

SPRO[®]IP

DHIPPTZ40/10XLR-DUO

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

ACTIVE
DETERRENCE **2.0**

COLOURNIGHT 2.0
SMART DUAL ILLUMINATION

TWOWAYAUDIO
(Microphone & Speaker Built-in)

AI PRO
ARTIFICIAL
INTELLIGENCE



STARLIGHT

**PERIMETER
PROTECTION**

WDR

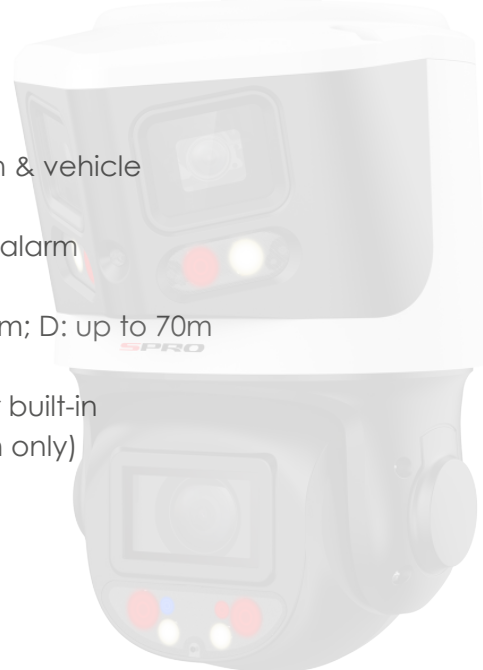
AUDIO
OVER CAT5e CABLE

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

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

(continued)

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

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

PTZ

Pan / Tilt Range	Pan: 0° to 345°; Tilt: -10° to +90°
Manual Control Speed	Panoramic: NA; Detail: H: 0.1°–80°/s; V: 0.1°–50°/s
Preset Speed	H: 80°/s; V: 50°/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; human/vehicle alarm classification; linkage tracking (only for people)
Face Detection	Detail: 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.
SMD	SMD 4.0
Alarm Tracking	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

Day/ Night	Panoramic: Auto; Colour; B/W; Detail: Auto; Colour; B/W; Electronic
BLC	Yes
WDR	Panoramic: DWDR; Detail: 120 dB
HLC	Yes
White Balance	Panoramic: Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp Detail: Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Gain Control	Panoramic: Auto; manual; gain prio Detail: Auto; manual; gain prio
Noise Reduction	Panoramic: 2D NR; 3D NR Detail: 2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Image Stabilisation	Panoramic: N/A Detail: Electronic Image Stabilisation (EIS)
Defog	Panoramic: Electronic Detail: Electronic
Digital Zoom	Panoramic: N/A Detail: 16x
Image Rotation	Panoramic: N/A Detail: 180°
S/N Ratio	Panoramic: ≥55dB Detail: ≥55dB
Audio	
Audio Compression	Panoramic: PCM, G.711A, G.711Mu, G.726, MPEG2-Layer2, G.722.1, G.729; Detail: N/A
Network	
Network Port	RJ-45 (100 Base-T)
Network Protocol	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
Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI; SDK; P2P
Streaming Method	Unicast/Multicast
User / Host	20 (total bandwidth: 64 M)
Storage	Micro SD card (512 GB); FTP/SFTP; NAS

Browser	web5.0: 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/EN55035/IEC61000-3-2/IEC61000-3-3/ EN62368-1/IEC62471
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 Input	1 (on-off value input: 0–5 VDC)
Alarm Output	1 channel
Alarm Linkage	Capture; recording; send email; preset; alarm digital output; audio; warning light
Alarm Event	Motion/tampering 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: 25 W (illuminator + heating glass + siren and light active deterrence + PTZ)
Environment	
Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Operating Humidity	≤95%
Protection	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])

