

## IPC8TF4R8-AD2 **AI-ISP**

### 8MP AI-ISP Active Deterrence Fixed Turret Network Camera



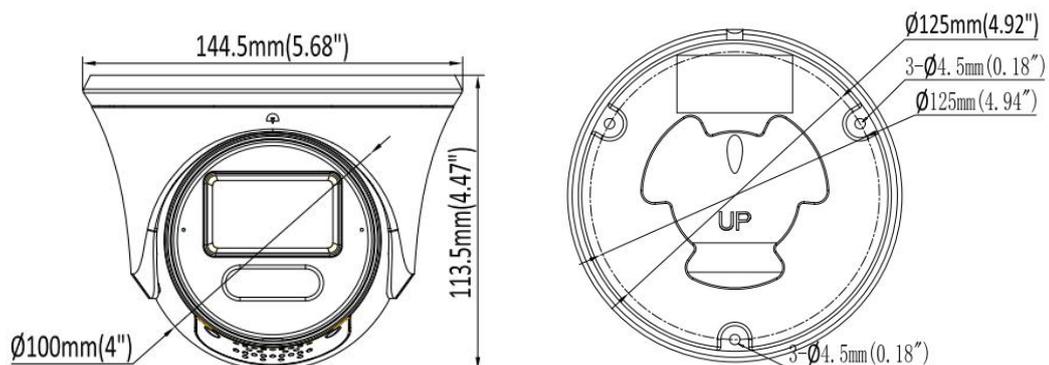
Homaxi AI-ISP technology delivers vivid, full-color images around the clock, thanks to its 1/1.8" high-performance sensors and F1.0 advanced lenses. The F1.0 super-aperture gathers more light to generate brighter visuals, while cutting-edge sensor technology significantly enhances the use of existing light sources.



### Key Features

- High quality imaging with 8MP resolution
- AI-ISP for excellent noise reduction effect
- 24/7 colorful imaging via AI-ISP technology
- Clear imaging against strong backlight due to 130dB WDR technology
- Focus on Person and Vehicle classification based on deep learning
- Built-in arrayed dual-microphone for real-time high quality audio security
- Provide real-time security via built-in two-way audio
- Built-in RS-485
- Smart Dual Light: Integrates IR and White lights, 3 supplemental lighting modes
- Water and dust resistant (IP67)
- Active strobe light and audio alarm to warn intruders off

### Dimensions



## Specification

| Camera                  |  |
|-------------------------|--|
| Image Sensor            | 1/1.8" Progressive Scan CMOS Sensor  |
| Min. Illumination       | Color: 0.0005 Lux ( F1.0 , AGC ON ) , 0 Lux with light   |
| Illumination Distance   | 30m (IR light)<br>30m (warm light)   |
| Strobe Light            | N/A  |
| Smart IR                | Support  |
| Pan/Tilt/Rotation Range | Pan: 0° ~ 360°<br>Tilt: 0° ~ 75°<br>Rotation: 0° ~ 360°  |
| Lens                    |  |
| Focal Length            | 2.8 mm   |
| Aperture                | F1.0   |
| FOV                     | Horizontal FOV: 108°, Vertical FOV: 59°, Diagonal FOV: 130°  |
| Lens Mount              | M16  |
| Compression Standard    |  |
| Video Compression       | H.264/H.264+/H.265/H.265+/MJPEG  |
| H.264 Codec Profile     | Base/Main/High profile   |
| H.265 Codec Profile     | Main Profile   |
| Video Bit Rate          | 11 Kbps ~ 16Mbps   |
| Triple Streams          | Support  |
| Audio Compression       | G.711A, G.711U   |
| Audio Bit Rate          | 64 Kbps  |
| Image                   |  |
| Max. Image Resolution   | 8MP (3840 × 2160)  |
| Main Stream             | 50Hz: 25fps 8MP (3840 × 2160) ,<br>25fps 6MP (3200 × 1800) , 25fps 5MP (3072 × 1728)<br>25fps 4MP (2560 × 1440) , 25fps 1080P (1920 × 1080)<br>60Hz: 30fps 8MP (3840 × 2160) ,<br>30fps 6MP (3200 × 1800) , 30fps 5MP (3072 × 1728)<br>30fps 4MP (2560 × 1440) , 30fps 1080P (1920 × 1080) |
| Sub Stream              | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)   |
| Third Stream            | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)   |
| Image Setting           | Brightness/Contrast/Saturation/Hue/Sharpness   |
| Shutter Time            | Auto/Manual, 1/3 ~ 1/100000s   |

|                          |  |
|--------------------------|--|
| Day/Night                | IR Cut Filter  |
| Wide Dynamic Range       | 130 dB   |
| Digital Noise Reduction  | 2D/3D DNR  |
| BLC                      | Support  |
| HLC                      | Support  |
| ROI                      | Support  |
| Rotate                   | Support  |
| <b>Smart Feature</b>     |  |
| Basic Event              | Motion detection, video tampering  |
| Smart Event              | Line crossing, area intrusion, region entrance, region exiting (support alarm triggering by specified target types (human and vehicle, motorcycle) )<br>Scene change detection |
| People Counting          | Support  |
| Loitering Detection      | Support  |
| Face Detection           | Support  |
| <b>Network</b>           |  |
| Network Storage          | NAS (NFS, SMB/CIFS)  |
| Protocols                | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P  |
| System Compatibility     | Onvif (Profile S, Profile G, Profile T) , SDK  |
| Security                 | HTTPS encryption, IP address filter, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface              |
| User                     | Plug-in required live view: IE 10, IE 11<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,<br>Local service: Chrome 57.0+, Firefox 52.0+                       |
| Web Browsers             | Up to 40 users   |
| Mobile Surveillance      | IOS, Android   |
| <b>Active Deterrence</b> |  |
| Red/Blue Light Warning   | Support  |
| Sound Warning            | Support  |
| <b>Interface</b>         |  |
| Communication Interface  | 1 RJ45 10 M/100 M self-adaptive Ethernet port  |
| On-board Storage         | Up to 512GB  |
| MIC                      | Support  |
| Speaker                  | Support  |
| Audio I/O                | 1/1  |
| Alarm I/O                | 1/1  |

|                      |   |
|----------------------|---|
| RS485                | Support   |
| Reset Button         | Support   |
| <b>General</b>       |   |
| Operating Conditions | (-40°C ~ 60°C) (-40°F ~ 140°F)<br>Humidity 95% or less (non-condensing) |
| Power Supply         | DC12V ± 25%   |
| POE                  | PoE (802.3 af)  |
| Power Consumption    | MAX. 9 W  |
| Protection Level     | IP67  |
| Material             | Metal   |
| Dimensions           | Φ 5.68" × 4.47" (144.5 × 113.5mm)                                       |
| Gross Weight         | 2.33 lb (1057 g)  |

## Related Accessories

| AC-JB05   | AC-WM05   | AC-PM03  | AC-CMB02  |
|---|---|--|---|
| Junction Box, Φ 142 × 46.5 MM   | Wall Mount, Φ136 × 120 × 208 MM   | Pole Mount, Φ 170 × 135.8 × 43.7 MM  | Pendant Mount, Φ 116 × 734.5 MM   |
|  |  |  |  |

Please select accessories according to the installation scenario:

