

IPC8TF4R8-AD2 **AI-ISP**

8MP AI-ISP Active Deterrence Fixed Turret Network Camera

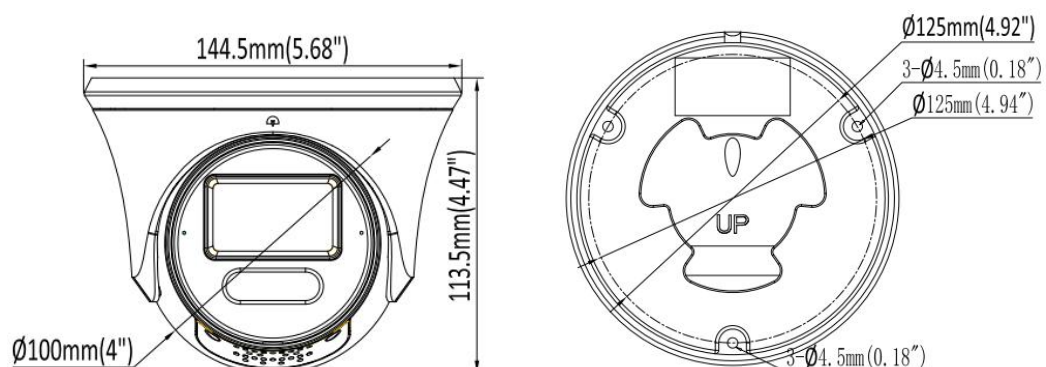
Homaxi AI-ISP technology delivers vivid, full-color images around the clock, thanks to its 1/1.8" high-performance sensors and F1.0 advanced lenses. The F1.0 super-aperture gathers more light to generate brighter visuals, while cutting-edge sensor technology significantly enhances the use of existing 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) 30m (warm light)
Strobe Light	N/A
Smart IR	Support
Pan/Tilt/Rotation Range	Pan: 0° ~ 360° Tilt: 0° ~ 75° 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) , 25fps 6MP (3200 × 1800) , 25fps 5MP (3072 × 1728) 25fps 4MP (2560 × 1440) , 25fps 1080P (1920 × 1080) 60Hz: 30fps 8MP (3840 × 2160) , 30fps 6MP (3200 × 1800) , 30fps 5MP (3072 × 1728) 30fps 4MP (2560 × 1440) , 30fps 1080P (1920 × 1080)
Sub Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 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
Smart Feature	
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)) Scene change detection
People Counting	Support
Loitering Detection	Support
Face Detection	Support
Network	
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 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+
Web Browsers	Up to 40 users
Mobile Surveillance	IOS, Android
Active Deterrence	
Red/Blue Light Warning	Support
Sound Warning	Support
Interface	
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
General	
Operating Conditions	(-40°C ~ 60°C) (-40°F ~ 140°F) 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:

