



IP-4PT8EB-6DZ25A

TitanDeterrent PTZ

4MP TitanDeterrent PTZ Network
Camera



- Panorama: Outputs a 180° wide-angle splicing image; Detail: 1/2.8" 4 Megapixel STARVIS™ CMOS
- 25x Optical Zoom
- Min. Illumination: 0.005 Lux @ F1.64, 0 Lux with IR LED On
- Built-in IR LED, Matrix IR LED Up to 328 ft
- H.265/H.264 Flexible Coding
- TitanTracking and PFA Technology
- Intelligent Motion Detection Focused on Human and Vehicle
- Perimeter Protection by AI Algorithm
- Built-in microSD Card Slot, Up to 512 GB
- 12 V DC/PoE+ Power Supply
- IP66

SPECIFICATION

Camera

Image Sensor	Panorama: 1/2.7" CMOS; Detail: 1/2.8" CMOS
Max. Resolution	Panorama: 4096 × 1860; Detail: 2560 × 1440
Min. Illumination	Panorama:0.005 lux@F1.4 (Color, 30 IRE);0.0005 lux@F1.4 (B/W, 30 IRE);0 lux (illuminator on)Detail:0.005 lux@F1.6 (Color, 30 IRE);0.0005 lux@F1.6 (B/W, 30 IRE);0 lux (illuminator on)
Shutter	Electronic 1/1 s-1/30, 000 s
S/N Ratio	> 55 dB
Noise Reduction	2D NR, 3D NR
Wide Dynamic Range	120 dB
Day & Night	Auto(ICR)/Color/B/W
Zoom	25x optical
Focal Length	Panorama: 2.8 mm; Detail: 5 mm–125 mm



Aperture	Panorama: F1.4; Detail: F1.6-F3.6
Field of View	Panorama: H: 180°; V: 86°; Detail: H: 51.9°–3.0°; V: 39.7°–2.2°; D: 63.1°–3.7°
Close Focus Range	Panorama: 1.97 ft (0.6 m); Detail: 0.33"–1.64" (0.1 m–0.5 m)
DORI	<p>Overview channel</p> <p>2.8 mm:D: 182.09 ft (55.5 m); O: 72.18 ft (22.0 m); R: 36.09 ft (11.0 m); I: 17.39 ft (5.3 m)</p> <p>Detail channel:</p> <p>Detect: 327.76 ft –8364.50 ft (99.9 m – 2549.5 m)</p> <p>Observe: 129.59 ft –3280.84 ft (39.5 m – 1000 m)</p> <p>Recognize: 63.98 ft – 1625.66 ft (19.5 m – 495.5 m)</p> <p>Identify: 32.15 ft –818.57 ft (9.8 m – 249.5 m)</p>
Illuminator	Panorama: 2 (IR light); 2 (White light); Detail: 2 (IR light); 2 (Warm light)
Illumination Range	Panorama: 98.43 ft (30 m) (IR);98.43 ft (30 m) (white light)Detail: 328.08 ft (100 m) (IR);131.23 ft (40 m) (white light)
Illuminator Control	Panorama: Manual; Auto; OffDetail: Zoom Prio; Manual; Auto; Off
Control Speed	Manual
Power-off Memory	Yes

