

SPRO[®]

DHIPPTZ40/25XLR-P-D

4MP+4MP 25x Optical Zoom Active Deterrence IP PTZ

**ACTIVE
DETERRENCE 2.0**

COLOURNIGHT 2.0
SMART DUAL ILLUMINATION

AI PRO
ARTIFICIAL
INTELLIGENCE



4 MEGAPIXEL



5 ~ 125 mm



100m IR



IP66



ONVIF

Key Features:

- Panorama: 1/2.8" 4 Megapixel F1.0 STARVIS CMOS
- Detail: 1/2.8" 4 Megapixel CMOS
- 25x optical zoom
- Max. 25/30fps@4M.
- Built-in 2/1 alarm in/out
- IR distance up to 100m (Smart IR)
- IP66

SPECIFICATIONS

Model Number	DHIPPTZ40/25XLR-P-D
Image Sensor	Panorama: 1/2.8" CMOS Detail: 1/2.8" CMOS
Pixel	Panorama: 4MP Detail: 4MP
Max. Resolution	Panorama: 2560 (H) × 1440 (V) Detail: 2560 (H) × 1440 (V)
ROM	Panorama: 4GB Detail: 4GB
RAM	Panorama: 1GB Detail: 1GB
Scanning System	Progressive
Electronic Shutter Speed	Panorama: 1/3s-1/100000s Detail: 1s-1/30000s
Scanning System	Progressive
Min. Illumination	Panorama: 0.001 lux@F1.0 (Colour, 30 IRE); 0.0005 lux@F1.0 (B/W, 30 IRE); 0 lux (illuminator on); Detail: 0.005 lux@F1.6 (Colour, 30 IRE); 0.0005 lux@F1.6 (B/W, 30 IRE); 0 lux (illuminator on)

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Illumination Distance	Panorama: 30 m (98.43 ft) (IR); 30 m (98.43 ft) (white light); Detail: 100 m (328.08 ft) (IR) 50 m (164.04 ft) (white light)
Illuminator On/Off Control	Panorama: Auto; Manual; Off; Detail: Zoom Prio; Auto; Manual; Off
Illuminator Number	Panorama: 2 (IR); 2 (white light) Detail: 2 (IR); 2 (dual light Fusion)
Lens	
Focal Length	Panorama: 2.8 mm Detail: 5 mm – 125 mm
Max. Aperture	Panorama: F1.0 Detail: F1.6 – F3.6
Field of View	Panorama: H: 101°; V: 53°; D: 120°; Detail: H: 51.9°–3.0°; V: 39.7°–2.2°; D: 63.1°–3.7°
Optical Zoom	Panorama: NA Detail: 25×
Focus Control	Auto; semi-auto; manual
Close Focus Distance	Panorama: 0.2 m (0.66 ft) Detail: 0.1 m–0.5 m (0.33 ft–1.64 ft)
DORI Distance	Detect: 2500 m (8202.10 ft) Observe: 987.5 m (3239.83 ft) Recognise: 500 m (1640.42 ft) Identify: 250 m (820.21 ft)
PTZ	
Pan/Tilt Range	Panorama: Tilt: 13° to 23°; Detail: Pan: 0° to 360° endless; Tilt: –15° to 90°, auto flip 180°
Manual Control Speed	Pan: 0.1°/s–200°/s Tilt: 0.1°/s–120°/s
Preset Speed	Pan: 240°/s Tilt: 200°/s
Preset	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Pattern; Preset; Scan; Tour
Intelligence	
IVS (Perimeter Protection)	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; linking the detail camera to track objects

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Auto Tracking	Yes
SMD	SMD 4.0
Quick Pick	Yes
Active Deterrence	
Light Warning	Red-blue light warning Flash duration: 5 s–30 s Flash frequency: high, medium, low
Sound Warning	Offers 11 sound alarms and supports importing custom sound alarms.
Video	
Video Compression	H.265; H.264B; H.264; H.264H; MJPEG(Sub Stream 1); smart H.265+; smart H.264+
Streaming Capability	3 streams
Resolution	Panorama: 4M (2560 × 1440); 3M (2048 × 1536); 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) Detail: 4M (2560 × 1440); 3M (2048 × 1536); 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)
Video Frame Rate	Main stream: 4 MP/3 MP/1080p/1.3 MP/720p@(1–25/30 fps) Sub stream 1: D1/CIF/VGA@(1–25/30 fps) Sub stream 2: 1080p/1.3 MP/720p@(1–25/30 fps)
Bit Rate Control	CBR/VBR
Video Bit Rate	H264: 96 Kbps–14848 Kbps H265: 38 Kbps–8960 Kbps
Day/Night	Auto (ICR) / Colour / B/W
BLC	Yes
WDR	120 dB
HLC	Yes
White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Gain Control	Auto; Manual

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Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Image Stabilisation	EIS
Defog	Electronic
Digital Zoom	16x
Image Rotation	180°
S/N Ratio	≥ 55 dB

Audio

Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723
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Network

Network Port	RJ-45 (10/100 Base-T)
Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP
Interoperability	ONVIF(Profile S&G&T);CGI;SDK
Streaming Method	Unicast / Multicast
User / Host	20 (total bandwidth: 64M)
Storage	Micro SD card (512GB): FTP / SFTP; NAS
Browser	IE 9 and later versions; Chrome 41 and later versions; Firefox 50 and later versions; Safari 10 and later versions
Management Software	DMSS
Mobile Client	iOS; Android

