



IP-12FE-DEA

Enterprise Level Project

12MP Project Fixed Fisheye Network
Camera



- Max. 12MP (4000 × 3000) @ 25 fps, supports 8MP (3280 × 2480) @ 30 fps
- 1/1.7" CMOS image sensor
- Min. Illumination 0.01 Lux @ F2.0 (Color, 30 IRE), down to 0 Lux when IR light is on
- Built-in Matrix IR LED, illuminating up to 33 ft
- H.265/H.264 Video Compression
- Video Content Analytics with Line Crossing, Intrusion, People Counting, and Heat Map
- Built-in dual Microphones and speaker for two-way talk
- Supports Audio Input/Output and Alarm Input/Output
- Built-in microSD card slot, up to 256 GB
- 12 V DC/PoE+ power supply
- IP67 and IK10 protection

SPECIFICATION

Camera

Image Sensor	1/1.7" 12 Megapixel progressive CMOS
Min. Illumination	0.01 Lux @ F2.0 (Color, 30 IRE), 0.001 Lux @ F2.0 (B/W, 30 IRE), 0 Lux with IR light on
Shutter	Auto/Manual 1/3 s-1/100,000 s
S/N Ratio	> 56 dB
Noise Reduction	3D NR
Wide Dynamic Range	DWDR
Day & Night	Auto(ICR)/Color/B/W
Lens Type	Fixed-focal 1.85 mm @ F2.0
Iris Type	Fixed
Field of View	Horizontal: 185°, Vertical: 180°
Close Focus Range	1.31 ft (0.4 m)
DORI	Detect: 131.23 ft (40.0 m), Observe: 52.49 ft

	(16.0 m), Recognize: 26.2 ft (8.0 m), Identify: 13.12 ft (4.0 m)
Illuminator	3 (IR LED)
Illumination Range	32.81 ft (10 m)
Illuminator Control	Auto/Manual

Video

Video Compression	H.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream)
Smart Codec	Supported
Resolution	4000 × 3000, 3280 × 2480, 2880 × 2160), 3M (2048 × 1536), 1.3M (1280 × 960), D1 (704 × 576/704 × 480), CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 4000 × 3000 @ (1 fps- 25 fps) / Sub stream: 704 × 576 @ (1 fps- 30 fps) / Third stream: 1280 × 960 @ (1 fps- 17 fps) / Fisheye mode: 1O (4000 × 3000), 1P (4096 × 1024), 2P (2432 × 2432), 1R (1216 × 1216), 2R (2432 × 2432), 4R (2432 × 2432), 1O+3R (2432 × 2432)
Video Stream	3 streams
Bit Rate Control	CBR, VBR
Video Bit Rate	H.264: 8 kbps-16384 kbps / H.265: 3 kbps-16384 kbps
ROI	Supported (4 areas)
Privacy Mask	Supported (4 areas)

Audio

Built-in MIC	Supported Dual Microphones
Built-in Speaker	Supported
Audio Compression	PCM, G.711A, G.711Mu, G.726, G.723

Intelligent Analysis

VCA (Video Content Analytics)	Line Crossing, intrusion (Support the classification and accurate detection of human)
People Counting	Tripwire people counting and people counting in area, and queue management with report
Heat Map	Supported

Event

Alarm Event	No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion detection, video tampering, voltage detection, security exception, line crossing, intrusion, scene changing, audio detection, external alarm, people counting in area, stay detection
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Network

Protocol	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, 802.1x
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Interoperability

ONVIF(Profile S/Profile G/Profile T), API, SDK

Storage

Storage	FTP, SFTP, Micro SD Card (support max. 256 G), NAS
Web Browser	Chrome, Firefox
Client	TitanViewer, TitanViewer App

Interface

Audio I/O	1 channel (RCA port) in, 1 channel (RCA port) out / 2 channel in: 5 mA 3 V-5 VDC, 2 channel out: 1,000 mA 30 VDC/500 mA 50 VDC
Alarm I/O	2 channel in: 5 mA 3 V-5 VDC, 2 channel out: 1,000 mA 30 VDC/500 mA 50 VDC
Network	RJ-45 (10/100/1000 Base-T)

General

Power	12 V DC/PoE+, < 13.9 W
Housing	Metal
Dimensions	2.35" × Φ5.90" (59.8 mm × Φ149.8 mm)
Operating Conditions	-40°F to +140°F (-40°C to +60°C)/less than 95% RH
Storage Conditions	-22°F to +158°F (-30°C to +70°C)
Protection Grade	IP67, IK10
Net Weight	1.74 lb (0.79 kg)



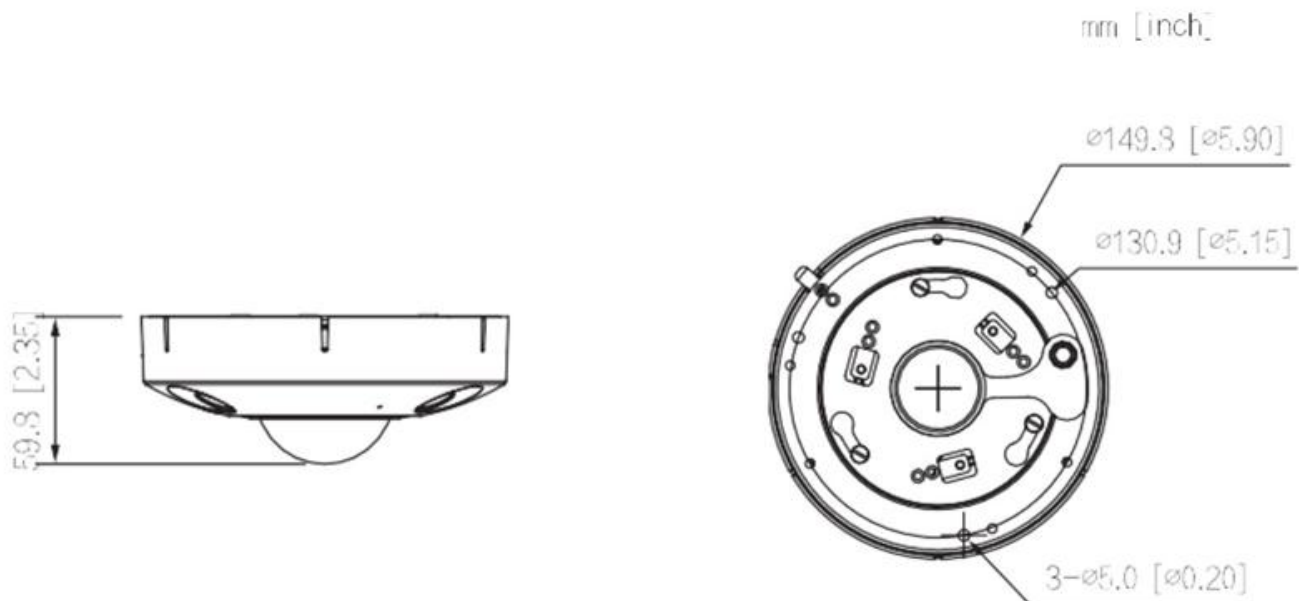
Gross Weight

2.67 lb (1.21 kg)

Certification

FCC, IC, UL

Dimension



ACCESSORIES



A03

Adapter Plate



W03

Wall Mount Bracket



W06

Wall Mount Bracket



E02

Ceiling Mount Bracket



J03



C01



P01



Junction Box

Corner Mount
Bracket

Pole Mount Bracket