

SPRO[®]

STARLIGHT

DHPTZ20/25XR-V4

2 Megapixel HDCVI IR PTZ Camera
25x Optical Zoom, 100M IR (Smart IR)
PTZ control over coax cable



2 MEGAPIXEL



4.8 ~ 120 MM



100m IR



1080 P



300 PRESETS



IP66



Key Features:

- 25x optical zoom
- 1080P@25fps(1920x1080)
- Starlight technology
- DWDR, Day/Night(ICR), Ultra DNR, Auto IRIS, Auto focus
- Max 240°/s pan speed, 360° endless pan rotation
- PTZ control over coaxial cable, long distance real-time transmission
- Up to 300 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 2/1 alarm in/out
- Intelligent 3D positioning & Zoom using mouse control
- IR distance up to 100m (Smart IR)
- IP66

SPECIFICATIONS

Model Number	DHPTZ20/25XR-V4
Image Sensor	1/2.8" 2Megapixel STARVIS CMOS
Effective Pixels	1920(H) x 1080(V), 2Megapixels
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	1/3 s-1/100000 s
Min. Illumination	Colour: 0.005Lux@F1.6; B/W: 0.0005 Lux@F1.6; 0Lux@F1.6 (IR on)
Illumination Distance	100 m (328.08 ft)
Illuminator On/Off Control	Zoom Prio/ Manual
Illuminator Number	6 (IR)

(continued)

Lens

Focal Length	4.8mm~120mm
Max Aperture	F1.6~ F3.5
Field of View	H: 60.6°~3.2°; V: 34.1°~1.8°; D: 69.4°~3.7°
Optical Zoom	25 x
Focus Control	Auto/ Semi-Auto/ Manual
Close Focus Distance	0.1 m~2 m (0.33 ft~6.56 ft)
Iris Control	Auto/Manual
DORI Distance	Detect:1655.2m/Observe:653.8m/Recognize:331m/Identify:165.5m

PTZ

Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° to +90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s
Preset Speed	Pan: 240° /s; Tilt: 200° /s
Presets	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Support
Idle Motion	Preset / Tour / Pattern / Scan
Protocol	DH-SD, Pelco-P/D (Auto recognition)

Video

Resolution	1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576/704 × 480)
Frame Rate	1080p (25/30 fps), 720p (25/30/50/60 fps)
Day/Night	Yes
BLC	Yes
WDR	120 dB
HLC	Yes
White Balance	Auto/ Indoor/ Outdoor/ Tracking/ Manual/ Sodium lamp/ Natural light/ Street lamp
Gain Control	Auto/Manual
Noise Reduction	2D NR / 3D NR
Defog	Electronic

(continued)

Digital Zoom	16x
Image Rotation	180°
Privacy Masking	Yes
CVI Product Output Mode	CVI; TVI; AHD; CVBS (CVBS Used for Debugging only)
S/N Ratio	≥50 dB

Certification

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpart B, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1
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Port

Analogue Output	1 channel (CVBS/CVI output, BNC)
RS-485	1 (baud rate range: 1200 bps–9600 bps)
Audio Input	1 channel (LINE IN, bare wire)
Alarm Input	2 (on-off value input: 0–5 VDC)
Alarm Output	1
Alarm Linkage	Scan; preset; tour; pattern; alarm digital output
Alarm Event	Alarm Input

Power

Power Supply	12 VDC, 3 A ± 10%
Power Consumption	Basic: 10 W Max.: 22 W (PTZ + illuminator + heater)

