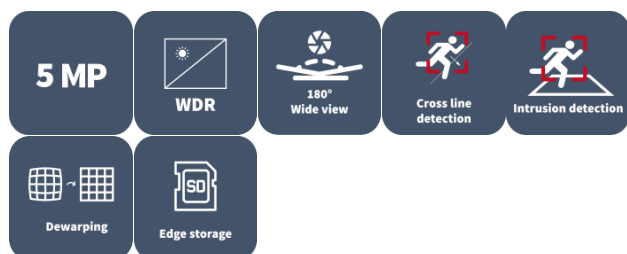


## 5MP HD Wide Angle Intelligent IR Fixed Bullet Network Camera IPC2105SB-ADF16KM-IO



## Features

- High quality image with 5 MP, 1/2.7" CMOS sensor
- 5 MP (2880 × 1620)@30/25 fps; 4 MP (2560 × 1440)@30/25 fps; 3 MP (2304 × 1296)@30/25 fps; 1080P (1920 × 1080)@30/25 fps
- Wide angle technology realizes the horizontal viewing angle of 180°
- The dewarp level can be configured in the range of 1 to 9
- 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
- 120 dB true WDR technology enables clear image in strong light scene
- Built-in mic
- Smart IR, up to 20 m (65.6 ft.) IR distance
- MicroSD, up to 512 GB
- DC 12 V, PoE (IEEE 802.3af) power supply
- IP67 protection
- 3-axis

