

# 4MP Fixed IR Mini Bullet Network Camera

IPC-2124-APF28(40)E



## Features

- High quality image with 4MP, 1/3" CMOS sensor
- 4MP(2560\*1440)@25/20fps;3MP (2304\*1296)@25/30fps; 1080P (1920\*1080)@25/30fps
- Supports accurate human body detection 2.0
- Ultra 265, H.265, H.264
- 2D/3D DNR (Digital Noise Reduction)
- ROI (Region of Interest)
- Smart IR, up to 30m (98ft) IR distance
- 3 Axis
- Built in Mic
- Wide temperature range: -40 °C to 60 °C
- PoE(IEEE 802.3af)
- IP67

## Specifications

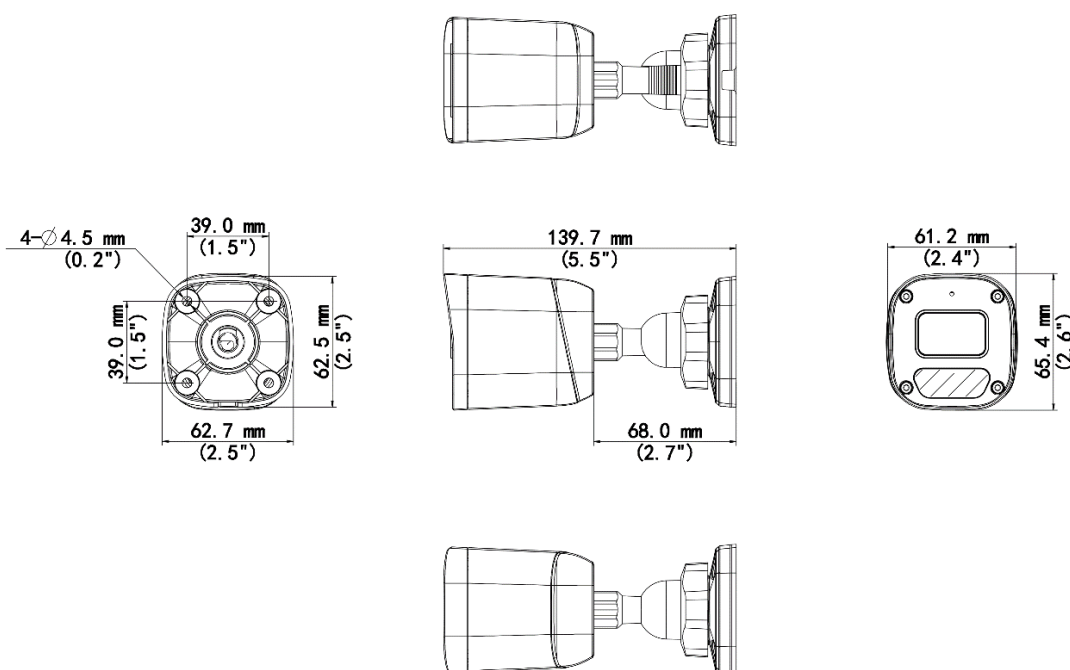
| Model          | IPC-2124-APF28E | IPC-2124-APF40E |
|----------------|-----------------|-----------------|
| Camera         |                 |                 |
| Max Resolution | 4 MP            |                 |
| Sensor         | 1/3.0" CMOS     |                 |

|                               |                                                                                                                                                                                                              |                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Min. Illumination             | Colour: 0.003 lux ( F1.6, AGC ON)<br>0 Lux with IR                                                                                                                                                           | Colour: 0.003 lux ( F2.0, AGC ON)<br>0 Lux with IR |
| Day/Night                     | IR-cut filter with auto switch (ICR)                                                                                                                                                                         |                                                    |
| Shutter                       | Auto/Manual, 1 to 1/100000 s                                                                                                                                                                                 |                                                    |
| Adjustment Angle              | Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotate: 0° ~ 360°                                                                                                                                                            |                                                    |
| S/N                           | > 52 dB                                                                                                                                                                                                      |                                                    |
| WDR                           | DWDR                                                                                                                                                                                                         |                                                    |
| Lens                          |                                                                                                                                                                                                              |                                                    |
| Focal Length                  | 2.8 mm                                                                                                                                                                                                       | 4.0 mm                                             |
| Iris                          | F2.0                                                                                                                                                                                                         |                                                    |
| Field of View (H)             | 97 °                                                                                                                                                                                                         | 74.6 °                                             |
| Field of View (V)             | 54.9 °                                                                                                                                                                                                       | 40.5 °                                             |
| Field of View (D)             | 111.9 °                                                                                                                                                                                                      | 89.1 °                                             |
| DORI                          |                                                                                                                                                                                                              |                                                    |
| DORI Distance<br>(Lens)       | 2.8mm                                                                                                                                                                                                        | 4.0 mm                                             |
| DORI Distance<br>(Detect)     | 63.0 m (206.7 ft)                                                                                                                                                                                            | 90.0 m (295.3 ft)                                  |
| DORI Distance<br>(Observe)    | 25.2 m (82.7 ft)                                                                                                                                                                                             | 36.0 m (118.1 ft)                                  |
| DORI Distance<br>(Recognize)  | 12.6 m (41.3 ft)                                                                                                                                                                                             | 18.0 m (59.1 ft)                                   |
| DORI Distance<br>(Identify)   | 6.3 m (20.7 ft)                                                                                                                                                                                              | 9.0 m (29.5 ft)                                    |
| Illuminator                   |                                                                                                                                                                                                              |                                                    |
| Supplemental Light            | IR                                                                                                                                                                                                           |                                                    |
| Illumination<br>Distance (IR) | 30 m (98.4 ft)                                                                                                                                                                                               |                                                    |
| Wavelength                    | 850 nm                                                                                                                                                                                                       |                                                    |
| IR On/Off Control             | Auto/Manual                                                                                                                                                                                                  |                                                    |
| Video                         |                                                                                                                                                                                                              |                                                    |
| Video Compression             | Ultra 265, H.265, H.264                                                                                                                                                                                      |                                                    |
| H.264 Code Profile            | Baseline profile, Main profile, High profile                                                                                                                                                                 |                                                    |
| Frame Rate                    | Main Stream: 4 MP (2560 × 1440), Max 25 fps; 3 MP (2304 × 1296) Max 30 fps; 1080 P (1920 × 1080), 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                         |                                                                                                                                                                                                              |                                                    |

|                         |                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| White Balance           | Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2, Area White Balance                                                                                  |
| 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                                                                                                                                             |
| 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                                                                                                                                                     |
| Network                 |                                                                                                                                                           |
| Protocols               | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, DNS, DDNS, NTP, UPnP, HTTP, QoS, RTCP, RTMP, SNMP                                                       |
| Compatible Integration  | ONVIF (Profile S, Profile T) , SDK                                                                                                                        |
| User/Host               | Up to 32 users. 3 user levels: administrator, common user and operator                                                                                    |
| Security                | Strong Password, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, WSSE and Digest Authentication for ONVIF, Log Encrypted Export |
| Web Browser             | Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+                                                                                                 |
| Interface               |                                                                                                                                                           |
| Audio I/O               | N/A                                                                                                                                                       |
| Alarm I/O               | 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           |                                                                                                                                                           |
| 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)                                                                                                                                       |
| Environment             | CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU);                                                                                                     |
| Protection              | IP67 (IEC 60529)                                                                                                                                          |

| General             |                                                      |
|---------------------|------------------------------------------------------|
| Power               | PoE (IEEE 802.3af)<br>Power consumption: Max TBD     |
| Power Interface     | N/A                                                  |
| Dimensions          | 140 × 61 × 65mm (5.5" × 2.4" × 2.6")                 |
| Weight              | TBD                                                  |
| Material            | Plastic                                              |
| Working Environment | -40 °C to 60 °C, Humidity: ≤ 95% RH (non-condensing) |
| Storage Environment | -40 °C to 60 °C, Humidity: ≤ 95% RH (non-condensing) |
| Surge Protection    | 4 KV                                                 |
| Reset Button        | N/A                                                  |
| Web Client Language | 4 Languages: English, Russian, Spanish, Vietnamese   |

## Dimensions



## Accessories

TR-JB05-A-IN

Small Bullet Junction Box(Support wiring from behind,Square)



TR-UP06-B-IN

Bullet Pole Mounting Bracket



TR-UP06-C-IN

Pole Mounting Bracket for Bullet Junction Box Only



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-UC08-C

Bullet&Dome Corner Mounting Bracket



\*Product specifications and availability are subject to change without notice. EVO | [evolution.com.kz](http://evolution.com.kz)