

## 2MP HD Intelligent LightHunter IR Fixed Bullet Network Camera IPC2B12SS-ADF28(40)K-I1



## Features

- High quality image with 1080P, 1/2.8" CMOS sensor
- 1080P (1920 × 1080)@60/50/30/25 (default) fps; 720P (1280 × 720)@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
- Smart intrusion prevention with color retrieval
- 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 80 m (262.5 ft) IR distance
- MicroSD, up to 512 GB
- IP67 protection

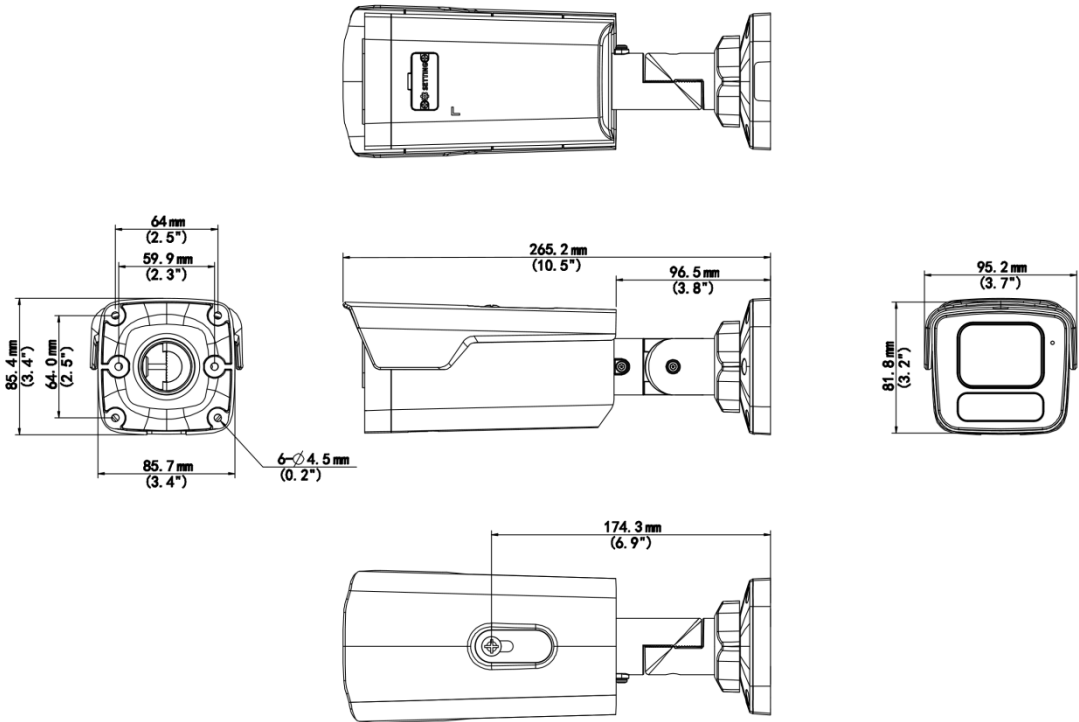
## Specifications

| Model                      | IPC2B12SS-ADF28K-I1                                                                                                                                                                                                                                                                                                                                                                 |                    | IPC2B12SS-ADF40K-I1 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|
| Camera                     |                                                                                                                                                                                                                                                                                                                                                                                     |                    |                     |
| Max Resolution             | 2 MP                                                                                                                                                                                                                                                                                                                                                                                |                    |                     |
| Sensor                     | 1/2.8" CMOS                                                                                                                                                                                                                                                                                                                                                                         |                    |                     |
| Min. Illumination          | Color: 0.001 Lux (F1.6, AGC ON), 0 Lux with IR                                                                                                                                                                                                                                                                                                                                      |                    |                     |
| 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                        | >52 dB                                                                                                                                                                                                                                                                                                                                                                              |                    |                     |
| WDR                        | 130 dB                                                                                                                                                                                                                                                                                                                                                                              |                    |                     |
| Lens                       |                                                                                                                                                                                                                                                                                                                                                                                     |                    |                     |
| Focal Length               | 2.8 mm                                                                                                                                                                                                                                                                                                                                                                              | 4.0 mm             |                     |
| Iris Type                  | Fixed                                                                                                                                                                                                                                                                                                                                                                               |                    |                     |
| Iris                       | F1.6                                                                                                                                                                                                                                                                                                                                                                                |                    |                     |
| Field of View (H)          | 100.15°                                                                                                                                                                                                                                                                                                                                                                             | 87.5°              |                     |
| Field of View (V)          | 54.5°                                                                                                                                                                                                                                                                                                                                                                               | 46.3°              |                     |
| Field of View (D)          | 104.92°                                                                                                                                                                                                                                                                                                                                                                             | 92.4°              |                     |
| DORI                       |                                                                                                                                                                                                                                                                                                                                                                                     |                    |                     |
| DORI Distance (Lens)       | 2.8 mm                                                                                                                                                                                                                                                                                                                                                                              | 4 mm               |                     |
| DORI Distance (Detect)     | 43.4 m (142.4 ft.)                                                                                                                                                                                                                                                                                                                                                                  | 62.1 m (203.7 ft.) |                     |
| DORI Distance (Observe)    | 17.4 m (57.1 ft.)                                                                                                                                                                                                                                                                                                                                                                   | 24.8 m (81.4 ft.)  |                     |
| DORI Distance (Recognize)  | 8.7 m (28.5 ft.)                                                                                                                                                                                                                                                                                                                                                                    | 12.4 m (40.7 ft.)  |                     |
