

PTZ-N2204I-DE3

2-inch 2 MP 4x Powered by DarkFighter IR Network Speed Dome



- Two-inch 2 MP camera with pan, tilt and zoom (4x) ability
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to 120 dB true WDR technology
- Great night-time performance with up to 20 m enhanced IR
- Water and dust resistant (IP66), and vandal proof (IK10)
- Built-in microphone for real-time audio security (optional)

▪ Specification

Lens	
FOV	Horizontal field of view: 109° to 34° (Wide-Tele), Vertical field of view: 57° to 19° (Wide-Tele), Diagonal field of view: 135° to 39° (Wide-Tele)
Focal Length	2.8 mm to 12 mm, 4× optical zoom
Zoom Speed	Approx. 2 s (optical lens, wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	PTZ-N2204I-DE3(HiLook标配)(D):F1.5 to F2.7 PTZ-N2204I-DE3(HiLook标配), PTZ-N2204I-DE3(HiLook标配)(C), PTZ-N2204I-DE3(HiLook标配)(F), PTZ-N2204I-DE3(HiLook标配)(E), PTZ-N2204I-DE3(HiLook标配)(B)(样机), PTZ-N2204I-DE3(HiLook中性), PTZ-N2204I-DE3(HiLook中性)(C), PTZ-N2204I-DE3(HiLook中性)(B)(样机):F1.6 to F2.7
Smart Features	
Basic Event Detection	Motion Detection, Video Tampering Detection, Exception
Smart Detection	Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
ROI	Main stream, sub-stream, and third stream respectively support two fixed areas.
Network	
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Network Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
API	Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform, support Hik-Connect
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 levels: Administrator, Operator and User
Client	iVMS-4200, HikCentral, HiLookVision
Web Browser	PTZ-N2204I-DE3(HiLook标配)(D): IE 10-11, Chrome 57+, Firefox 52+, Safari 11+ PTZ-N2204I-DE3(HiLook标配), PTZ-N2204I-DE3(HiLook标配)(C), PTZ-N2204I-DE3(HiLook标配)(F), PTZ-N2204I-DE3(HiLook标配)(E), PTZ-N2204I-DE3(HiLook标配)(B)(样机), PTZ-N2204I-DE3(HiLook中性), PTZ-N2204I-DE3(HiLook中性)(C), PTZ-N2204I-DE3(HiLook中性)(B)(样机): IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51

Image	
Image Enhancement	PTZ-N2204I-DE3(HiLook标配)(D),PTZ-N2204I-DE3(HiLook标配)(E):3D DNR, BLC, HLC, Regional Exposure, Regional Focus PTZ-N2204I-DE3(HiLook标配),PTZ-N2204I-DE3(HiLook标配)(C),PTZ-N2204I-DE3(HiLook标配)(F),PTZ-N2204I-DE3(HiLook标配)(B)(样机),PTZ-N2204I-DE3(HiLook中性),PTZ-N2204I-DE3(HiLook中性)(C),PTZ-N2204I-DE3(HiLook中性)(B)(样机):3D DNR, BLC, HLC, EIS, Regional Exposure, Regional Focus
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288),60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720),60Hz: 30fps (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-ch audio input (line in)
Audio Output	1-ch audio output (line out)
Network Interface	1 RJ45 10 M/100 M Ethernet, PoE
Built-in Microphone	1 built-in microphone, picking up sounds in the radius up to 5 meters
Camera Module	
Image Sensor	PTZ-N2204I-DE3(HiLook标配)(D):1/2.8" progressive scan CMOS PTZ-N2204I-DE3(HiLook标配),PTZ-N2204I-DE3(HiLook标配)(C),PTZ-N2204I-DE3(HiLook标配)(F),PTZ-N2204I-DE3(HiLook标配)(E),PTZ-N2204I-DE3(HiLook标配)(B)(样机),PTZ-N2204I-DE3(HiLook中性),PTZ-N2204I-DE3(HiLook中性)(C),PTZ-N2204I-DE3(HiLook中性)(B)(样机):1/3" progressive scan CMOS
Min. Illumination	PTZ-N2204I-DE3(HiLook标配),PTZ-N2204I-DE3(HiLook标配)(C),PTZ-N2204I-DE3(HiLook标配)(F),PTZ-N2204I-DE3(HiLook标配)(E),PTZ-N2204I-DE3(HiLook标配)(B)(样机),PTZ-N2204I-DE3(HiLook中性),PTZ-N2204I-DE3(HiLook中性)(C),PTZ-N2204I-DE3(HiLook中性)(B)(样机):Color: 0.005 Lux @(F1.6, AGC ON),B/W: 0.001 Lux @(F1.6, AGC ON),0 Lux with IR PTZ-N2204I-DE3(HiLook标配)(D):Color: 0.005 Lux @(F1.5, AGC ON),B/W: 0.001 Lux @(F1.5, 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	50Hz: 1/1 s to 1/30,000 s,60Hz: 1/1 s to 1/30,000 s
Day & Night	IR Cut Filter
Digital Zoom	16×
Privacy Mask	24 programmable privacy masks
Focus Mode	Auto/Semi-automatic/Manual
WDR	120 dB WDR

