

**SPRO**<sup>®</sup>**IP**

# DHIPPTZ40/10XLR-DUO

4+2x4MP Duo Panoramic IP PTZ Camera with  
Active Deterrence 2.0, 10x Zoom



**ACTIVE DETERRENCE 2.0**

**COLOUR NIGHT 2.0**  
SMART DUAL ILLUMINATION

**TWO WAY AUDIO**  
(Microphone & Speaker Built-in)

**AI PRO**  
ARTIFICIAL INTELLIGENCE



**STARLIGHT**

**PERIMETER PROTECTION**

**WDR**

**AUDIO**  
OVER CAT5e CABLE

**ONVIF**

## Key Features:

- Panorama: 2 x 4 megapixel @ 25fps
- Detail: 4 megapixel @ 25fps
- Panorama: 2.8mm
- Detail: 4 mm–40 mm (10x optical zoom)
- 345° pan rotation
- H: 0.1°–80°/s; V: 0.1°–50°/s
- 300 presets
- Starlight technology
- AI PRO technology
- Tripwire & intrusion
- Face detection
- Classification of human & vehicle
- SMD 4.0
- Red & Blue flash light / alarm
- Full colour at night
- IR distance: P: up to 30m; D: up to 70m
- White light: up to 30m
- Microphone & speaker built-in
- Alarm tracking (human only)
- IP66 waterproof
- DC12 V, 3 A/POE PLUS



## SPECIFICATIONS

<b>Model Number</b>	DHIPPTZ40/10XLR-DUO
<b>Image Sensor</b>	<b>Panoramic:</b> 1/2.8" CMOS; <b>Detail:</b> 1/2.8" CMOS
<b>Pixel</b>	<b>Panoramic:</b> 4+4 MP; <b>Detail:</b> 4 MP
<b>Max. Resolution</b>	<b>Panoramic:</b> 5376(H) × 1520(V); <b>Detail:</b> 2560(H) × 1440(V)
<b>ROM</b>	<b>Panoramic:</b> 4GB; <b>Detail:</b> 4GB
<b>RAM</b>	<b>Panoramic:</b> 2GB; <b>Detail:</b> 1GB

(continued)

<b>Scanning System</b>	Progressive
<b>Electronic Shutter Speed</b>	<b>Panoramic:</b> 1 s–1/100,000 s; <b>Detail:</b> 1 s–1/30,000 s
<b>Min. Illumination</b>	<p><b>Panoramic:</b></p> <p>0.005 lux@F1.6 (Colour, 30 IRE);</p> <p>0.0005 lux@F1.6 (B/W, 30 IRE);</p> <p>0 lux (illuminator on)</p> <p><b>Detail:</b></p> <p>1 s–1/30,000 s</p> <p>0.005 lux@F1.6 (Colour, 30 IRE);</p> <p>0.0005 lux@F1.6 (B/W, 30 IRE);</p> <p>0 lux (illuminator on)</p>
<b>Illumination Distance</b>	<p><b>Panoramic:</b></p> <p>30 m (98.43 ft) (IR);</p> <p>30 m (98.43 ft) (white light)</p> <p><b>Detail:</b></p> <p>70 m (229.66 ft);</p> <p>30 m (98.43 ft) (white light)</p>
<b>Illuminator On/Off Control</b>	<p><b>Panoramic:</b> Manual; Auto; Off</p> <p><b>Detail:</b> Zoom Prio; Manual; Auto; Off</p>
<b>Illuminator Number</b>	<p><b>Panoramic:</b> 2 (IR light); 2 (white light);</p> <p><b>Detail:</b> 2 (Dual light fusion); 2 (IR light)</p>
<b>Lens</b>	
<b>Focal Length</b>	<b>Panoramic:</b> 2.8 mm; <b>Detail:</b> 4 mm–40 mm
<b>Max. Aperture</b>	<b>Panoramic:</b> F1.6; <b>Detail:</b> F1.6-F3.6
<b>Field of View</b>	<p><b>Panoramic:</b> H: 180°; V: 47°;</p> <p><b>Detail:</b> H: 58°–11.3°; V: 33.1°–6.4°; D: 66.4°–12.8°</p>
<b>Optical Zoom</b>	<b>Panoramic:</b> NA; <b>Detail:</b> 10×
<b>Focus Control</b>	Auto; manual; semi-auto
<b>Close Focus Distance</b>	<b>Panoramic:</b> 0.6 m (1.97 ft); <b>Detail:</b> 0.1 m–0.5 m (0.33 ft–1.64 ft)
<b>Iris Control</b>	<b>Panoramic:</b> N/A ; <b>Detail:</b> N/A

