

**SPRO**<sup>®</sup>**IP****STARLIGHT**

# DHIPPTZ80/25XR-AI

8MP Alarm Tracking IP PTZ  
With AI-PRO Technology



8 MEGAPIXEL



5.4 ~ 135 MM



150m IR



300 PRESETS



IP67

**WDR**  
**ONVIF**

## Key Features:

- 5.4-135mm (25X optical zoom)
- Max. 25/30fps@8MP(3840 × 2160)
- Up to 150m IR distance
- Multiple network monitoring: Web viewer & CMS(SPRO CSS)
- Max 300°/s pan speed & 200°/s tilt speed
- Up to 300 presets, 8 tours & 5 patterns
- 2 alarm in & 1 alarm out
- Human & vehicle classification
- IP67
- AC 24V/3A ± 25% / PoE+
- Wall bracket included



## SPECIFICATIONS

Model Number	DHIPPTZ80/25XR-AI
Image Sensor	1/1.8" STARVIS™ CMOS
Effective Pixels	3840 (H) × 2160 (V)
ROM	8 GB
RAM	2 GB
Electronic Shutter Speed	1/1 s–1/30000 s
Scanning System	Progressive
Min. Illumination	Color: 0.005 Lux@F1.6 B/W: 0.0005 Lux@F1.6 0 Lux (IR light on)

(continued)

<b>Illumination Distance</b>	150 m (492.13 ft)
<b>Illuminator On/Off Control</b>	Zoom Prio/ Manual/ SmartIR
<b>Illuminator Number</b>	4 (IR Light)
<b>Lens</b>	
<b>Focal Length</b>	5.4 mm–135 mm
<b>Max Aperture</b>	F1.6–F4.0
<b>Field of View</b>	H: 61.6°–3.6°; V: 35.7°–2°; D: 66.6°–4°
<b>Optical Zoom</b>	25x
<b>Focus Control</b>	Auto/ Semi-Auto/ Manual
<b>Close Focus Distance</b>	0.5 m–7 m (1.64 ft–22.97 ft)
<b>Iris Control</b>	Auto/ Manual
<b>DORI Distance</b>	Detect: 2700m-Observe: 1066m-Recognize: 540m-Identify: 270m
<b>PTZ</b>	
<b>Pan/Tilt Range</b>	Pan: 0°–360° endless, Tilt: –15° to +90°, auto flip 180
<b>Manual Control Speed</b>	Pan: 0.1°/s–300°/s, Tilt: 0.1°/s–200°/s
<b>Preset Speed</b>	Pan: 400°/s, Tilt: 300°/s
<b>Presets</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>	Support
<b>Idle Motion</b>	Preset/ Tour/ Pattern/ Scanning
<b>Protocol</b>	DH-SD, Pelco-P/D (auto recognition)
<b>General Intelligence</b>	
<b>Event Trigger</b>	Motion detection, video tampering, scene changing, Network disconnection, IP address conflict, illegal access, and storage anomaly.
<b>IVS</b>	Object Abandoned/Missing
<b>Artificial Intelligence</b>	
<b>Auto tracking</b>	Support
<b>Perimeter Protection</b>	Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.

## Video

<b>Compression</b>	H.265+; H.265; H.264+; H.264; MJPEG (sub stream)
<b>Streaming Capability</b>	3 streams
<b>Resolution</b>	4K (3840 x 2160); 1080P (1920 × 1080); 1.3M (1280 x 960); 720P (1280 × 720); D1 (704 × 576); CIF (352 × 288)
<b>Frame Rate</b>	Main stream: 8M/1080P/1.3M/720P (1–25/30 fps) Sub stream 1: D1/CIF (1–25/30 fps) Sub stream 2: 1080P/1.3M/720P (1–25/30 fps), D1/CIF (1–25/30 fps)
<b>Bit Rate Control</b>	Variable/ constant
<b>Bit Rate</b>	H.264/H.265: 32 kbps–8192 kbps
<b>Day/Night</b>	Auto (ICR)/Color/B/W
<b>BLC</b>	Support
<b>WDR</b>	120 dB
<b>HLC</b>	Support
<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/3D
<b>Motion Detection</b>	Support
<b>Region of Interest (RoI)</b>	Support
<b>Image Stabilization</b>	Electronic
<b>Defog</b>	Support
<b>Digital Zoom</b>	16x
<b>Flip</b>	180°
<b>Privacy Masking</b>	Up to 24 areas, and up to 8 areas in the same view
<b>S/N Ratio</b>	≥ 56 dB

## Audio

<b>Compression</b>	G.711A; G.711Mu; G.726; AAC; G.722.1; G.723; G.729; PCM; MPEG2-Layer2
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## Network

<b>Ethernet</b>	RJ-45 (10/100Base-T)
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<b>Protocol</b>	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMPv1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP
<b>Interoperability</b>	ONVIF Profile S&G&T; CGI
<b>Streaming Method</b>	Unicast/ Multicast
<b>User/Host</b>	20 (total bandwidth 64M)
<b>Storage</b>	FTP; Micro SD card (256G); NAS
<b>Browser</b>	IE7 and later versions / Chrome 42 and earlier versions Firefox 52 and earlier versions / Safari
<b>Management Software</b>	SPRO CSS
<b>Mobile Phone</b>	iPhone, iPad & Android

#### Certification

<b>Certifications</b>	CE: EN55032/EN55024/EN50130-4, FCC: Part15 subpartB,ANSI C63.4- 2014 UL:UL60950-1+CAN/CSA C22.2, No.60950-1
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#### Port

<b>Audio Input</b>	1 (LINE IN; bare wire)
<b>Audio Output</b>	1 (LINE OUT; bare wire)
<b>Alarm I/O</b>	2/1

#### General

<b>Power Supply</b>	AC 24V/3A $\pm$ 25% (standard), PoE+ (802.3at)
<b>Power Consumption</b>	Basic: 11W, Max: 20W (PTZ pan/tilt, IR on )
<b>Operating Temperature</b>	-40°C to +70°C (-40°F to +158°F)
<b>Operating Humidity</b>	$\leq$ 95%RH
<b>Protection</b>	IP67; IK10; 6000V lightning proof; surge protection; voltage transient protection
<b>Casing</b>	Metal
<b>Dimensions</b>	$\Phi$ 190 mm×332 mm
<b>Net Weight</b>	4.7 kg
<b>Gross Weight</b>	8 kg