Video

Video Compression	Panorama: H.265; H.264; MJPEG(Sub Stream 1); Detail: H.265;H.264;MJPEG(Sub Stream 1);
Smart Codec	Supported
Resolution	<p>Panorama: 8M (4096 × 1860); 2M (2048 × 928); 1080p(1920 × 1080); 720p (1280 × 720); 1024 × 448; D1 (704 × 576/704 × 480);VGA (640 × 480); CIF (352 × 288/352 × 240);</p> <p>Detail: 4M (2560 × 1440); 3M (2304 × 1296);1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF(352 × 288/352 × 240)</p>
Video Frame Rate	<p>Overview channel:</p> <p>Main stream: 4096 × 1860 @ (1–25/30 fps)</p> <p>Sub stream 1: 1024 × 448/D1/VGA/CIF @ (1–25/30 fps)</p> <p>Sub stream 2: 2048 × 928/1080p/1.3 M/720p @ (1–25/30 fps);</p> <p>Detail channel:</p> <p>Main stream: 4M/3M/1080p/1.3 M/720p @ (1–25/30fps)</p> <p>Sub stream 1: D1/VGA/CIF @ (1–25/30 fps)</p> <p>Sub stream 2: 1080p/1.3M/720p/ @(1–25/30 fps)</p>
Video Stream	3 streams
Bit Rate Control	CBR, VBR



Video Bit Rate

Panorama: H264: 128 kbps–16,384 kbps
H265: 51 kbps–13,312 kbps; Detail:
H264: 96 kbps–16,384 kbps
H265: 38 kbps–10,240 kbps;

ROI	Supported
Image Rotation	180°
Image Enhancement	BLC, HLC, 3D NR
Defog	Electronic
Image Stabilization	Electronic
Privacy Mask	Not Supported

PTZ

Range	Pan: 0°-360° endless, Tilt: -15°to 90°, auto flip 180°
Pan Speed	Manual Control: 0.1°/s-180°/s Preset: 180°/s
Tilt Speed	Manual Control: 0.1°/s-90°/s Preset: 90°/s
Preset	300
Patrol	8
Pattern	5
Scan	5
Scheduled Task	Preset, Pattern, Tour, Scan
Preset Freezing	Supported
3D Positioning	Supported

Intelligent Analysis

VCA+ (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; parking detection; people gathering; linkage tracking
Intelligent Motion Detection	Yes, support alarm triggered by vehicle and human
AiPick+	Not Supported
Deep Learning Function	Not Supported
TitanTracking	Supported

Audio

Built-in Microphone	Not Supported
Built-in Speaker	Supported
Audio Compression	PCM, G.711A, G.711Mu,
Audio Bitrate	Sampling rate :PCM(8000Hz; 16000Hz; 32000 Hz) G.711A(8000 Hz); G.711Mu(8000 Hz;)

Event

Basic Event	Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection
Alarm Linkage	Capture; recording; send email; alarm digital output; audio; warning light



Network

Protocol	HTTP;HTTPS;TCP/IP;IPv4;RTSP;SMTP;NTP;DHCP;DNS;DDNS;IPv6;802.1x;SSL;Qos;FTP;UPnP;SNMP;ARP;RTCP;RTP;PPPoE;RTMP;Bonjour;NFS
Interoperability	ONVIF (Profile S&G&T);CGI;SDK;P2P
Storage	Micro SD card (512 GB); FTP/SFTP; NAS
Web Browser	web5.0;IE 9 and later versions;Chrome 41 and later versions;Firefox 52 and later versions;Safari 10 and later versions
Client	IOS;Android

Interface

Ethernet Interface	RJ-45 (10/100 Base-T)
Alarm I/O	2 input, 1 output
Audio I/O	1 input, 1 output

General

Power	12V DC/ PoE+ (802.3at)
Power Consumption	Max. 25 W
Material	Metal
Dimensions	7.65" × 6.30" × 12.24" (194.2 mm × 160 mm × 311 mm)
Operating Conditions	-40 °F to +149 °F (-40 °C to +65 °C)
Protection	IP66
Gross Weight	10.14 lb (4.6 kg)
Net Weight	6.83 lb (3.1 kg)