General	
Material	Aluminum alloy, PC, PC+ABS
Dimensions	Ø130.7 mm × 101.7 mm (Ø 5.15" × 4.00")
Weight	Approx. 0.53 kg (1.17 lb)
Protection Level	IP66 Standard, IK 10, 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°C to 60°C (-4°F to 140°F)
Working Humidity	≤ 90%
Supplement Light	
IR Distance	20 m
Smart IR	Support
PTZ	
Movement Range (Pan)	PTZ-N2204I-DE3(HiLook标配),PTZ-N2204I-DE3(HiLook标配)(F),PTZ-N2204I-DE3(HiLook标配)(E),PTZ-N2204I-DE3(HiLook标配)(B)(样机),PTZ-N2204I-DE3(HiLook中性),PTZ-N2204I-DE3(HiLook中性)(B)(样机):0° to 330° PTZ-N2204I-DE3(HiLook标配)(D),PTZ-N2204I-DE3(HiLook标配)(C),PTZ-N2204I-DE3(HiLook中性)(C):0° to 355°
Pan Speed	Configurable, from 0.1°/s to 100°/s, ,Preset speed: 100°/s
Movement Range (Tilt)	From 0° to 90°
Tilt Speed	Configurable, from 0.1°/s to 100°/s,Preset Speed: 100°/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.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
Audio Bitrate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 160 Kbps(MP2L2)
SVC	Support

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

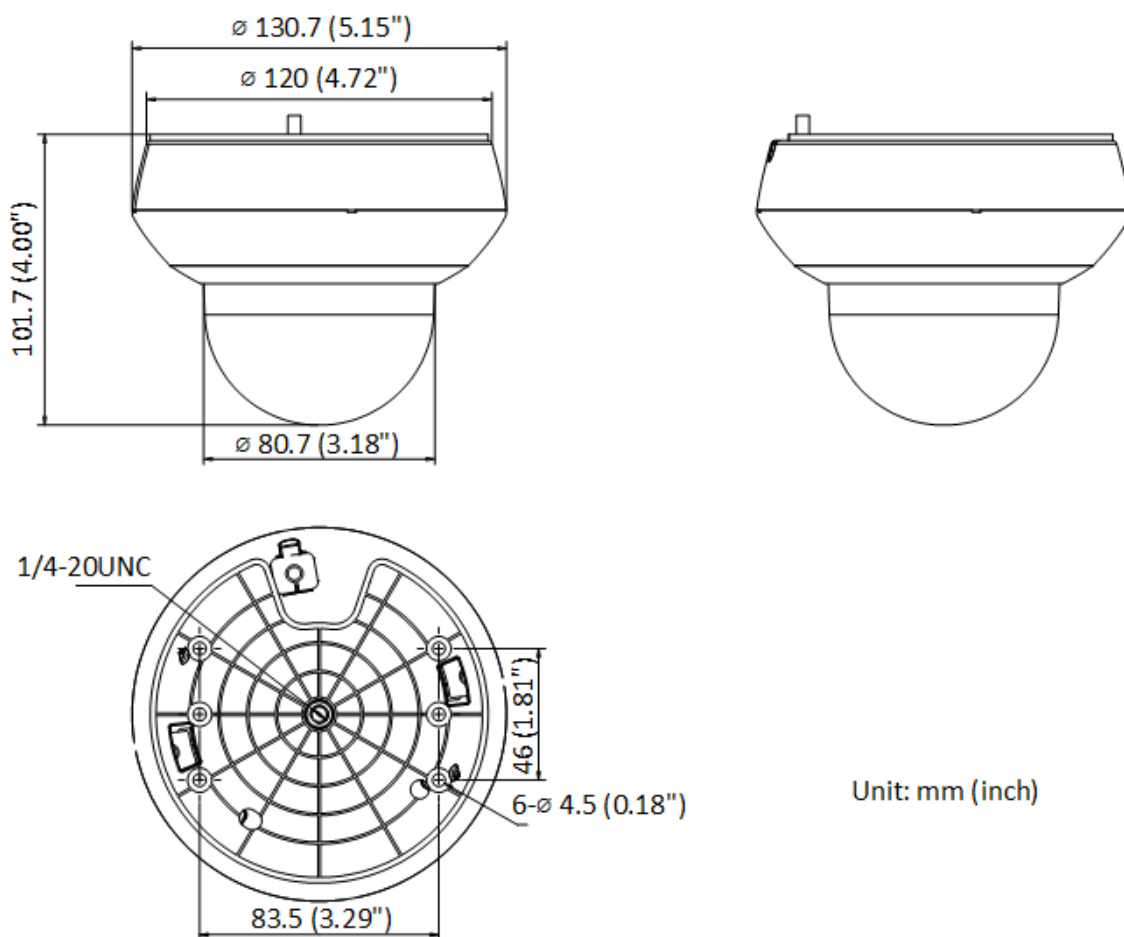
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a

	must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Available Model

PTZ-N2204I-DE3(D)
PTZ-N2204I-DE3
PTZ-N2204I-DE3(C)
PTZ-N2204I-DE3(F)
PTZ-N2204I-DE3(E)
PTZ-N2204I-DE3(B)
PTZ-N2204I-DE3(HiLookNEU)
PTZ-N2204I-DE3(HiLookNEU)(C)
PTZ-N2204I-DE3(HiLookNEU)(B)

▪ Dimension



- **Accessory**
- **Optional**

HIA-B404-PT



See Far, Go Further



www.hikvision.com
support@hikvision.com



© Hangzhou Hikvision Digital Technology Co., Ltd. Unless otherwise agreed, Hikvision makes no warranties, express or implied. We reserve the right to introduce modifications without notice.

HiLook