

**SPRO**<sup>®</sup>**IP**

# DHIPPTZ40/10XLR-D

4MP IP PTZ Camera with AI Technology

**ACTIVE DETERRENCE 2.0**

**COLOUR NIGHT 2.0**

SMART DUAL ILLUMINATION



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

### Lens

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

### PTZ

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

Intelligence	
<b>IVS (Perimeter Protection)</b>	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; linkage tracking (people)
<b>Face Detection</b>	Supports face detection, snapshot, and face enhancement; Supports face cutout: Face, one-inch photo; Capturing strategies include real-time capturing and quality first
<b>Auto Tracking Lite</b>	Yes
<b>SMD</b>	Yes
Active Deterrence	
<b>Light Warning</b>	Red and blue light warning Flash duration: 5 s–30 s Flash frequency: high, medium, low
<b>Sound Warning</b>	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	
<b>Video Compression</b>	H.264H;H.264B;Smart H.265+; H.264;H.265;MJPEG(Sub Stream); Smart H.264+
<b>Streaming Capability</b>	3 streams
<b>Resolution</b>	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)
<b>Video Frame Rate</b>	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)
<b>Bit Rate Control</b>	CBR/VBR
<b>Video Bit Rate</b>	H.264: 96 kbps–14848 kbps H.265: 38 kbps–8960 kbps
<b>Day/Night</b>	Auto(ICR) / Colour / B/W
<b>BLC</b>	Yes
<b>WDR</b>	120 dB
<b>HLC</b>	Yes

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<b>White Balance</b>	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
<b>Gain Control</b>	Auto; Manual
<b>Noise Reduction</b>	2D NR; 3D NR
<b>Motion Detection</b>	Yes
<b>Region of Interest (RoI)</b>	Yes
<b>Image Stabilisation</b>	Electronic (EIS)
<b>Defog</b>	Electronic
<b>Digital Zoom</b>	16x
<b>Image Rotation</b>	180°
<b>S/N Ratio</b>	≥55 dB

## Audio

**Audio Compression** PCM; G.711a; G.711Mu; G.726; MPEG2\_Layer2; G.722.1

## Network

<b>Network Port</b>	RJ-45 (10/100 Base-T)
<b>Network Protocol</b>	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
<b>Interoperability</b>	ONVIF (Profile S & Profile G & Profile T); CGI; SDK; P2P
<b>Streaming Method</b>	Unicast / Multicast
<b>User/Host</b>	20 (total bandwidth: 64 M)
<b>Storage</b>	FTP / SFTP; Micro SD card (512 GB); NAS
<b>Browser</b>	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions
<b>Management Software</b>	DMSS
<b>Mobile Client</b>	iOS; Android

