

# 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             | <b>Panorama:</b> 1/2.8" CMOS   <b>Detail:</b> 1/2.8" CMOS                                                                                                                                                               |
| Pixel                    | <b>Panorama:</b> 4MP   <b>Detail:</b> 4MP                                                                                                                                                                               |
| Max. Resolution          | <b>Panorama:</b> 2560 (H) × 1440 (V)   <b>Detail:</b> 2560 (H) × 1440 (V)                                                                                                                                               |
| ROM                      | <b>Panorama:</b> 4GB   <b>Detail:</b> 4GB                                                                                                                                                                               |
| RAM                      | <b>Panorama:</b> 1GB   <b>Detail:</b> 1GB                                                                                                                                                                               |
| Scanning System          | Progressive                                                                                                                                                                                                             |
| Electronic Shutter Speed | <b>Panorama:</b> 1/3s-1/100000s   <b>Detail:</b> 1s-1/30000s                                                                                                                                                            |
| Scanning System          | Progressive                                                                                                                                                                                                             |
| Min. Illumination        | <b>Panorama:</b> 0.001 lux@F1.0 (Colour, 30 IRE);<br>0.0005 lux@F1.0 (B/W, 30 IRE); 0 lux (illuminator on);<br><b>Detail:</b> 0.005 lux@F1.6 (Colour, 30 IRE);<br>0.0005 lux@F1.6 (B/W, 30 IRE); 0 lux (illuminator on) |

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

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| <b>Auto Tracking</b>        | Yes                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>SMD</b>                  | SMD 4.0                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Quick Pick</b>           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Active Deterrence</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Light Warning</b>        | Red-blue light warning<br>Flash duration: 5 s–30 s<br>Flash frequency: high, medium, low                                                                                                                                                                                                                                                                                                                                         |
| <b>Sound Warning</b>        | Offers 11 sound alarms and supports importing custom sound alarms.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Video</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Video Compression</b>    | H.265; H.264B; H.264; H.264H; MJPEG(Sub Stream 1);<br>smart H.265+; smart H.264+                                                                                                                                                                                                                                                                                                                                                 |
| <b>Streaming Capability</b> | 3 streams                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Resolution</b>           | <b>Panorama:</b><br>4M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296);<br>1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720);<br>D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)<br><b>Detail:</b><br>4M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296);<br>1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720);<br>D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240) |
| <b>Video Frame Rate</b>     | <b>Main stream:</b> 4 MP/3 MP/1080p/1.3 MP/720p@(1–25/30 fps)<br><b>Sub stream 1:</b> D1/CIF/VGA@(1–25/30 fps)<br><b>Sub stream 2:</b> 1080p/1.3 MP/720p@(1–25/30 fps)                                                                                                                                                                                                                                                           |
| <b>Bit Rate Control</b>     | CBR/VBR                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Video Bit Rate</b>       | <b>H264:</b> 96 Kbps–14848 Kbps<br><b>H265:</b> 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                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>White Balance</b>        | Auto; indoor; outdoor; tracking; manual; sodium lamp;<br>natural light; street lamp                                                                                                                                                                                                                                                                                                                                              |
| <b>Gain Control</b>         | Auto; Manual                                                                                                                                                                                                                                                                                                                                                                                                                     |

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

## Audio

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Audio Compression</b> | PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 |
|--------------------------|---------------------------------------------------------------|

## Network

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

## Certification

|                       |                               |
|-----------------------|-------------------------------|
| <b>Certifications</b> | CE: EN55032/EN55024/EN50130-4 |
|-----------------------|-------------------------------|

## Port

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

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

Dimensions (mm[inch])