<b>DORI Distance</b>	<b>Detect:</b> 500 m (1640.42 ft)
	<b>Observe:</b> 197.5 m (647.97 ft)
	<b>Recognise:</b> 100 m (328.08 ft)
	<b>Identify:</b> 50 m (164.04 ft)

**PTZ**

<b>Pan / Tilt Range</b>	<b>Pan:</b> 0° to 345°; <b>Tilt:</b> -10° to +90°
<b>Manual Control Speed</b>	<b>Panoramic:</b> NA; <b>Detail:</b> H: 0.1°–80°/s; V: 0.1°–50°/s
<b>Preset Speed</b>	<b>H:</b> 80°/s; <b>V:</b> 50°/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; human/vehicle alarm classification; linkage tracking (only for people)
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<b>Face Detection</b>	<b>Detail:</b> Supports face detection, optimisation, capturing pictures, uploading high-quality face snapshots and enhancing face images. Attribute Extraction is also supported, where 6 attributes and 8 expressions can be detected. Face cutout is also offered, where you can cutout one face at a time and customise the size to be a one-inch photo. The supported methods for capturing snapshots are realtime capturing, quality first, and selecting a preferred image among a group of snapshots.
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<b>SMD</b>	SMD 4.0
<b>Alarm Tracking</b>	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 sound alarm and 10 custom sound alarms can be imported.  
Sound can be set from 0%–100%.  
Play times can be set from 1-10

## Video

### Video Compression

H.264H; H.264B; Smart H.265+; H.265; Smart H.264+;  
H.264M; MJPEG (Sub Stream 1)

### Streaming Capability

3 streams

### Resolution

**Panoramic:** 5376 × 1520;  
**Detail:** 2560 × 1440; 3M (2304 × 1296); 1080p (1920 × 1080);  
1280 × 960 (1.3M); 720p (1280 × 720); D1 (704 × 576/704 × 480);  
CIF (352 × 288/352 × 240)

### Video Frame Rate

**Panoramic:**  
Main stream: 5376 × 1520 @(1–25/30 fps)  
Sub stream 1: 1344 × 368/D1/VGA/CIF@ (1–25 fps)  
Sub stream 2: 2688 × 752/1080p/1.3M/720p @(1–25fps);  
**Detail:**  
Main stream: 4M/3M/1080p/1.3M/720p @(1–25fps)  
Sub stream 1: D1/VGA/CIF@ (1–25 fps)  
Sub stream 2: 1080p/1.3M/720p/ @(1–25 fps)

### Bit Rate Control

CBR/VBR

### Video Bit Rate

**Panoramic:** H264: 128 kbps–16,384 kbps H265: 51 kbps–13,312 kbps;  
**Detail:** H264: 96 kbps–16,384 kbps H265: 38 kbps–10,240 kbps

<b>Day/ Night</b>	<b>Panoramic:</b> Auto; Colour; B/W; <b>Detail:</b> Auto; Colour; B/W; Electronic
<b>BLC</b>	Yes
<b>WDR</b>	<b>Panoramic:</b> DWDR; <b>Detail:</b> 120 dB
<b>HLC</b>	Yes
<b>White Balance</b>	<b>Panoramic:</b> Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp <b>Detail:</b> Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
<b>Gain Control</b>	<b>Panoramic:</b> Auto; manual; gain prio <b>Detail:</b> Auto; manual; gain prio
<b>Noise Reduction</b>	<b>Panoramic:</b> 2D NR; 3D NR <b>Detail:</b> 2D NR; 3D NR
<b>Motion Detection</b>	Yes
<b>Region of Interest (RoI)</b>	Yes
<b>Image Stabilisation</b>	<b>Panoramic:</b> N/A <b>Detail:</b> Electronic Image Stabilisation (EIS)
<b>Defog</b>	<b>Panoramic:</b> Electronic <b>Detail:</b> Electronic
<b>Digital Zoom</b>	<b>Panoramic:</b> N/A <b>Detail:</b> 16x
<b>Image Rotation</b>	<b>Panoramic:</b> N/A <b>Detail:</b> 180°
<b>S/N Ratio</b>	<b>Panoramic:</b> ≥55dB <b>Detail:</b> ≥55dB
<b>Audio</b>	
<b>Audio Compression</b>	<b>Panoramic:</b> PCM, G.711A, G.711Mu, G.726, MPEG2-Layer2, G.722.1, G.729; <b>Detail:</b> N/A
<b>Network</b>	
<b>Network Port</b>	RJ-45 (100 Base-T)
<b>Network Protocol</b>	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; QoS; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; RTSP; ARP
<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>	Micro SD card (512 GB); FTP/SFTP; NAS