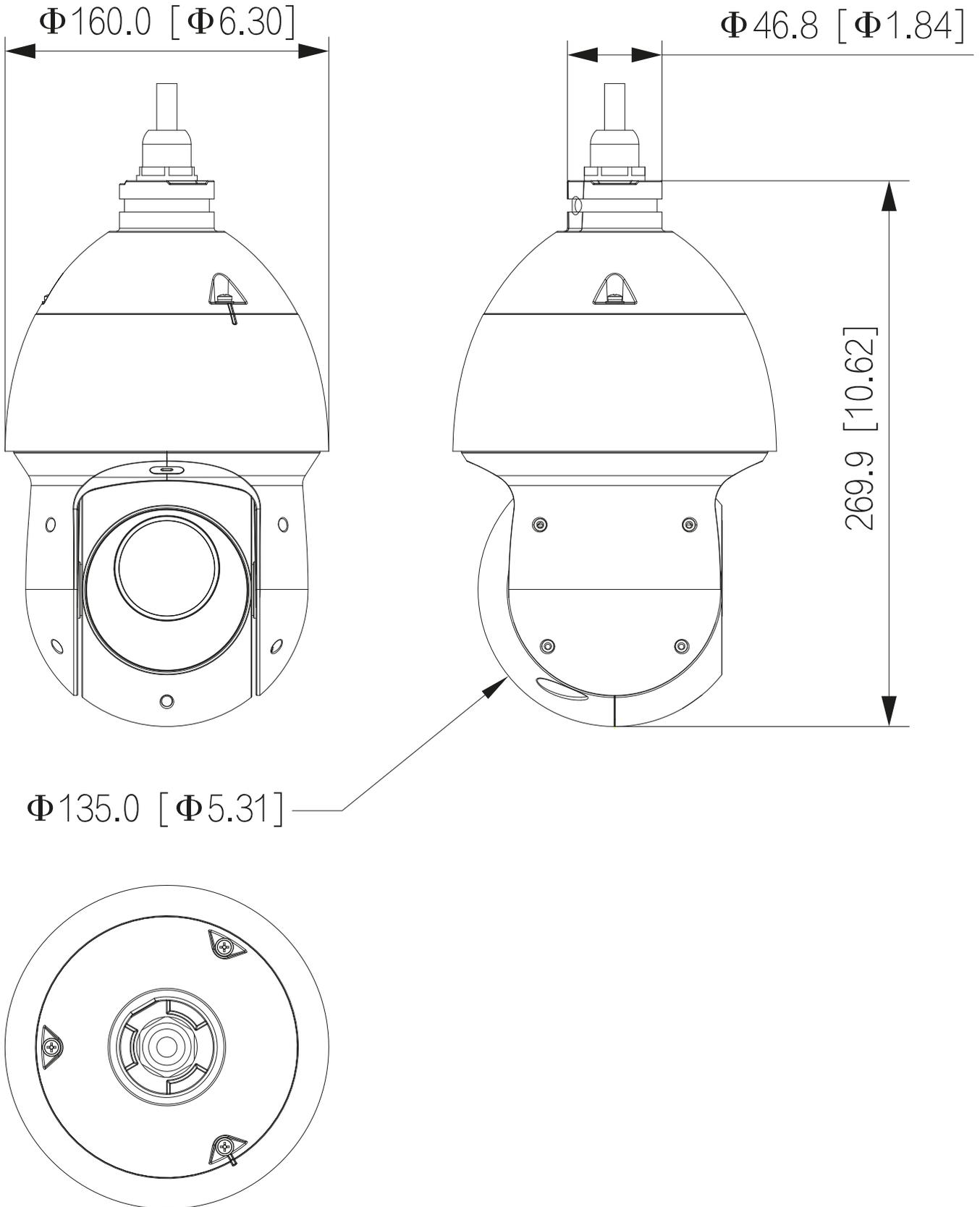
Environment

Operating Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	≤95%
Protection	IP66; TVS 6000V lightning proof; surge protection; voltage transient protection

Structure

Product Dimensions	269.9 mm × Φ160.0 mm (10.63" × Φ6.30")
Net Weight	3.0 kg (6.61 lb)
Gross Weight	4.2 kg (9.26 lb)

Dimensions (mm [inch])



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