



IP-8EB-F28-DPC

Professional Level TitanDeterrent

8MP TitanDeterrent Fixed Turret
Network Camera



- Up to 8MP (3840 × 2160) @ 30 fps
- Starlight CMOS image sensor (1/2.8")
- 0.001 Lux @ F1.0 minimum illumination (Color, 30 IRE); 0 Lux with illuminator on
- Built-in IR and warm light LEDs; Matrix illuminator range up to 98 ft
- H.265/H.264 video compression
- 120 dB True WDR, plus 3D DNR, HLC & BLC
- Intelligent Motion Detection targeting human & vehicle
- AiPick for fast, accurate human and vehicle search
- Video Content Analytics with Line Crossing, Intrusion and Loitering Detection
- TitanDeterrent sound and light alarm with red & blue lights
- Built-in dual Microphones and speaker with two-way talk
- Audio Input/Output and Alarm Input/Output
- Built-in microSD card slot up to 256 GB
- 12 V DC / PoE power supply
- IP67-rated protection

SPECIFICATION

Camera

Image Sensor	1/2.8" 8Megapixel progressive CMOS
Min. Illumination	0.001 Lux@F1.0 (Color, 30 IRE), 0.0001 Lux@F1.0 (B/W, 30 IRE), 0 Lux with illuminator on
Shutter	Auto/Manual 1/3 s-1/100, 000 s
S/N Ratio	> 56 dB
Noise Reduction	3D NR
Wide Dynamic Range	120 dB
Day & Night	Auto(ICR)/Color/B/W
Angle Adjustment	Pan: 0°-360°, Tilt: 0°-78°, Rotation: 0°-360°
Lens Type	Fixed-focal 2.8 mm@F1.0
Iris Type	Fixed



Field of View	Horizontal:106°, Vertical: 55°, Diagonal: 125°
Close Focus Range	6.56 ft (2.0 m)
DORI	Detect: 298.56 ft (91.0 m), Observe: 119.42 ft (36.4 m), Recognize: 59.71 ft (18.2 m), Identify: 29.86 ft (9.1 m)
Illuminator	1 Dual-core LED (IR and white light)
Illumination Range	IR: Up to 98 ft (30 m), White light: Up to 98 ft (30 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	8M (3840 × 2160), 6M (3072 × 2048), 5M (3072 × 1728/2592× 1944), 4M (2688 × 1520), 4MP (2560 × 1440), 3M (2304 × 1296/2048 × 1536), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/ 704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 3840 × 2160 @ (1 fps- 30 fps) Sub stream: 704 × 576 @ (1 fps- 25 fps), 704 × 480 @ (1 fps- 30 fps) Third stream: 1920 × 1080 @ (1 fps- 30 fps)
Video Stream	3 streams
Bit Rate Control	CBR, VBR



Video Bit Rate	H.264: 32 kbps-8192 kbps;
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	H.265: 12 kbps-8192 kbps
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ROI	Supported (4 areas)
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Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower.)
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Mirror	Supported
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Privacy Mask	Supported (8 areas)
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Audio

Built-in Microphone	Supported Dual Microphones
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Built-in Speaker	Yes
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Audio Compression	PCM, G.711a, G.711Mu, G.726, G.723
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Intelligent Analysis

VCA (Video Content Analytics)	Line Crossing, intrusion (Support the classification and accurate detection of vehicle and human) , Loitering Detection
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Intelligent Motion Detection	Yes, support alarm triggered by vehicle and human
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AiPick	Accurate human or vehicle Search based on attributes extraction and comparison, with AiPick NVRs
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Event

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

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
Interoperability	ONVIF(Profile S/Profile G/Profile T), API, SDK
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
Alarm I/O	1 channel in: 5 mA 3 V-5 VDC, 1 channel out: 300 mA 12 VDC
Network	RJ-45 (10/100 Base-T)

General

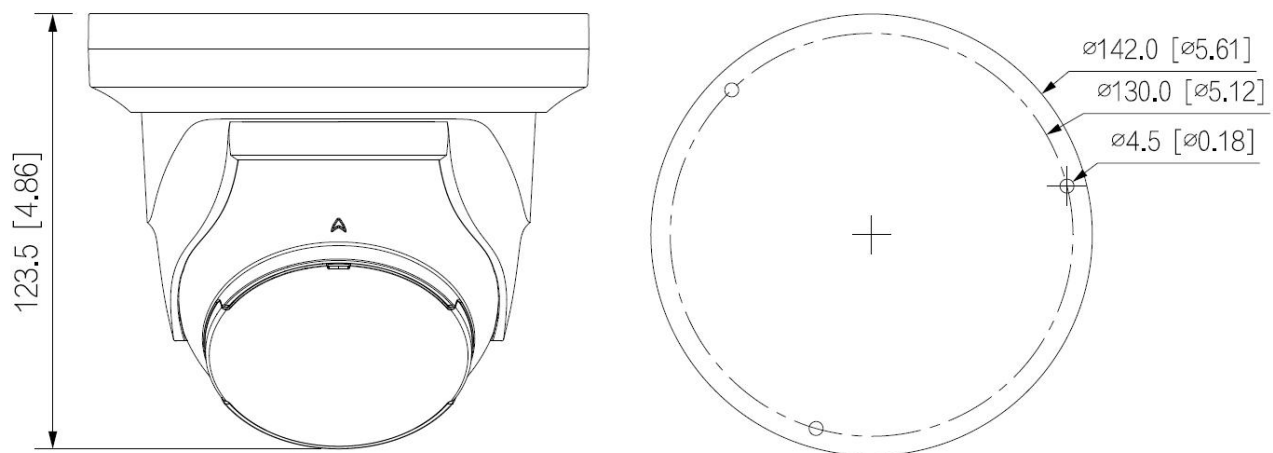
Power	12 V DC/PoE (802.3af), < 10.2 W
Housing	Metal
Dimensions	4.86" × Φ5.61" (123.5 mm × Φ142.0 mm)



Operating Conditions	-40°F to +140°F (-40°C to +60°C)/less than 95% RH
Storage Conditions	-40°F to +140°F (-40°C to +60°C)
Protection Grade	IP67
Net Weight	1.85 lb (0.84 kg)
Gross Weight	2.23 lb (1.01 kg)
Certification	FCC, IC, UL

Dimension

mm [inch]



ACCESSORIES



A02

Mount Adapter



W04, W04B

Wall Mount Bracket



AC09

Gang Box



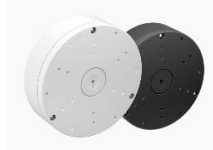
E02

Ceiling Mount Bracket



J04, J04B

Junction Box



CJ11, CJ11B

IP66 Junction Box



P02

Pole Mount Bracket