

## 2MP Mini Fixed IR Bullet Network Camera

IPC-B232-AF40-ECO



## Features

- High quality image with 1080P, 1/3.0" CMOS sensor
- 1080P (1920 × 1080)@25/30 fps; 720P (1280 × 720)@25/30 fps
- Supports accurate human body detection 2.0
- Ultra 265, H.265, H.264
- 2D/3D DNR (digital noise reduction)
- ROI (region of interest) ensures image quality in areas of interest with low bandwidth
- Smart IR, up to 30 m (98.4 ft.) IR distance
- 3-axis
- Built-in mic
- Wide temperature range: -30 °C to 60 °C (-22 °F to 140 °F)
- Supports PoE power supply
- IP67

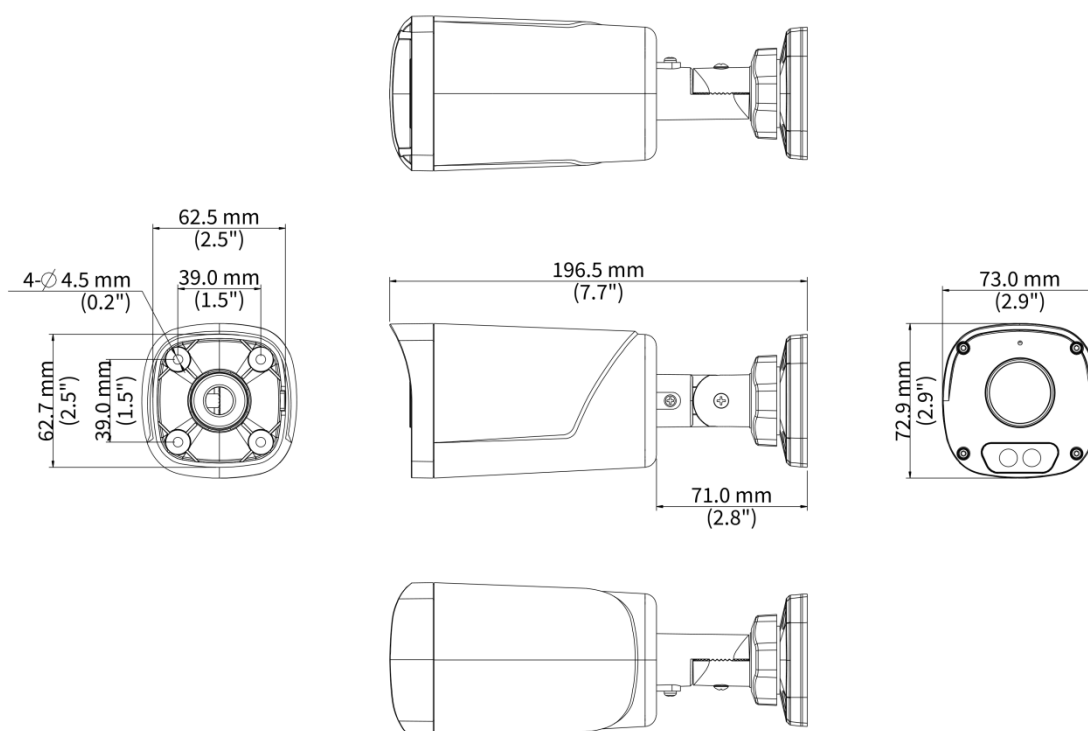
## Specifications

| Model                      | IPC-B232-AF40-ECO                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                     |                                                                                                                                                                                    |
| Max Resolution             | 2 MP                                                                                                                                                                               |
| Sensor                     | 1/3.0" 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 to 1/100000 s                                                                                                                                                       |
| Adjustment Angle           | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°                                                                                                                               |
| S/N                        | > 52 dB                                                                                                                                                                            |
| WDR                        | DWDR                                                                                                                                                                               |
| Lens                       |                                                                                                                                                                                    |
| Focal Length               | 4.0 mm                                                                                                                                                                             |
| Iris                       | F2.0                                                                                                                                                                               |
| Field of View (H)          | 68.4°                                                                                                                                                                              |
| Field of View (V)          | 37.0°                                                                                                                                                                              |
| Field of View (D)          | 77.3°                                                                                                                                                                              |
| Lens Type                  | Fixed                                                                                                                                                                              |
| Iris Type                  | Fixed                                                                                                                                                                              |
| DORI                       |                                                                                                                                                                                    |
| DORI Distance (Lens)       | 4 mm                                                                                                                                                                               |
| DORI Distance (Detect)     | 73.5 m (241.0 ft.)                                                                                                                                                                 |
| DORI Distance (Observe)    | 29.4 m (96.4 ft.)                                                                                                                                                                  |
| DORI Distance (Recognize)  | 14.7 m (48.2 ft.)                                                                                                                                                                  |
| DORI Distance (Identify)   | 7.3 m (24.0 ft.)                                                                                                                                                                   |
| Illuminator                |                                                                                                                                                                                    |
| Supplemental Light         | IR                                                                                                                                                                                 |
| Illumination Distance (IR) | 30 m (98.4 ft.)                                                                                                                                                                    |
| Wavelength                 | 850 nm                                                                                                                                                                             |
| Video                      |                                                                                                                                                                                    |
| Video Compression          | Ultra 265, H.265, H.264                                                                                                                                                            |
| H.264 Code Profile         | Baseline profile, Main profile, High profile                                                                                                                                       |
| Frame Rate                 | Main Stream: 1080P (1920 × 1080), max. 30 fps; 720P (1280 × 720), max. 30 fps;<br>Sub Stream: 640 × 360, max. 30 fps; 2CIF (704 × 288), max. 30 fps; CIF (352 × 288), max. 30 fps; |
| Video Bit Rate             | 128 Kbps to 6144 Kbps                                                                                                                                                              |
| U-code                     | Support                                                                                                                                                                            |
| OSD                        | Up to 4 OSDs                                                                                                                                                                       |
| Privacy Mask               | Up to 4 areas                                                                                                                                                                      |
| ROI                        | Support                                                                                                                                                                            |
| Video Stream               | Dual streams                                                                                                                                                                       |
| Image                      |                                                                                                                                                                                    |

|                         |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smart Illumination      | Support                                                                                                                                                                         |
| 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°                                                                                                                                    |
| Dewarping               | N/A                                                                                                                                                                             |
| HLC                     | Support                                                                                                                                                                         |
| BLC                     | Support                                                                                                                                                                         |
| Defog                   | Digital defog                                                                                                                                                                   |
| Image Stabilization     | N/A                                                                                                                                                                             |
| Events                  |                                                                                                                                                                                 |
| Basic Detection         | Motion detection, Audio detection, Human body detection 2.0                                                                                                                     |
| 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            | N/A                                                                                                                                                                             |
| Network                 |                                                                                                                                                                                 |
| Protocols               | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, UPnP, HTTP, QoS                                                                                   |
| Compatible Integration  | API, SDK                                                                                                                                                                        |
| Client                  | APP, Uniarch client                                                                                                                                                             |
| Web Browser             | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+                                                |
| Security                | Password Protection, Strong Password, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, WSSE and Digest Authentication for ONVIF |
| User/Host               | Up to 32 users. 2 user levels: administrator and common user                                                                                                                    |
| 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                                                                                                                                                                             |
| Certification           |                                                                                                                                                                                 |
| Protection              | IP67 (IEC 60529)                                                                                                                                                                |

|                     |                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------|
| EMC                 | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130-4)<br>FCC (FCC 47 CFR part15 B)         |
| Safety              | CE LVD (EN 62368-1)                                                                                |
| Environment         | CE-RoHS (2011/65/EU;(EU)2015/863)<br>WEEE (2012/19/EU)<br>Packaging and Packaging Waste (94/62/EC) |
| General             |                                                                                                    |
| Power               | PoE (IEEE 802.3af)                                                                                 |
| Power Consumption   | Max. 3.7 W                                                                                         |
| Power Interface     | N/A                                                                                                |
| Dimensions          | 196.5 mm × 73.0 mm × 72.9 mm (7.7" × 2.9" × 2.9") (L × W × H)                                      |
| Weight              | 0.22 kg (0.49 lb.)                                                                                 |
| Material            | Graphene + 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        | N/A                                                                                                |
| Web Client Language | 1 Language: English                                                                                |

## Dimensions



## Accessories

|                                                                                     |                                                                                   |                                                                                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>TR-JB05-A-IN</b><br>Small Bullet Junction Box(Support wiring from behind,Square) | <b>TR-UP06-B-IN</b><br>Bullet Pole Mounting Bracket                               | <b>TR-A01-IN</b><br>NPT 3/4" Waterproof Cable Gland                                 |
|    |  |  |
| <b>TR-UP06-C-IN-V2</b><br>Pole Mounting Bracket for Bullet Junction Box Only        | <b>TR-UC08-C-V2</b><br>Bullet&Dome Corner Mounting Bracket                        |                                                                                     |
|    |  |                                                                                     |

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