



IP-4PT-5DZ45A

TitanIR PTZ

4MP 45x IR PTZ Camera

- Delivers Max. 4MP (2560 × 1440) output at 30 fps
- 1/2.8" 4-Megapixel STARVIS™ CMOS Sensor
- Delivers powerful 45x optical zoom
- Min. illumination of 0.005 Lux @ F1.6; 0 Lux with IR LED on
- Built-in IR LED, illuminating up to 492 ft
- H.265/H.264 flexible coding
- Featuring TitanTracking



- Intelligent Motion Detection focused on humans and vehicles
- iMD driven by AI algorithm
- Supports Face Detection
- Built-in microSD card slot, up to 512 GB
- 24V DC/PoE+ power supply
- IP67 and IK10 protection

SPECIFICATION

Camera

Image Sensor	1/2.8" 4Megapixel progressive CMOS
Max. Resolution	2560(H) x1440(V)
Min. Illumination	Color: 0.005 lux@F1.6, B/W: 0.0005 lux@F1.6, 0 Lux with IR light 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	45x optical
Focal Length	3.95 mm–177.75 mm
Aperture	F1.6–F4.95
Field of View	H: 65.7°–1.9°;V: 39.4°–1.1°;D: 73.1°–2.1°
Close Focus Range	0.33 ft–3.28 ft (0.1 m–1 m)
DORI	Detect: 258.53 ft – 11661.75 ft (78.8 m – 3554.5 m) Observe: 103.55 ft – 4665.35 ft (31.5 m – 1422 m) Recognize: 51.18 ft – 2332.02 ft (15.6 m –

	710.8 m)
	Identify: 24.61 ft – 1164.70 ft (7.5 m – 355 m)
Illuminator	4 (IR LED)
Illumination Range	492.13 ft (150 m)
Illuminator Control	Auto; manual;
Control Speed	Manual, Pan: 0.1°/s-250°/s; Tilt: 0.1°/s-140°/s
Power-off Memory	Yes

Video

Video Compression	H.265; H.264; MJPEG(Sub Stream 1);
Smart Codec	Supported
Resolution	3.5M (2560 × 1440); 3M (2048 × 1536); 2.9M(2304x1296);1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA(640x480);CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 3.5M/3M/2.9M/1080p/1.3M/720p (1–25/30 fps)Sub stream 1: D1/CIF (1–25/30 fps)Sub stream 2: 720p (1–25/30 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, 3D NR
Defog	Electronic
Image Stabilization	Electronic
Privacy Mask	Supported

PTZ

Range	Pan: 0°-360° endless, Tilt: -15°to 90°, auto flip 180°
Pan Speed	Manual Control: 0.1°/s-250°/s Preset: 250°/s
Tilt Speed	Manual Control: 0.1°/s-140°/s Preset: 140°/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; fast moving; parking detection; people gathering; human alarm
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classification; linkage tracking

Intelligent Motion Detection

Yes, support alarm triggered by vehicle and human

Face Detection

Supported

AiPick+

Supported

Deep Learning Function

People Counting; video metadata

TitanTracking

Supported

Audio

Built-in Mic

Not Supported

Built-in Speaker

Not 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; preset; tour; pattern; alarm digital output; audio; warning light

Network

Protocol

HTTP;HTTPS;TCP/IP;IPv4;RTSP;SMTP;NTP;DH



CP;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
Storage	microSD card (512 GB); FTP/SFTP; NAS
Web Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions
Client	IOS;Android

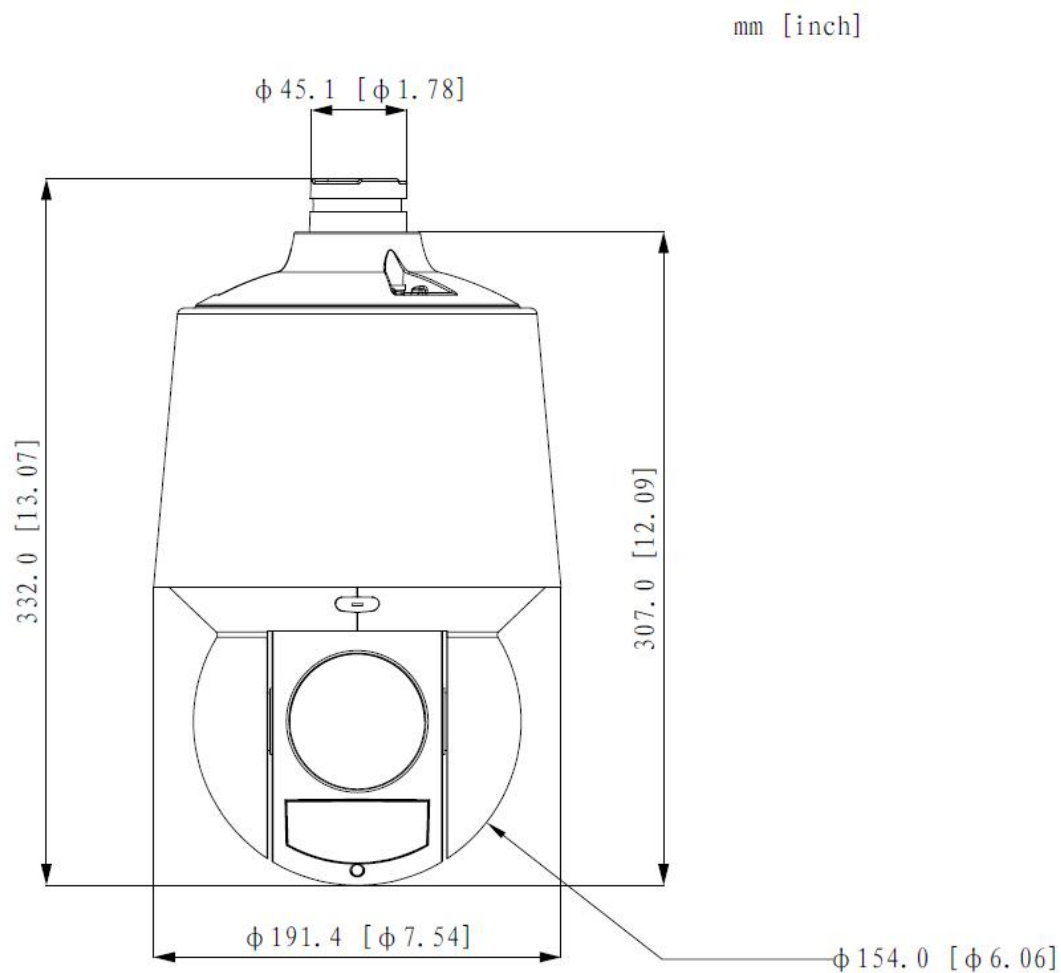
Interface

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

General

Power	24V DC/ PoE+ (802.3at)
Power Consumption	Max. 23 W
Material	Metal
Dimensions	Φ7.52" × 13.07" (Φ191 mm × 332 mm)
Operating Conditions	-40 °F to +158 °F (-40 °C to +70 °C)
Protection	IP67, IK10
Gross Weight	17.64 lb (8 kg)
Net Weight	10.36 lb (4.7 kg)
EMC	FCC, IC

Dimension



ACCESSORIES





A08

Mount Adapter



J10

Junction Box

W02

Wall Mount Bracket

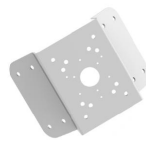


P01

Pole Mount Bracket

E02

Ceiling Mount Bracket



C01

Corner Mount Bracket

D01

IP66 Junction Box



R01

Parapet Mount Bracket