



IP-4PT-6DZ25A

TitanDeterrent PTZ

4MP 25x TitanDeterrent PTZ Network
Camera



- Up to 30 fps at 4MP (2560×1440)
- 1/2.8" CMOS Image Sensor
- 25× Optical Zoom
- Dual built-in illuminators (warm white + IR), up to 330 ft range
- Video Content Analytics — Line Crossing and Intrusion detection via AI
- Intelligent Motion Detection for Human and Vehicle targets
- Find, track, and identify targets by body shape, clothing color, and other characteristics with AiPick
- Face Detection
- Built-in Red & Blue active deterrence lights
- Built-in microSD card slot (up to 512 GB)
- 12 VDC / PoE+ (802.3at) power supply
- IP66 dust- and water-resistant

SPECIFICATION

Camera

Image Sensor	1/2.8" CMOS
Min. Illumination	0.006 Lux @ F1.6 (Color) / 0.0006 Lux @ F1.6(B/W) / 0 Lux (warm white lights on)
E-shutter Speed	Auto/Manual 1/1s~1/30000s
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° to 360° endless
Angle Adjustment - Tilt	-15° to +90°, auto flip 180°
Zoom	25x optical
Lens Type	Motorized Vari-Focal, 5 mm at F1.6 to 125 mm at F3.6



Iris Type	Auto/Manual
Field of View - Horizontal	51.9°–3.0°
Field of View - Vertical	39.7°–2.2°
Field of View - Diagonal	63.1°–3.7°
Close Focus Range	0.33 ft–4.92 ft (0.1 m–1.5 m)
DORI - Detect	378.75 ft–8202.75 ft (100.2 m–2500.2 m)
DORI - Observe	131.90 ft–3281.50 ft (40.2 m–1000.2 m)
DORI - Recognize	66.27 ft–1641.08 ft (20.2 m–500.2 m)
DORI - Identify	33.46 ft–820.86 ft (10.2 m–250.2 m)
Illuminators	2 x IR lights, 2 x Warm white lights
Illumination Range	Up to 330 ft (100.58 m) with IR lights on / Up to 165 ft (50.29 m) with Warm white lights on
Illuminator Control	Zoom Prio, Manual, Auto, Off

Video

Video Compression	H.265, H.264, MJPEG (Sub Stream1 Only)
Smart Codec	Supported
Resolution	4MP (2560 * 1440) / 3MP (2048 * 1536) / 3MP (2304 * 1296) / 1080p (1920 * 1080) / 1.3MP (1280 * 960) / 720P (1280 * 720) / D1 (704*480) / VGA (640*480) / CIF (352 * 288) / CIF (352 * 240)
Maximum Frame Rate - Main stream	4MP (2560*1440) at 30 fps
Maximum Frame Rate - Sub stream1	D1 (704*480) at 30 fps, 720P (1280*720) at 30 fps



Maximum Frame Rate - Sub stream2	1080p (1920 * 1080) at 30 fps
Video Stream	3 Streams: Main Stream, Sub Stream1, Sub Stream2
Bit Rate Control	CBR, VBR
Video Bit Rate - H.264	4096 kbps to 14336 kbps
Video Bit Rate - H.265	1280 kbps to 8192 kbps
ROI	Supported (8 areas)
Image Rotation	0° and 180°
Mirror	Unsupported
Privacy Mask	Supported (8 areas)

Audio

Built-in Microphone	Unsupported
Built-in Speaker	Supported
Audio Compression	PCM, G.711a, G.711Mu, AAC

PTZ

Range - Pan	0°-360° endless
Range - Tilt	-15° to 90°, auto flip 180°
Pan Speed - Manual Control	0.1°/s-120°/s
Pan Speed - Preset	0.1°/s-240°/s
Tilt Speed - Manual Control	0.1°/s-120°/s
Tilt Speed - Preset	0.1°/s-240°/s
Preset	300



Patrol	8 (up to 32 presets per patrol)
Pattern	5
Scan	5
Scheduled Task	Preset, Pattern, Tour, Scan
Preset Freezing	Supported
3D Positioning	Supported

Intelligent Analysis

VCA (Video Content Analytics)	Intrusion, Line Crossing, Crossing Virtual Fence, Abandoned Object, Parking Detection, Missing Object, Aggregate Detection, Loitering Detection
iMD	Supported
Face Detection	Supported
AiPick	Supported
Deep Learning Function	Not Supported
Auto Tracking	Supported

Event

Alarm Event	Motion Detection, Audio Detection, Video Tampering, Scene Changing, Disk Full, Disk Error, Security Warning, External Alarm, AI Event
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Network