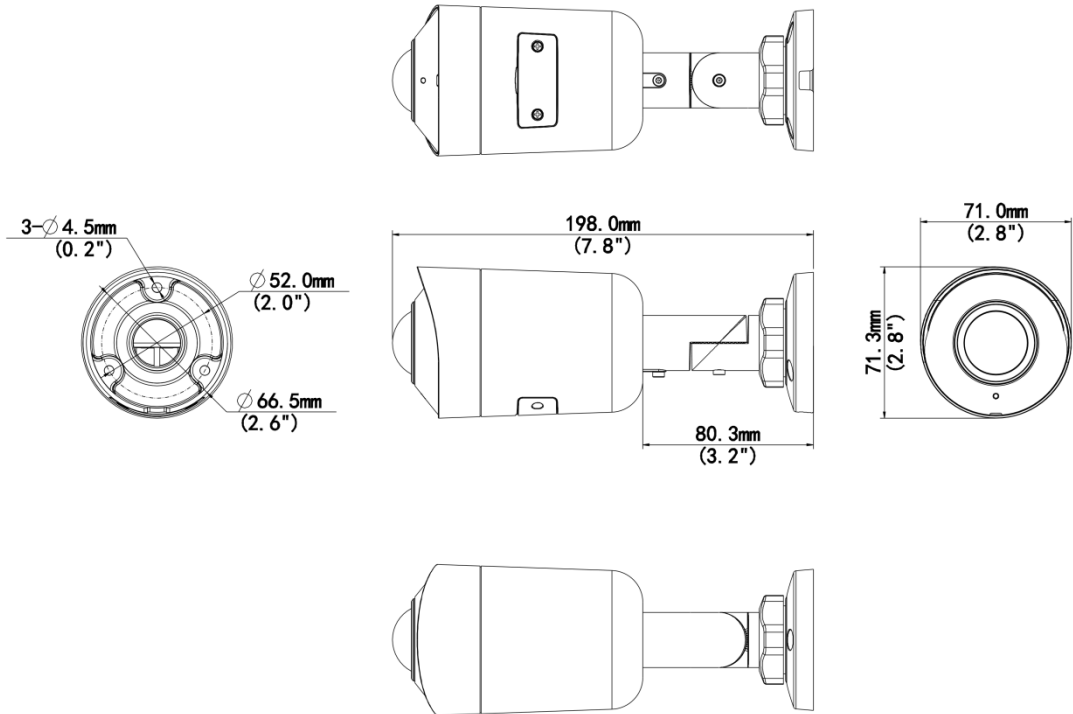
## Specifications

| Model                      | IPC2105SB-ADF16KM-IO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Max Resolution             | 5 MP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sensor                     | 1/2.7" CMOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Min. Illumination          | Color: 0.01 Lux (F2.0, 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                        | >52 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| WDR                        | 120 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Lens</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Focal Length               | 1.68 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Iris Type                  | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Iris                       | F2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Field of View (H)          | 180°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Field of View (V)          | 100°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Field of View (D)          | 180°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>DORI</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DORI Distance (Lens)       | 1.68 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DORI Distance (Detect)     | 37.8 m (124.0 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DORI Distance (Observe)    | 15.1 m (49.6 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DORI Distance (Recognize)  | 7.6 m (24.9 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DORI Distance (Identify)   | 3.8 m (12.5 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Illuminator</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Supplemental Light         | IR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Illumination Distance (IR) | 20 m (65.6 ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| IR On/Off Control          | Auto/Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Wavelength                 | 850 nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Video</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| H.264 Code Profile         | Baseline profile, Main profile, High profile                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Frame Rate                 | Main Stream: 5 MP (2880 × 1620), max. 30 fps; 4 MP (2560 × 1440), max. 30 fps; 3 MP (2304 × 1296), max. 30 fps; 1080P (1920 × 1080), max. 30 fps; 1280 × 720 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;<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                            |                                                                                                                                                                                                            |
| White Balance                    | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2                                                                                                                                                       |
| Smart IR                         | Support                                                                                                                                                                                                    |
| Digital Noise Reduction          | 2D/3D DNR                                                                                                                                                                                                  |
| Flip                             | Normal, Flip vertical, Flip horizontal, 180°                                                                                                                                                               |
| Dewarping                        | Support                                                                                                                                                                                                    |
| HLC                              | Support                                                                                                                                                                                                    |
| BLC                              | Support                                                                                                                                                                                                    |
| Defog                            | Digital defog                                                                                                                                                                                              |
| Image Stabilization              | N/A                                                                                                                                                                                                        |
| Low Illumination Characteristics | Low-light                                                                                                                                                                                                  |
| 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)                       |
| Events                           |                                                                                                                                                                                                            |
| Basic Detection                  | Motion detection, Ultra motion detection, Tampering alarm, Audio detection                                                                                                                                 |
| General Function                 | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication                                                                              |
| Audio                            |                                                                                                                                                                                                            |
| Audio Compression                | G.711U, G.711A                                                                                                                                                                                             |
| Audio Bitrate                    | 64 Kbps                                                                                                                                                                                                    |
| Two-way Audio                    | N/A                                                                                                                                                                                                        |
| Suppression                      | Support                                                                                                                                                                                                    |
| Sampling Rate                    | 8 kHz                                                                                                                                                                                                      |
| Storage                          |                                                                                                                                                                                                            |
| Edge Storage                     | MicroSD, up to 512 GB                                                                                                                                                                                      |
| Network Storage                  | ANR, NAS (NFS)                                                                                                                                                                                             |
| Network                          |                                                                                                                                                                                                            |
| Protocols                        | IPv4, IPv6, IGMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS                                                                             |
| 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                         | 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                        | N/A                                                                                                                                                                                                        |

|                      |                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm I/O            | N/A                                                                                                                                                                                                                                                                 |
| 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 55035)<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. 5.5 W                                                                                                                                                                                                                                                          |
| Power Interface      | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                          |
| Dimensions           | 198 mm × 71 mm × 71 mm (7.8" × 2.8" × 2.8") (L × W × H)                                                                                                                                                                                                             |
| Weight               | 0.42 kg (0.93 lb.)                                                                                                                                                                                                                                                  |
| Material             | Metal                                                                                                                                                                                                                                                               |
| 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-JB05-B-IN

Small Bullet Junction Box(Elegant White)



## TR-UC08-C-V2

Bullet&Dome Corner Mounting Bracket



## TR-A01-IN

NPT 3/4" Waterproof Cable Gland



## TR-UP06-C-IN-V2

Pole Mounting Bracket for Bullet Junction Box Only



# Unlimited New View

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