris                       | F1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Field of View (H)          | 103.8° to 29.7°                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Field of View (V)          | 56.7° to 16.7°                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Field of View (D)          | 108.3° to 33.7°                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Lens Type                  | Motorized                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DORI                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DORI Distance (Lens)       | 2.7 to 13.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DORI Distance (Detect)     | 60.8 m to 303.8 m (199.5 ft. to 996.7 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DORI Distance (Observe)    | 24.3 m to 121.5 m (79.7 ft. to 398.6 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DORI Distance (Recognize)  | 12.2 m to 60.8 m (40.0 ft. to 199.5 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DORI Distance (Identify)   | 6.1 m to 30.4 m (20.0 ft. to 99.7 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Illuminator                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Supplemental Light         | IR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Illumination Distance (IR) | 60 m (196.9 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| IR On/Off Control          | Auto/Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Wavelength                 | 850 nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Video                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| H.264 Code Profile         | Baseline profile, Main profile, High profile                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Frame Rate                 | Main Stream: 4 MP (2688 × 1520), max. 30 fps; 4 MP (2560 × 1440), max. 30 fps; 3 MP (2304 × 1296), max. 30 fps; 1080P (1920 × 1080), max. 30 fps;<br>Sub Stream: 1080P (1920 × 1080), max. 30 fps; 720P (1280 × 720), max. 30 fps; D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; 2CIF (704 × 288), max. 30 fps; CIF (352 × 288), max. 30 fps; 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                        | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Video Stream               | Triple streams                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Image                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                            |                                                                                                                                                                                                            |
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| Auto Scene Match (ASM)     | Support (only WDR)                                                                                                                                                                                         |
| White Balance              | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2                                                                                                                                                       |
| Digital Noise Reduction    | 2D/3D DNR                                                                                                                                                                                                  |
| Smart IR                   | Support                                                                                                                                                                                                    |
| Flip                       | Normal, Flip vertical, Flip horizontal, 180°, 90° Clockwise, 90° Anti-clockwise                                                                                                                            |
| Dewarping                  | N/A                                                                                                                                                                                                        |
| HLC                        | Support                                                                                                                                                                                                    |
| BLC                        | Support                                                                                                                                                                                                    |
| Defog                      | Digital defog                                                                                                                                                                                              |
| <b>Intelligent</b>         |                                                                                                                                                                                                            |
| 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)                       |
| Statistical Analysis       | N/A                                                                                                                                                                                                        |
| People Counting            | Support people flow counting and crowd density monitoring                                                                                                                                                  |
| Attribute Collection       | SIP with color retrieval                                                                                                                                                                                   |
| <b>Events</b>              |                                                                                                                                                                                                            |
| Basic Detection            | Motion detection, Ultra motion detection, Tampering alarm, Audio detection, Object removed, Object Left Behind                                                                                             |
| General Function           | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output                                                   |
| <b>Audio</b>               |                                                                                                                                                                                                            |
| Audio Compression          | G.711U, G.711A                                                                                                                                                                                             |
| Audio Bitrate              | 64 Kbps                                                                                                                                                                                                    |
| Two-way Audio              | Support                                                                                                                                                                                                    |
| Suppression                | Support                                                                                                                                                                                                    |
| Sampling Rate              | 8 kHz                                                                                                                                                                                                      |
| <b>Storage</b>             |                                                                                                                                                                                                            |
| Edge Storage               | MicroSD, up to 512 GB                                                                                                                                                                                      |
| Network Storage            | ANR, NAS (NFS)                                                                                                                                                                                             |
| <b>Network</b>             |                                                                                                                                                                                                            |
| Protocols                  | IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, SSL/TLS, SSH                                                   |
| Compatible Integration     | ONVIF (Profile S, Profile G, Profile T), API, SDK                                                                                                                                                          |
| User/Host                  | Up to 32 users. 3 user levels: administrator, common user and operator                                                                                                                                     |
| 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 |
| Client                     | UNV-Link, UNV-Link Pro, EZStation                                                                                                                                                                          |
| 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+                                                                           |
| <b>Interface</b>           |                                                                                                                                                                                                            |
| 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)<br>FCC (FCC 47 CFR part15 B)                                                                                                                                                                            |
| Safety               | CE-LVD (EN 62368-1)<br>CB (IEC 62368-1)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. 9.5 W                                                                                                                                                                                                                                                          |
| Power Interface      | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                          |
| Dimensions           | 324 mm × 126 mm × 130 mm (12.8" × 5.0" × 5.1") (L × W × H)                                                                                                                                                                                                          |
| Weight               | 1.48 kg (3.26 lb.)                                                                                                                                                                                                                                                  |
| Material             | Metal + Plastic                                                                                                                                                                                                                                                     |
| 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     | 6 KV                                                                                                                                                                                                                                                                |
| Reset Button         | Support                                                                                                                                                                                                                                                             |
| 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

### TR-UC08-C

Bullet&Dome Corner Mounting Bracket



### TR-UP06-C-IN

Pole Mounting Bracket for Bullet Junction  
Box Only



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