

# SPRO<sup>®</sup> IP

## DHIPPTZ20/25XR-V4

2 Megapixel 1080P PTZ Dome Camera  
25x Optical Zoom



**STARLIGHT**

### KEY-FEATURES

- 1/2.8" 2Megapixel STARVIS™ CMOS.
- 25x optical zoom.
- Starlight technology.
- Max. 25/30 fps@1080p.
- IR distance up to 100 m.
- H.265 encoding.
- Perimeter protection.
- Face Detection. Up to 8 faces captured at the same time.



### TECHNICAL SPECIFICATION

#### CAMERA

Image Sensor	1/2.8" CMOS
Pixel	2 MP
Max. Resolution	1920 (H) × 1080 (V)
ROM	128 MB
RAM	256 MB
Electronic Shutter Speed	1/1 s-1/30,000 s

(continued)

<b>Scanning System</b>	Progressive
<b>Min. Illumination</b>	Color: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux (IR light on)
<b>Illumination Distance</b>	100 m (328.08 ft) (IR)
<b>Illuminator On/Off Control</b>	Zoom Prio; Manual; Smart IR
<b>Illuminator Number</b>	3 (IR)

## LENS

<b>Focal Length</b>	4.8 mm–120 mm
<b>Max. Aperture</b>	F1.6–F3.5
<b>Field of View</b>	H: 58.5°–2.8°; V: 33.2°–1.5°; D: 67.5°–3.2
<b>Optical Zoom</b>	25x
<b>Focus Control</b>	Auto; semi-auto; manual
<b>Close Focus Distance</b>	0.1 m–1.5 m (0.33 ft–4.92 ft)
<b>Iris Control</b>	Auto
<b>DORI Distance</b>	Detect 1,613 m (5,291.99 ft) Observe 646 m (2,119.42 ft) Recognize 323 m (1,059.71 ft) Identify 161 m (528.22 ft)

## PTZ

<b>Pan/Tilt Range</b>	Pan: 0° to 360° endless Tilt: –15° to +90°, auto flip 180°
<b>Manual Control Speed</b>	Pan: 0.1°/s–80°/s Tilt: 0.1°/s–80°/s
<b>Preset Speed</b>	Pan: 80°/s; Tilt: 80°/s
<b>Preset</b>	300
<b>Tour</b>	8 (up to 32 presets per tour)

(continued)

<b>Pattern</b>	5
<b>Scan</b>	5
<b>Power-off Memory</b>	Yes
<b>Idle Motion</b>	Preset;Pattern;Tour;Scan
<b>PTZ Protocol</b>	DH-SD Pelco-P/D (Auto recognition)

## INTELLIGENCE

<b>IVS (Perimeter Protection)</b>	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
<b>Face Detection</b>	Supports face detection, capturing pictures, and face enhancement
<b>SMD</b>	Yes

## VIDEO

<b>Video Compression</b>	Smart H.265+;H.265;Smart H.264+;H.264; H.264B;MJPEG(Sub Stream)
<b>Streaming Capability</b>	3 streams
<b>Resolution</b>	1080p (1920 × 1080); 960p (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
<b>Video Frame Rate</b>	Main stream: 1080p/960p/720p@(1–25/30 fps) Sub stream 1: D1/VGA/CIF@(1–25/30 fps) Sub stream 2: 1080p/960p/720p@(1–25/30 fps)
<b>Bit Rate Control</b>	CBR/VBR
<b>Video Bit Rate</b>	H.264: 1792 kbps–8192 kbps H.265: 512 kbps–5632 kbps
<b>Day/Night</b>	Auto (ICR)/Color/B/W
<b>BLC</b>	Yes
<b>WDR</b>	120db

(continued)

<b>HLC</b>	Yes
<b>White Balance</b>	Auto; indoor; outdoor; ATW; manual; sodium lamp; natural light; street lamp
<b>Gain Control</b>	Auto; manual
<b>Noise Reduction</b>	2D NR; 3D NR
<b>Motion Detection</b>	YES
<b>Region of Interest (RoI)</b>	YES
<b>Image Stabilization</b>	Electronic (EIS)
<b>Defog</b>	Electronic
<b>Digital Zoom</b>	16×
<b>Image Rotation</b>	180°
<b>Privacy Masking</b>	Up to 24 areas can be set, with up to 8 areas in the same view
<b>S/N Ratio</b>	≥ 55 dB

## AUDIO

<b>Audio Compression</b>	G.711a; G.711Mu; G.722.1; G.726; MPEG2-Layer2; G.729
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## NETWORK

<b>Network Port</b>	RJ-45 (10/100 Base-T)
<b>Network Protocol</b>	HTTP;HTTPS;TCP/IP;IPv4;RTSP;UDP;SMTP;NTP;DHCP;DNS;DDNS;IPv6; 802.1x;SSL;Qos;FTP;UPnP;ICMP;SNMP;SNMPv1/v2c/v3(MIB-2); IGMP;ARP;RTCP;RTP;PPPoE;IP Filter;RTMP;Bonjour;TCP;SMB;NFS
<b>Interoperability</b>	CGI; Dahua SDK; API; SDK; ONVIF (Profile S&G&T)
<b>Streaming Method</b>	Unicast/Multicast
<b>User/Host</b>	20 (total bandwidth: 64 M)
<b>Storage</b>	FTP; Micro SD card (512 GB); NAS
<b>Browser</b>	IE 7 and later versions Chrome Firefox Safari
<b>Management Software</b>	SPRO CSS;DSS;DMSS;IVSS;ConfigTool;NVR
<b>Mobile Client</b>	iOS;Android;iPhone;iPad

