

SPRO[®]IP

DHIPPTZ40/10XLR-D

4MP IP PTZ Camera with AI Technology

**ACTIVE
DETERRENCE 2.0**

COLOUR NIGHT 2.0
SMART DUAL ILLUMINATION

TWOWAYAUDIO
(Microphone & Speaker Built-in)

AUDIO
OVER CAT5e CABLE

AI^{PRO}
ARTIFICIAL
INTELLIGENCE



4 MEGAPIXEL



70m IR



IP66



INTRUSION



TRIPWIRE



FACE DETECTION



SMD 3.0
Smart Motion Detection 3.0

STARLIGHT

**PERIMETER
PROTECTION**

WDR

ONVIF



Key Features:

- 4 megapixel @ 30fps
- 4 mm–40 mm (10x zoom)
- 355° pan rotation
- 0.1°/s–36° pan speed & 0.1°/s–25.8°/s tilt speed
- 300 presets
- Starlight technology
- AI PRO technology
- Tripwire & Intrusion
- Face detection
- Classification of human & vehicle
- SMD 3.0
- Red & Blue flash light / Alarm
- Full colour at night
- IR distance: up to 70m
- Warm light: up to 30m
- Speaker built-in
- Alarm in: 1
- Alarm out: 1
- Audio: 1in/1out
- IP66 waterproof
- DC 12V 2A/POE PLUS



SPECIFICATIONS

Model Number	DHIPPTZ40/10XLR-D
Image Sensor	1/2.8" CMOS
Pixel	4 MP
Max. Resolution	2560 (H) × 1440 (V)
ROM	128 MB
RAM	512 MB

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Scanning System	Progressive
Electronic Shutter Speed	1/1 s–1/30,000 s
Min. Illumination	Colour: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux (IR light on)
Illumination Distance	70 m (229.66 ft) (IR); 30 m (98.43 ft) (Warm light)
Illuminator On/Off Control	Zoom Prio; Manual; Auto; Off
Illuminator Number	2 (IR) 2 (Warm light) 1 (Red light) 1 (Blue light)

Lens

Lens Type	4 mm–40 mm
Max. Aperture	F1.6 – F3.0
Field of View	H: 50.7°–11.0°; V: 27.6°–6.3°; D: 57.6°–12.5°
Optical Zoom	10x
Focus Control	Auto; semi-auto; manual
Close Focus Distance	1m – 1.5 m (3.28 ft–4.92 ft)
Iris Control	Fixed
DORI Distance	Detect: 800 m (2624.67 ft) Observe: 316 m (1036.75 ft) Recognise: 160 m (524.93 ft) Identify: 80 m (262.47 ft)

PTZ

Pan/Tilt Range	Pan: 0° to 355°; Tilt: –15° to +90°
Manual Control Speed	Pan: 0.1°/s–27.31°/s; Tilt: 0.1°/s–19.30°/s
Preset Speed	Pan: 24.32°/s; Tilt: 18.75°/s
Preset	300
Power-off Memory	Yes
Idle Motion	Preset

Intelligence	
IVS (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; linkage tracking (people)
Face Detection	Supports face detection, snapshot, and face enhancement; Supports face cutout: Face, one-inch photo; Capturing strategies include real-time capturing and quality first
Auto Tracking Lite	Yes
SMD	Yes
Active Deterrence	
Light Warning	Red and blue light warning Flash duration: 5 s–30 s Flash frequency: high, medium, low
Sound Warning	Offers 11 types of sound alarms, and supports importing up to 10 custom sound alarms. The sound alarm can be set to play 1 to 10 times
Video	
Video Compression	H.264H;H.264B;Smart H.265+; H.264;H.265;MJPEG(Sub Stream); Smart H.264+
Streaming Capability	3 streams
Resolution	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)
Video Frame Rate	Main stream: 4M/3M/1080p/1.3M/720p @(1–25/30 fps) Sub stream 1: D1/VGA/CIF@ (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1–25/30 fps)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 96 kbps–14848 kbps H.265: 38 kbps–8960 kbps
Day/Night	Auto(ICR) / Colour / B/W
BLC	Yes
WDR	120 dB
HLC	Yes

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White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Gain Control	Auto; Manual
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Image Stabilisation	Electronic (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; G.722.1
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Network

Network Port	RJ-45 (10/100 Base-T)
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; SSL; QoS; FTP; UPnP; ICMP; SNMP; IGMP; ARP; RTCP; RTP; PPPoE; RTMP; Bonjour; SMB; NFS
Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI; SDK; P2P
Streaming Method	Unicast / Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	FTP / SFTP; Micro SD card (512 GB); 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,built-in mic (mutually exclusive))
Audio Output	1 channel (LINE OUT,bare wire;built-in speaker (mutually exclusive))
Alarm Linkage	Capture; recording; send email; preset; 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
Alarm I/O	1/1
Audio I/O	1/1
Power	
Power Supply	12 VDC, 2 A $\pm$ 10%; PoE+ (802.3at)
Power Consumption	Basic: 3 W Max.: 12 W (Warning light + illuminator + PTZ + speaker + heating glass) (12 VDC) Basic: 4 W Max.: 14 W (Warning light + illuminator + PTZ + speaker + heating glass) (PoE)
Environment	
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	$\leq$ 95%
Protection	IP66; TVS 2000 V lightning proof; surge protection; voltage transient protection
Structure	
Product Dimensions	142.6 mm $\times$ 151.8 mm $\times$ 236.2 mm (5.61" $\times$ 5.98" $\times$ 9.30 ") (L $\times$ W $\times$ H)
net Weight	1.58 kg (3.48 lb)
Gross Weight	2 kg (4.41 lb)

Dimensions (mm[inch])