Certification

Certifications	CE: EN55032/EN55024/EN50130-4
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Port

Audio Input	1 channel (LINE IN, bare wire)
Audio Output	1 channel (LINE OUT, bare wire)
Alarm Input	2 (on-off value input: 0–5 VDC)
Alarm Output	1

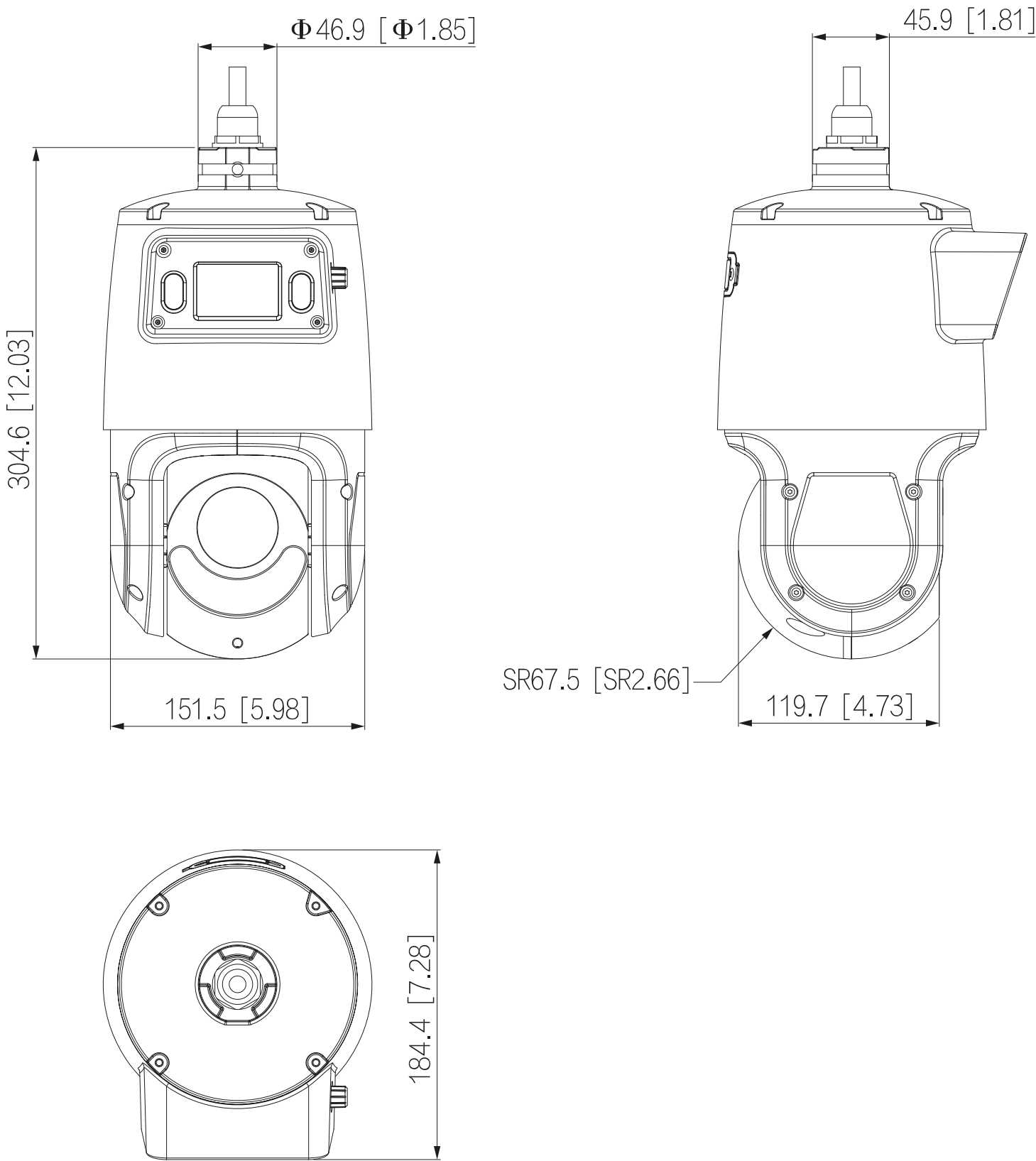
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Alarm Linkage	Capture; recording; send email; preset; tour; pattern; alarm digital input; audio; warning light
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection
Power	
Power Supply	12 VDC, 3 A $\pm$ 10%; PoE+ (802.3at)
Power Consumption	Basic: 12 W Max. (Basic power consumption + illuminator+sound and light warning +PTZ operation + Heater): 25 W (12 VDC)
Environment	
Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Operating Humidity	$\leq$ 95%
Protection	TVS 6000 V lightning proof;IP66; surge protection; voltage transient protection
Structure	
Product Dimensions	160.0 mm $\times$ 184.4 mm $\times$ 304.6 mm (6.30" $\times$ 7.26" $\times$ 11.99") (L $\times$ W $\times$ H)
Net Weight	3.41 kg (7.52 lb)

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Dimensions (mm[inch])



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