## CERTIFICATIONS

<b>Certifications</b>	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4- 2014
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## PORT

<b>Audio Input</b>	1 channel (LINE IN, bare wire)
<b>Audio Output</b>	1 channel (LINE OUT, bare wire)
<b>Alarm Linkage</b>	Capture; preset; tour; pattern; recording; alarm digital input; audio; send email
<b>Alarm Event</b>	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; power exception detection
<b>Alarm I/O</b>	2/1
<b>Audio I/O</b>	1/1

## POWER

<b>Power Supply</b>	12 VDC/3 A ( $\pm 10\%$ ) PoE (802.3at)
<b>Power Consumption</b>	Basic: 12 W Max.: 20 W (IR light)

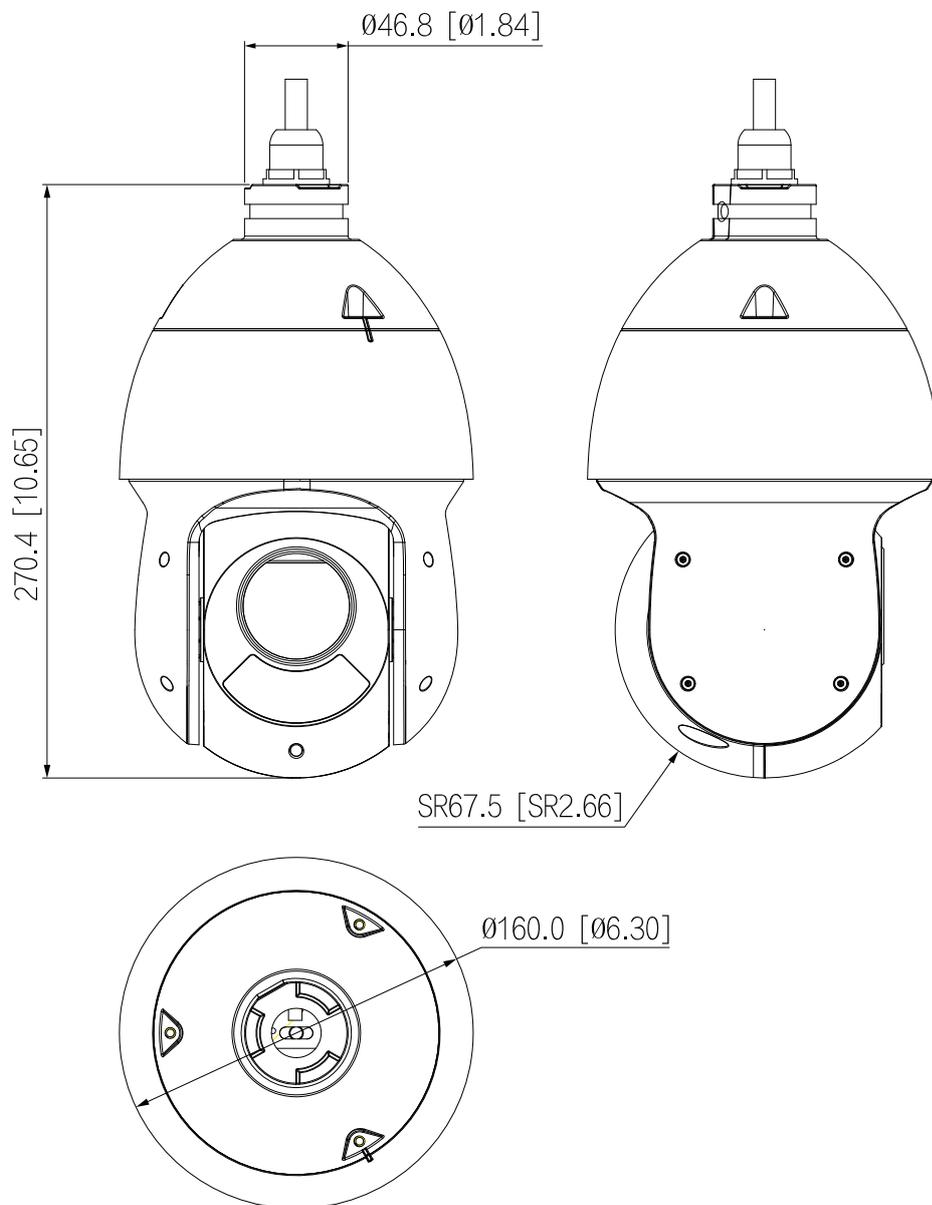
## ENVIRONMENT

<b>Operating Temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Operating Humidity</b>	$\leq 95\%$
<b>Protection</b>	IP66, TVS 6000 V lightning proof; surge protection; voltage transient protection

## STRUCTURE

<b>Product Dimensions</b>	270.4 mm $\times$ $\Phi$ 160.0 mm (10.65" $\times$ $\Phi$ 6.30")
<b>Net Weight</b>	2.4 kg (5.29 lb)
<b>Gross Weight</b>	3.9 kg (8.60 lb)

## DIMENSIONS ( mm [inch] )



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