HiLook

PTZ-N2404I-DE3(G)
2-inch 4 MP 4x Powered by DarkFighter IR Network Speed Dome

- High quality imaging with 4 MP resolution

- Focuses on human and vehicle classification based on deep learning

- Excellent low-light performance via powered-by-DarkFighter technology

- 4x optical zoom allows for closer viewing of subjects in expansive areas

- Built-in microphone and speaker for real-time audio security

- Up to 20 m IR range ensures safety at night

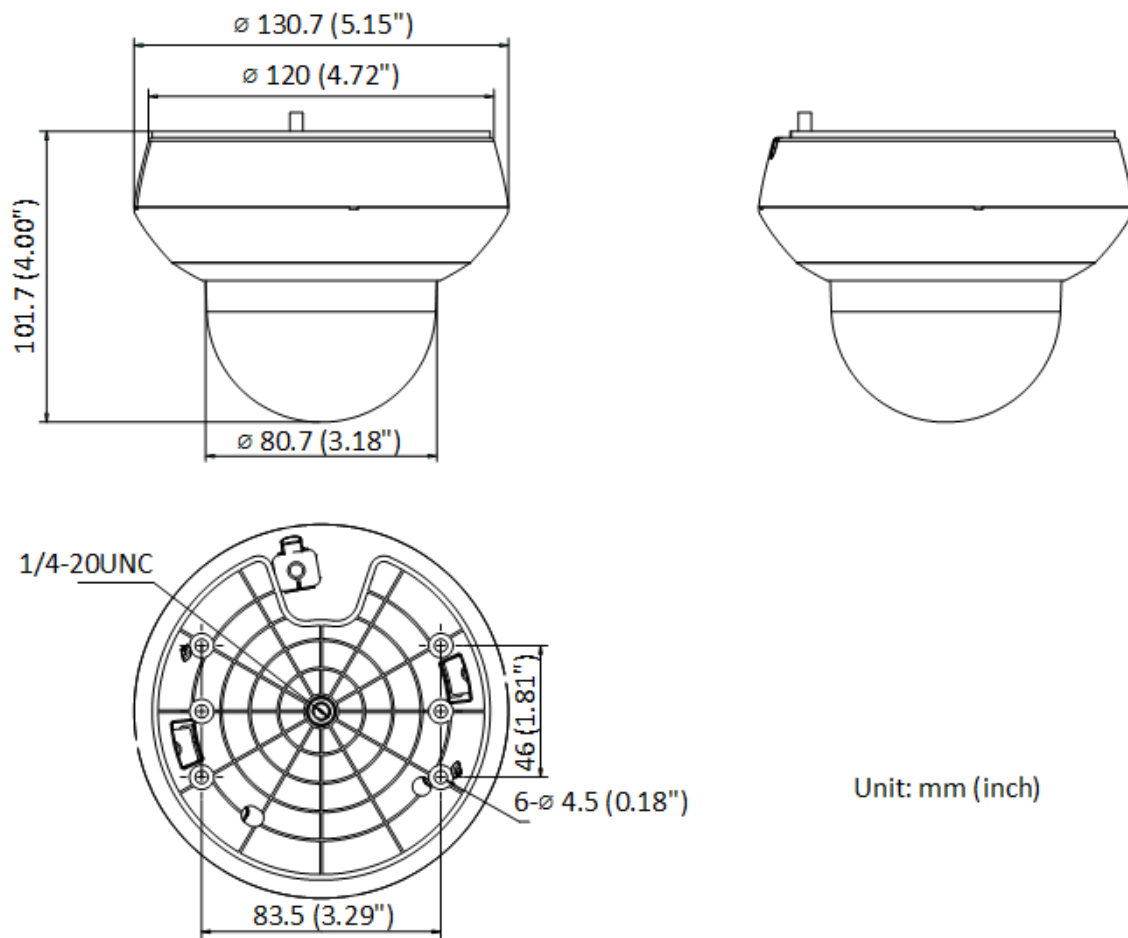- Water and dust resistant (IP66) and vandal proof (IK10)

▪ Specification

Lens	
FOV	Horizontal field of view: 99.4° to 32.8°, vertical field of view: 51.7° to 18.4°, diagonal field of view: 119.9° to 37.5°
Focal Length	2.8 to 12 mm
Zoom Speed	Approx. 2 s (optical lens, wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	Max. F1.8
Smart Features	
Basic Event Detection	Motion detection, video tampering alarm, exception
Smart Detection	Line crossing detection,intrusion detection,region exiting detection,region entrance detection
Smart Record	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
ROI	1 fixed regions for main stream
Network	
Security Measures	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
API	ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users; 3 user levels: administrator, operator, and user
Client	No
Web Browser	Chrome80+, Firefox80+, Safari13+, Edge89+
Image	
Image Enhancement	BLC, HLC, 3D DNR
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Max. Resolution	2560 × 1440
Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Third Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288), 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Interface	
Audio Input	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%
Audio Output	1 output (line out), line level, output impedance: 600 Ω
Network Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Built-in Microphone	1 built-in microphone, picking up sounds in the radius up to 5 meters
Camera Module	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.8, AGC ON),B/W: 0.001 Lux @ (F1.8, AGC ON),0 Lux with IR

White Balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
Gain	Auto/Manual
Shutter Time	1/1 s to 1/30,000 s
Day & Night	IR Cut Filter
Digital Zoom	4x optical, 16x digital
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
Focus Mode	Auto, semi-auto, manual
WDR	120 dB WDR
General	
Material	Aluminum alloy, PC, PC+ABS
Dimensions	Ø130.7 mm × 101.7 mm (Ø5.15" × 4.00")
Weight	Weight: Approx. 560 g (1.23 lb.), With Package Weight: Approx. 780 g (1.72 lb.)
Protection Level	IP66 Standard, IK10, TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Power	12 VDC, 1.5 A (Max. 9.9 W, including max. 4.2 W for IR) PoE (802.3af), 36 to 57 VDC, 0.35 A (Max. 11.2 W, including max. 4.2 W for IR)
Working Temperature	-20℃ to 60℃ (-4°F to 140°F)
Working Humidity	≤ 90%
Supplement Light	
IR Distance	20 m
Smart IR	Support
PTZ	
Movement Range (Pan)	0° to 355°
Pan Speed	Configurable from 0.1° to 50°/s, preset speed: 50°/s
Movement Range (Tilt)	From 0° to 90°
Tilt Speed	Configurable from 0.1° to 50°/s, preset speed 50°/s
Proportional Zoom	Support
Presets	300
Power-off Memory	Support
Compression Standard	
H.264+	Support
H.265+	Support
H.264 Type	Baseline Profile/Main Profile/High Profile
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG
H.265 Type	Main Profile
Video Bitrate	32 Kbps to 16384 Kbps
Audio Compression	G.711,G.722.1,G.726,MP2L2,PCM,AAC-LC
Audio Bitrate	64 Kbps (G.711),16 Kbps (G.722.1),32 to 160 Kbps (MP2L2),16 to 64Kbps (AAC-LC),16 Kbps (G.726)
SVC	Support

▪ Available Model

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▪ Dimension

∅ 130.7 (5.15")
∅ 120 (4.72")
101.7 (4.00")
∅ 80.7 (3.18")

1/4-20UNC
46 (1.81")
6-∅ 4.5 (0.18")
83.5 (3.29")

Unit: mm (inch)

▪ Accessory

▪ Optional

HIA-B404-PT

See Far, Go Further

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HiLook