<b>Browser</b>	web5.0: 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
<b>Certification</b>	
<b>Certifications</b>	CE: EN55032/EN55035/IEC61000-3-2/IEC61000-3-3/ EN62368-1/IEC62471
<b>Port</b>	
<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 Input</b>	1 (on-off value input: 0–5 VDC)
<b>Alarm Output</b>	1 channel
<b>Alarm Linkage</b>	Capture; recording; send email; preset; alarm digital output; audio; warning light
<b>Alarm Event</b>	Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection
<b>Power</b>	
<b>Power Supply</b>	12 VDC, 3 A $\pm$ 10%PoE+(802.3at)
<b>Power Consumption</b>	Basic: 12 W; Max: 25 W (illuminator + heating glass + siren and light active deterrence + PTZ)
<b>Environment</b>	
<b>Operating Temperature</b>	–30 °C to +60 °C (–22 °F to +140 °F)
<b>Operating Humidity</b>	$\leq$ 95%
<b>Protection</b>	TVS 6000 V lightning proof; IP66; surge protection; voltage transient protection

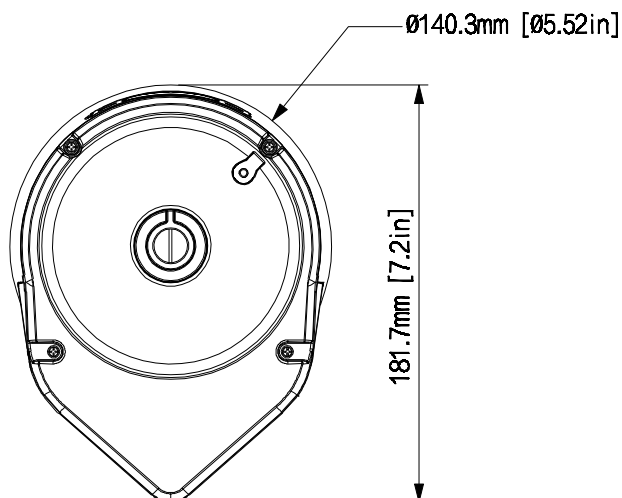
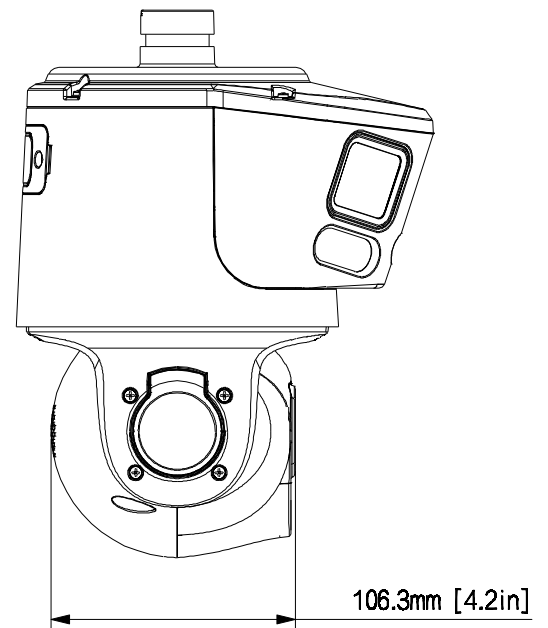
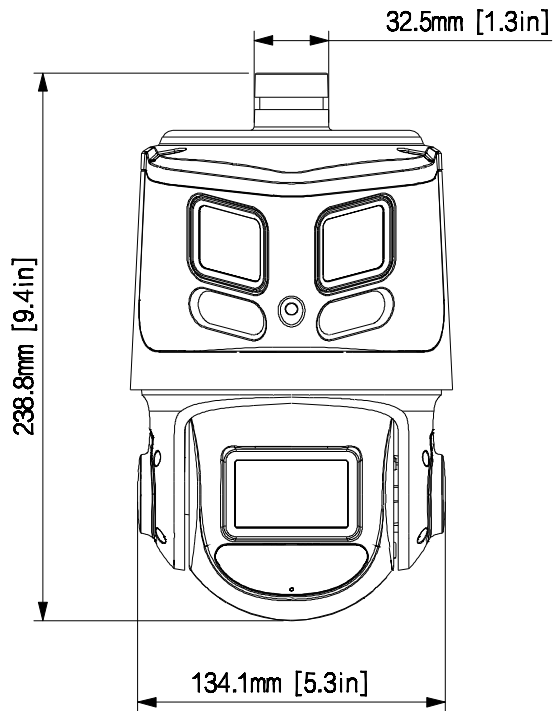
## Structure

**Product Dimensions** 140.3 mm × 181.7 mm × 238.8 mm (5.52" × 7.15" × 9.40") (L × W × H)

**Net Weight** 2.17 kg (4.78 lb)

**Gross Weight** 3.1 kg (6.83 lb)

### Dimensions (mm[inch])



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