

SPRO^{IP}

STARLIGHT

DHIPPTZ20/25XR-AI-V2

2MP Alarm Tracking IP PTZ
With AI-PRO Technology



WDR



2 MEGAPIXEL



4.8 ~ 120 MM



150m IR



300 PRESETS



IP67



Key Features:

- 4.8-120mm (25X optical zoom)
- Max. 25/30 fps@2M
- 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
- AC24V/3A±25% / POE+
- Wall bracket included



SPECIFICATIONS

Model Number	DHIPPTZ20/25XR-AI-V2
Image Sensor	1/2.8" CMOS
Effective Pixels	1920 (H) × 1080 (V)
ROM	4 GB
RAM	1 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)

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Illumination Distance	150 m (492.13 ft) (IR)
Illuminator On/Off Control	Zoom Prio/Manual/Smart IR
Illuminator Number	4 (IR)

Lens

Focal Length	4.8 mm–120 mm
Max Aperture	F1.6–F3.5
Field of View	H: 58.5°–2.8°; V: 33.2°–1.5°; D: 67.5°–3.2°
Optical Zoom	25x
Focus Control	Auto/ Semi-Auto/ Manual
Close Focus Distance	0.1 m–1.5 m (0.33 ft–4.92 ft)
Iris Control	Auto/ Manual
DORI Distance	Detect: 1614m; Observe: 646m; Recognize: 323m; Identify: 161m

PTZ

Pan/Tilt Range	Pan: 0° to 360° endless; Tilt: –15° to +90°, auto flip 180°
Manual Control Speed	Pan: 0.1°/s–300°/s; Tilt: 0.1°/s–200°/s
Preset Speed	Pan: 400°/s; Tilt: 300°/s
Presets	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Preset/ Tour/ Pattern/ Scanning
Protocol	DH-SD, Pelco-P/D (auto recognition)

General Intelligence

IVS (Perimeter Protection)	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification.
Auto Tracking	Yes
Quick Pick	With AI NVR, quickly pick up the human/vehicle targets that users are interested in from SMD events.
SMD	Yes

(continued)

Supports face detection, face bounding box, capturing snapshots, uploading face snapshots, enhancing face images, and selecting a preferred image among a group of snapshots. Attribute Extraction is also supported, where 6 attributes and 8 expressions can be detected. The attributes are gender, age, glasses, mask, mustache and expressions. The expressions are angry, sad, hate, scared, surprised, calm, happy and confused. Face cutout is also offered, where you can cutout one face at a time and customize the size to be a one-inch photo. The supported methods for capturing snapshots are real-time capturing, quality first, and selecting a preferred image among a group of snapshots.

Face Detection

Video

Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; H.264B; H.264H; MJPEG (Sub Stream 1)
Stream Capability	3 streams
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576); CIF (352 × 288)
Video Frame Rate	Main stream: 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)
Bit Rate Control	CBR; VBR
Video Bit Rate	H.264: 3 kbps–8192 kbps; H.265: 3 kbps–8192 kbps
Day/Night	Auto (ICR); Color; B/W
BLC	Yes
WDR	120dB
White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Gain Control	Auto; manual
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes

Image Stabilization	Electronic (EIS)
Defog	Electronic
Digital Zoom	16x
Image Rotation	180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view.
S/N Ratio	≥55 dB
Audio	
Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723
Network	
Network Port	RJ-45 (10/100 Base-T)
Network Protocol	HTTP; HTTPS; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPPoE; RTMP; TCP
Interoperability	ONVIF (Profile S&G&T); CGI
Streaming Method	Unicast; Multicast
User/Host	20 (total bandwidth: 64M)
Storage	FTP; Micro SD card (512 GB); NAS
Browser	IE 7 and later versions Chrome 42 and earlier versions Firefox 52 and earlier versions Safari
Management Software	SPRO CSS
Mobile Client	iOS; Android
Certification	
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1
Port	
Alarm I/O	2/1
Audio I/O	1/1
Two-way Audio	Yes

Alarm Linkage

Capture; preset; tour; pattern; recording; triggering on-off value output; audio; sending email.

Alarm Event

Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; power exception detection

Power

Power Supply

24 VDC, 2.5 A ($\pm 25\%$)

PoE +(802.3at)

Power Consumption

Basic: 13 W

Max.: 22 W (illuminator + PTZ working)

Environment

Operating Temperature

$-40\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$ to $+158\text{ }^{\circ}\text{F}$)

Operating Humidity

$\leq 95\%$

Protection

IP67; IK10; TVS 6000 V lightning proof; surge protection; voltage transient protection

Structure

Product Dimensions

332 mm \times Φ 190 mm (13.07" \times Φ 7.48")

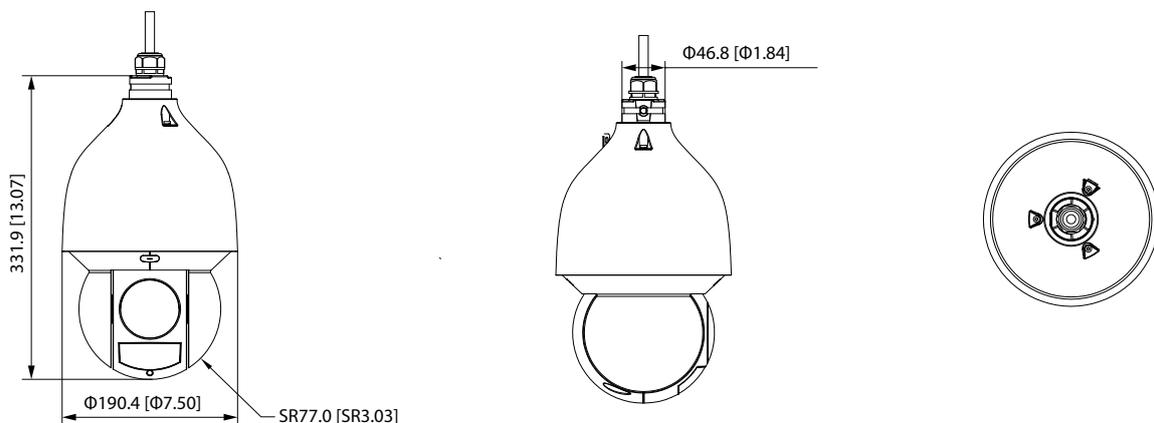
Net Weight

4.7 kg (10.36 lb)

Gross Weight

8 kg (17.64 lb)

Dimensions (mm[inch])



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