Protocol	IPv4, IPv6, DNS, DHCP, TCP, HTTP, HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP, RTMP, PPPoE,
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UPnP, SNMP, Bonjour, QoS, Auto
Registration, ICMP, IGMP, FTP, SFTP, RTP, RTCP,
ARP, NTP, NFS

Interoperability	ONVIF (Profile S & Profile G & Profile T), CGI
Storage	FTP, SFTP, Micro SD card (support max. 512 GB), NAS
Web Browser	Chrome, Firefox
Client	PC client: TitanViewer / Mobile APP: TitanViewer

Interface

Network port	RJ-45 (10/100 Base-T)
Micro SD card Slot	Yes
Reset Button	Supported
Alarm I/O	2 input / 1 output
Audio I/O	1 input / 1 output

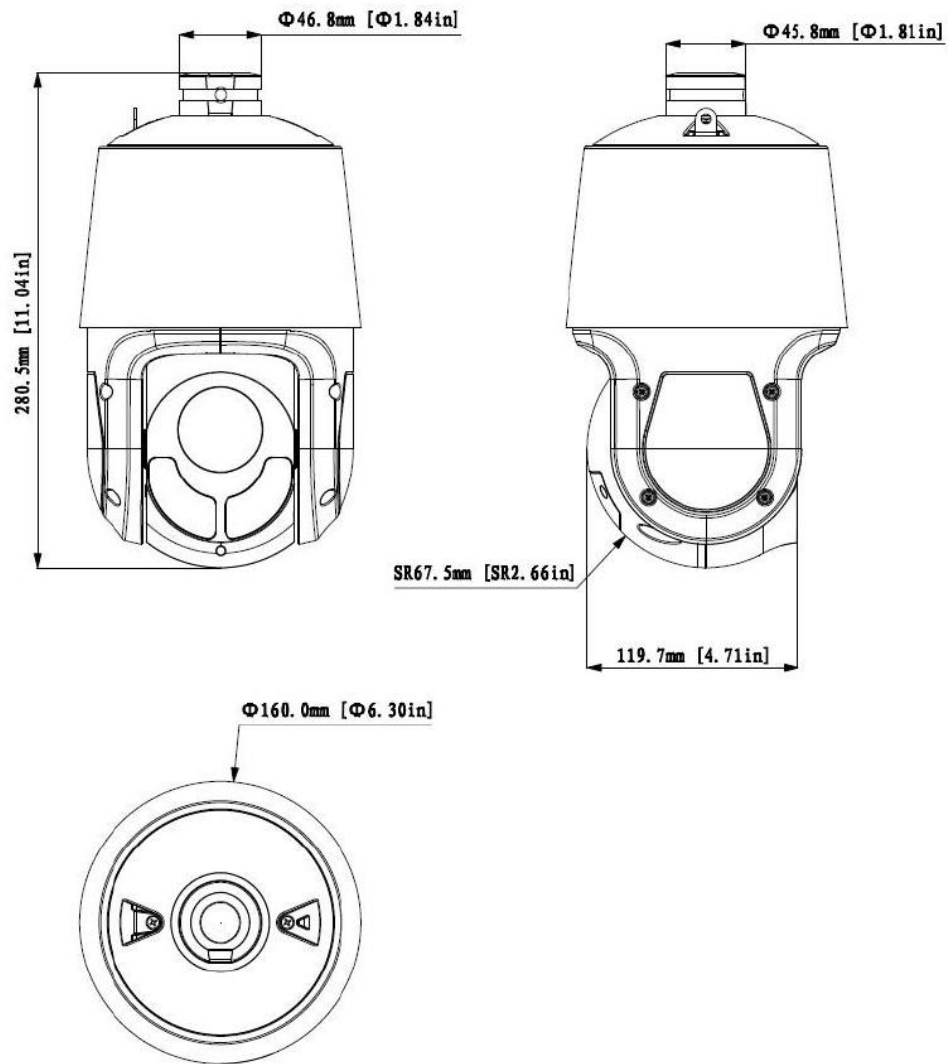
General

Power Supply	12 VDC / PoE+(802.3at)
Power Consumption	12 VDC: Max 13 W, Typical 8 W
Housing	Cover: Metal, Dome: Plastic
Dimensions	Φ6.3 in × 11.04 in (Φ160.0 mm × 280.5 mm)
Dimensions with Box	10.51 in × 10.51 in × 9.33 in (267.0 mm × 267.0 mm × 437.0 mm) (L × W × H)
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	IP66
Net Weight	6.02 lb (2.72 kg)
Gross Weight	9.90 lb (4.49 kg)
Certification	FCC, IC

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