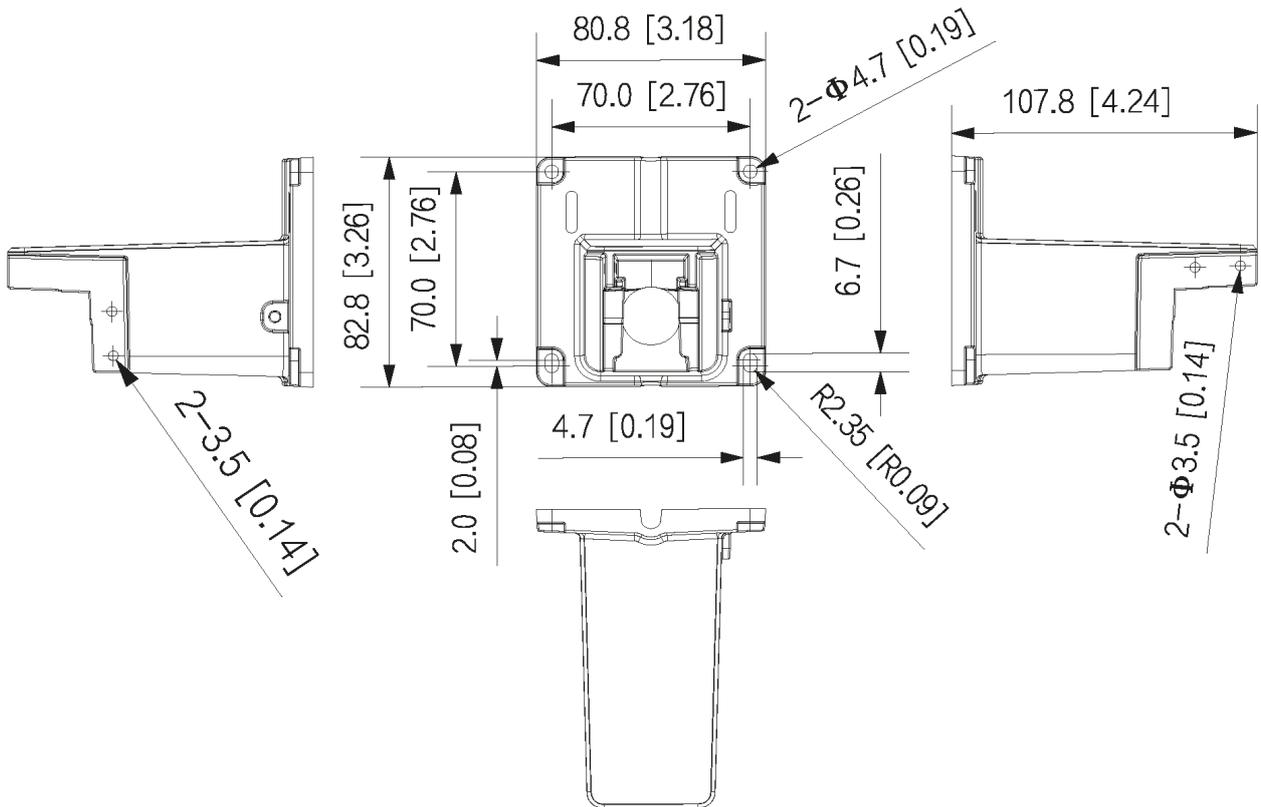
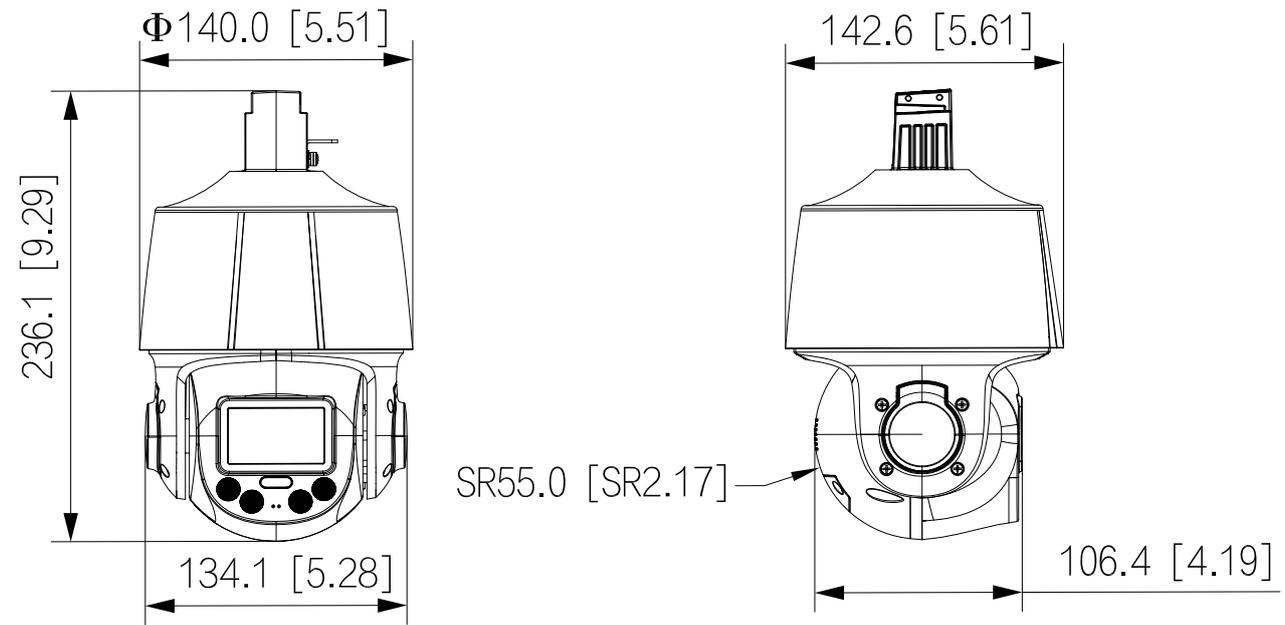
## Certification

**Certifications** CE: EN55032/EN55024/EN50130-4

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Port	
<b>Audio Input</b>	1 channel (LINE IN, bare wire,built-in mic (mutually exclusive))
<b>Audio Output</b>	1 channel (LINE OUT,bare wire;built-in speaker (mutually exclusive))
<b>Alarm Linkage</b>	Capture; recording; send email; preset; alarm digital input; audio; warning light
<b>Alarm Event</b>	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection
<b>Alarm I/O</b>	1/1
<b>Audio I/O</b>	1/1
Power	
<b>Power Supply</b>	12 VDC, 2 A $\pm$ 10%; PoE+ (802.3at)
<b>Power Consumption</b>	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	
<b>Operating Temperature</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Operating Humidity</b>	$\leq$ 95%
<b>Protection</b>	IP66; TVS 2000 V lightning proof; surge protection; voltage transient protection
Structure	
<b>Product Dimensions</b>	142.6 mm $\times$ 151.8 mm $\times$ 236.2 mm (5.61" $\times$ 5.98" $\times$ 9.30") (L $\times$ W $\times$ H)
<b>net Weight</b>	1.58 kg (3.48 lb)
<b>Gross Weight</b>	2 kg (4.41 lb)

Dimensions (mm[inch])



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