



IP-4EB2-F28-DPA

Professional Level TitanDeterrent

2 x 4MP TitanDeterrent Fixed Turret
Network Camera



- Up to 8MP (4096 × 1860) @ 20 fps
- Dual 1/2.7-inch Starlight CMOS Image Sensor
- Minimum Illumination of 0.002 Lux @ F1.4 (Color, 30 IRE), 0 Lux with Illuminator On
- Built-in IR LED and Warm Light LED with Matrix Illuminator Distance up to 82 ft
- H.265/H.264 Encoding
- True WDR 120 dB, 3D DNR, HLC, BLC
- Intelligent Motion Detection Focused on Human and Vehicle
- AiPick Support to Search Human and Vehicle Fast and Accurately
- Video Content Analytics: Line Crossing, Intrusion, and Loitering Detection
- TitanDeterrent: Red and Blue Sound-and-Light Alarm
- TitanTracking Support to Zoom In and Track Multiple Humans and Vehicles Simultaneously
- Built-in Dual Microphones and Speaker for Two-Way Talk
- Audio and Alarm Input/Output Supported
- Built-in microSD Card Slot, up to 256 GB
- 12 V DC/PoE Power Supply
- IP67 Protection

SPECIFICATION

Camera

Image Sensor	Dual 1/2.7" 4 Megapixel progressive CMOS
Min. Illumination	0.002 Lux @ F1.4 (Color, 30 IRE), 0.0002 Lux @ F1.4 (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°-77°, Rotation: 0°-360°



Lens Type	Fixed-focal 2.8 mm @ F1.4
Iris Type	Fixed
Field of View	Horizontal:180°, Vertical: 86°
Close Focus Range	2.6 ft (0.8 m)
DORI	Detect: 166 ft (50.6 m), Observe: 66.3 ft (20.2 m), Recognize: 33.1 ft (10.1 m), Identify: 16.7 ft (5.1 m)
Illuminator	2 (IR LED), 2 (white light)
Illumination Range	IR: Up to 82 ft (25 m), White light: Up to 66 ft (20 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 (4096 × 1860), 6M (3632 × 1632), 4M (3040 × 1368), 1.6M (1920 × 860), 1200 × 530, 960 × 432
Video Frame Rate	Main stream: 4096 × 1860 @ (1 fps- 20 fps) Sub stream: 1200 × 530 @ (1 fps- 20 fps) Third stream: 1920 × 860 @ (1 fps- 20 fps)
Video Stream	3 streams
Bit Rate Control	CBR, VBR
Video Bit Rate	H.264: 6 kbps-16384 kbps; H.265: 6 kbps-16384 kbps



ROI	Supported (4 areas)
Privacy Mask	Supported (4 areas)
Defog	Supported

Audio

Built-in Microphone	Supported Dual Microphones
Built-in Speaker	Yes
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 vehicle and human) , Loitering Detection
Intelligent Motion Detection	Yes, support alarm triggered by vehicle and human
AiPick	Accurate human or vehicle Search based on attributes extraction and comparison, with AiPick NVRs
TitanTracking	Support to zoom in and track multiple humans and vehicles that trigger alarm simultaneously

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
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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, SNMP
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)

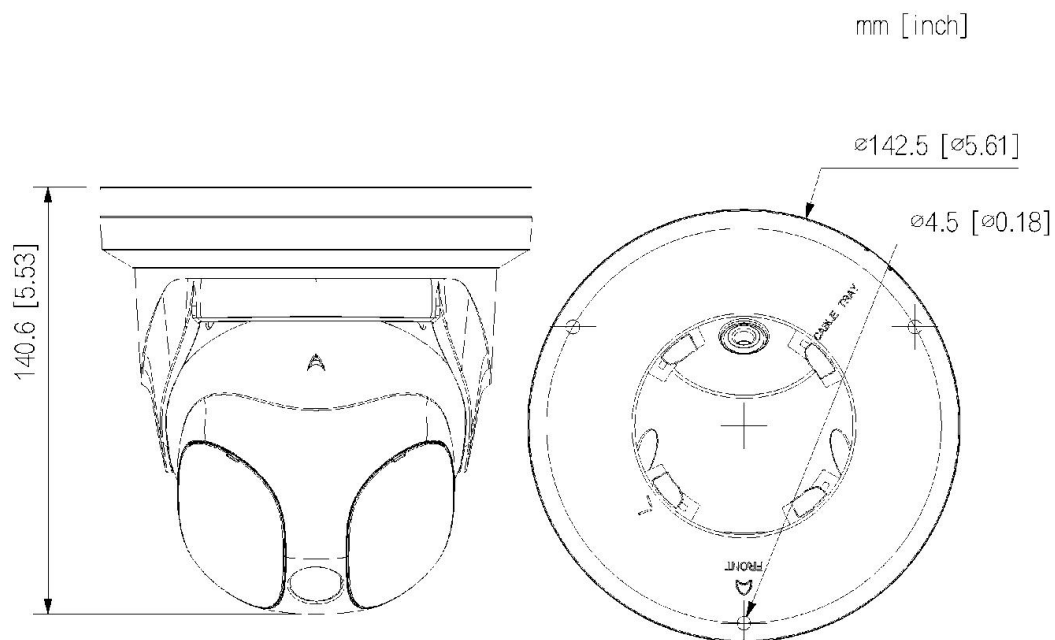
General

Power	12 V DC/PoE (802.3af), < 10.8 W
Housing	Metal
Dimensions	140.6 mm × Φ142.5 mm (5.53" × Φ5.61")



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	2.20 lb (1.0 kg)
Gross Weight	2.76 lb (1.25 kg)
Certification	FCC, IC, UL

Dimension





ACCESSORIES



A02

Mount Adapter



W04, W04B

Wall Mount Bracket



AC09

Gang Box



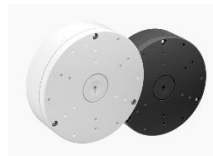
E02

Ceiling Mount Bracket



J04, J04B

Junction Box



CJ11, CJ11B

IP66 Junction Box



P02

Pole Mount Bracket