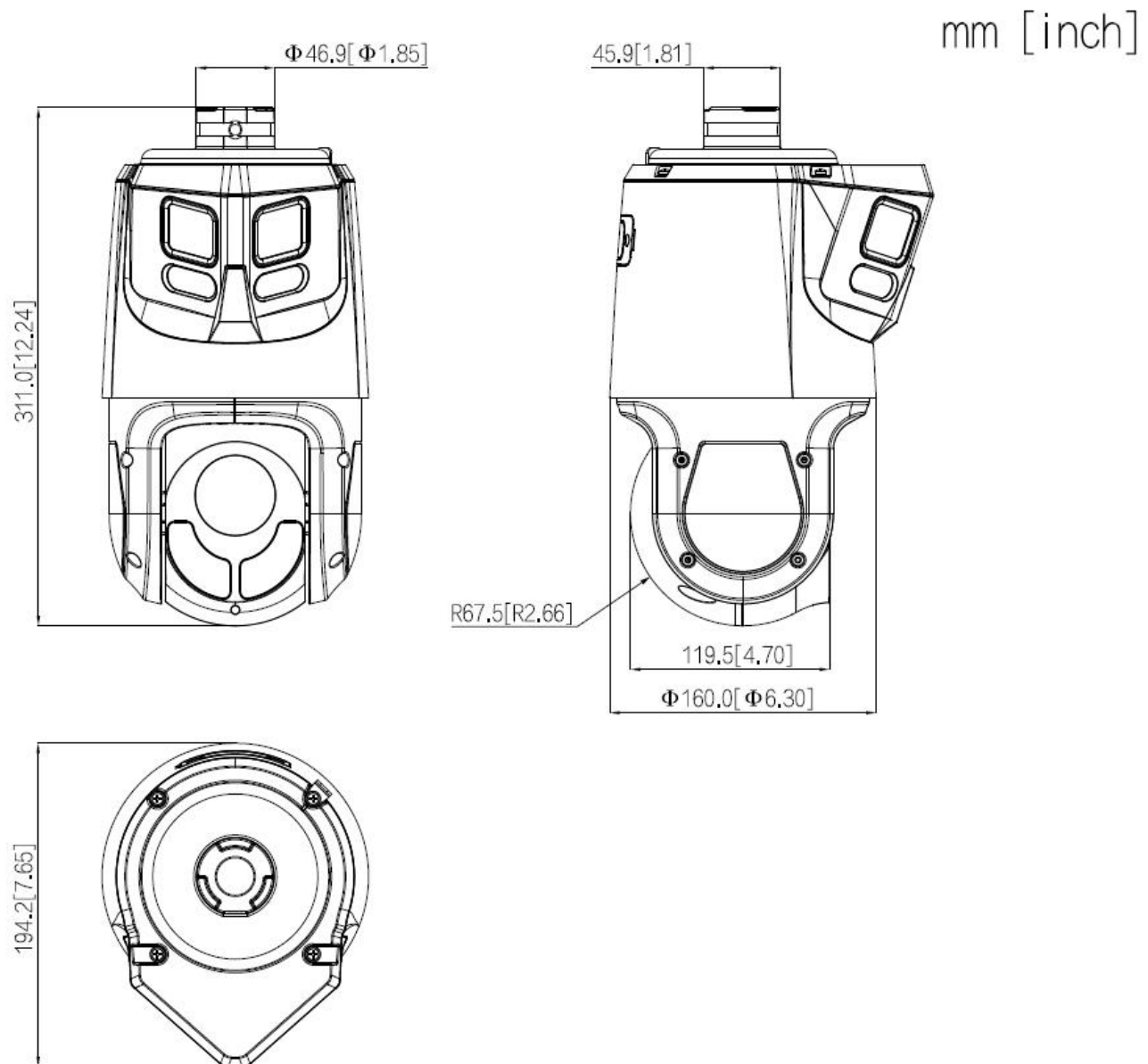
EMC

FCC, IC

Safety

UL

Dimension



ACCESSORIES



A08

Mount Adapter



W02

Wall Mount Bracket



E02

Ceiling Mount Bracket



D01

IP66 Junction Box



J10

Junction Box



P01

Pole Mount Bracket



C01

Corner Mount Bracket



R01

Parapet Mount Bracket