| DORI Distance (Identify)   | 4.3 m (14.1 ft.)                                                                                                                                                                                                                                                                                                                                                                    | 6.2 m (20.3 ft.)   |                     |
| Illuminator                |                                                                                                                                                                                                                                                                                                                                                                                     |                    |                     |
| Supplemental Light         | IR                                                                                                                                                                                                                                                                                                                                                                                  |                    |                     |
| Illumination Distance (IR) | 80 m (262.5 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: 1080P (1920 × 1080), max. 60 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                        | Support                                                                                                                                                                                                                                                                                                                                                                             |                    |                     |

|                            |                                                                                                                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Stream               | Triple streams                                                                                                                                                                                             |
| Image                      |                                                                                                                                                                                                            |
| 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                                                                                                                                                                                              |
| 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)                       |
| Statistical Analysis       | N/A                                                                                                                                                                                                        |
| People Counting            | Support people flow counting and crowd density monitoring                                                                                                                                                  |
| Attribute Collection       | SIP with color retrieval                                                                                                                                                                                   |
| Events                     |                                                                                                                                                                                                            |
| 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                                                   |
| Audio                      |                                                                                                                                                                                                            |
| Audio Compression          | G.711U, G.711A                                                                                                                                                                                             |
| Audio Bitrate              | 64 Kbps                                                                                                                                                                                                    |
| Two-way Audio              | Support                                                                                                                                                                                                    |
| Suppression                | Support                                                                                                                                                                                                    |
| Sampling Rate              | 8 kHz                                                                                                                                                                                                      |
| Storage                    |                                                                                                                                                                                                            |
| Edge Storage               | MicroSD, up to 512 GB                                                                                                                                                                                      |
| Network Storage            | ANR, NAS (NFS)                                                                                                                                                                                             |
| Network                    |                                                                                                                                                                                                            |
| 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     | API, SDK, ONVIF (Profile S, Profile G, Profile T, Profile M)                                                                                                                                               |
| 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                     | 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+                                                                           |
| 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)<br>FCC (FCC 47 CFR part15 B)                                                                                                                                                                            |
| Safety               | CE-LVD (EN 62368-1)<br>CB (IEC 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)                                                                                                                                                                                                                                                    |
| <b>General</b>       |                                                                                                                                                                                                                                                                     |
| Power                | DC 12 V±25%, PoE (IEEE 802.3af)                                                                                                                                                                                                                                     |
| Power Consumption    | Max. 10.0 W                                                                                                                                                                                                                                                         |
| Power Interface      | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                          |
| Dimensions           | 269 mm × 96 mm × 82 mm (10.6" × 3.8" × 3.2") (L × W × H)                                                                                                                                                                                                            |
| Weight               | 0.84 kg (1.85 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     | 4 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-JB07-D-IN-V2

Bullet Junction Box(Support wiring from behind)



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



## TR-JB06-A-IN

Middle Bullet Junction Box(Elegant White)



TR-UP06-C-IN-V2

Pole Mounting Bracket for Bullet Junction Box Only



## TR-UP06-B-IN

Bullet Pole Mounting Bracket



TR-UC08-C-V2

Bullet&Dome Corner Mounting Bracket



# Unlimited New View

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