

4MP 5x TitanDeterrent Mini PTZ Network Camera IP-4PT-4DZ5A



Key Features

- Outputs up to 4MP (2560 × 1440) @ 30 fps
- 1/2.8" 4 Megapixel progressive CMOS sensor
- 5x Optical Zoom
- Minimum illumination of 0.005 Lux @ F1.6, and 0 Lux with illuminators on
- Built-in IR LED (up to 165 ft) and White LED (up to 100 ft)
- Auto Tracking Lite
- Intelligent Motion Detection for human and vehicle
- AI-based perimeter protection
- Face Detection supported
- Red and blue lights with sound alarm
- Built-in microSD card slot, up to 512 GB
- Power supply via 12 VDC or PoE+
- IP66

Specification

Camera

Image Sensor	1/2.8" 4Megapixel progressive CMOS
Max. Resolution	2560 (H) × 1440 (V)
Min. Illumination	Color: 0.005 lux@F1.6, B/W: 0.0005 lux@F1.6, 0 Lux with IR light on
E-shutter Speed	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	5x optical
Focal Length	2.7 mm~13.5 mm
Aperture	F1.6~F3.0
Field of View	H: 95°–30°, V: 51°–17°, D: 113°–35°
Close Focus Range	4.92 ft (1.5 m)
DORI	Detect: 886 ft (270.05 m) Observe: 350 ft (106.68 m) Recognize: 177 ft (53.95 m) Identify: 89 ft (27.13 m)
Illuminators	2 (IR LED) ,1(White LED)
Illumination Range	165 ft (50.3 m) (IR LED), 100 ft (30.5 m) (White LED)
Illuminator Control	Zoom Prio, Manual, Auto, Off
Power-off Memory	Supported

Video

Video Compression	H.265, H.264, MJPEG (Sub Stream 1)
Resolution	4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p(1280 × 720); D1 (704 × 576); VGA (640 × 480); CIF (352 × 288)
Frame Rate	Main stream: 4M/3M/1080p/1.3M/720p @(1–30 fps) Sub stream 1: D1/CIF/VGA@ (1–30 fps) Sub stream 2: 720p @(1–30 fps)
Video Stream	3 streams
Bit Rate Control	CBR, VBR
Video Bit Rate	H.264: 96 Kbps–14848 Kbps H265: 38 Kbps–8960 Kbps

ROI	Supported
Image Rotation	180°
Image Enhancement	BLC, HLC, 2D NR, 3D NR
Defog	Electronic
Image Stabilization	Electronic
Privacy Mask	Supported (24 areas with up to 8 areas in the same view)

PTZ

Range	Pan: 0°–355° endless Tilt: –15°to 90°
Pan Speed	Manual Control: 0.1°/s–36°/s Preset: 35.7°/s
Tilt Speed	Manual Control: 0.1°/s–25.8°/s Preset: 27.1°/s
Preset	300
Patrol	8
Scheduled Task	Preset, Tour

Intelligent Analysis

VCA (Video Content Analytics)	Crossing virtual fence, line crossing, intrusion, abandoned object, parking detection, aggregate detection, missing object, loitering detection, fast moving
iMD	Yes, support alarm triggered by vehicle and human
Face Detection	Supported
Auto Tracking	Auto Tracking Lite

Audio

Audio Compression	PCM, G.711a, G.711u
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Event

Basic Event	Motion Detection, Audio Detection, Video Tampering, Scene Changing, Alarm Configuration, No SD Card, Insufficient SD Card Space, SD Card Error, Network Offline, IP Conflict, Alarm Disarming, Alarm Subscription
Alarm Linkage	Video recording, Red & blue lights and sound alarm, Send email, Snapshot, Preset, Tour group

Network

Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, SMTP, NTP, DHCP, DNS, DDNS, IPv6, 802.1x, SSL, QoS, FTP, UPnP, SNMP, ARP, PPPoE, RTMP, Bonjour, NFS
Interoperability	ONVIF (Profile S & Profile G & Profile T), CGI, SDK, P2P
Storage	Micro SD card (512 GB), FTP, NAS
Web Browser	Edge 89 and later versions Chrome 41 and later versions Firefox 50 and later versions

Client	iOS, Android, Windows, Mac
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Interface

Network port	RJ-45 (10/100 Base-T)
Alarm I/O	1 input, 1 output
Audio I/O	1 input, 1 output

General

Power Supply	12 VDC/2A±10%, PoE+ (802.3at)
Power Consumption	Max. 15 W, Basic: 4.5 W
Operating Conditions	−40 °F to +158 °F (−40 °C to +70 °C)
Protection Grade	IP66
Certification	FCC
Safety	UL