# 4MP IR Fixed Turret Network Camera



MODEL _ **THK-NC324G2-XDU**

## KEY FEATURES

Deep learning-based human and vehicle classification helps improve alarm accuracy, while 4MP imaging and a built-in microphone capture clear video and audio.

- 4MP (2688 × 1520) at 30 fps, 1/3" Progressive Scan CMOS Sensor
- Face Detection, Human & Vehicle Classification, Line Crossing, Intrusion Detection
- Low Illumination: Color 0.005 Lux @ F1.6, 0 Lux with IR
- Day/Night (ICR), 120 dB WDR, BLC, HLC, 3D DNR
- Motion Detection, Video Tampering Alarm, Privacy Mask
- H.265+ / H.265 / H.264+ / H.264 Compression, Triple Streams
- RTSP Support, Open Network Video Interface (Profile S / G)
- Web Browser, PC Client & Mobile App Access
- RJ45 10/100 Mbps Network Port, IEEE 802.3af PoE
- IP67 Water- and Dust-Resistant Aluminum Alloy Housing
- IR Distance up to 30 m (98 ft)
- 2.8 mm / 4 mm F1.6 Fixed Lens Options
- Built-in Microphone (-U Model)
- MicroSD Card Slot, up to 512 GB

# THK-NC324G2-XDU

## 4MP IR Fixed Turret Network Camera

## SPECIFICATIONS

| Model | THK-NC324G2-XDU |
|---|---|
| **Camera** | |
| Image Sensor | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| P/N | P/N |
| Wide Dynamic Range | 120 dB |
| Day & Night | ICR Cut |
| Angle Adjustment | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360° |
| **Lens** | |
| Lens Type & FOV | 2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122°<br>4 mm, horizontal FOV 84°,<br>vertical FOV 45°, diagonal FOV 100° |
| Aperture | F1.6 |
| Lens Mount | M12 |
| **DORI** | |
| DORI | 2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m<br>4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m |
| **Illuminator** | |
| IR Range | Up to 30 m |
| Wavelength | 850 nm |
| **Video** | |
| Max. Resolution | 2688 × 1520 |
| Main Stream | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) |
| Third Stream | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) |
| Video Compression | Main stream: H.265/H.264/H.264+/H.265+<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264 |
| Video Bit Rate | 32 Kbps to 8 Mbps |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.265 Type | Main Profile |
| H.264+ | Main Stream supports |
| H.265+ | Main Stream supports |
| Bit Rate Control | CBR/VBR |
| Scalable Video Coding (SVC) | Yes |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |

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## SPECIFICATIONS

| Model | THK-NC324G2-XDU |
|---|---|
| **Audio** | |
| Environment Noise Filtering | -U: Yes |
| Audio Sampling Rate | -U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Audio Compression | -U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC |
| Audio Bit Rate | -U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16-64 Kbps (AAC-LC)/32-192 Kbps (MP2L2)/8-320 Kbps (MP3) |
| **Network** | |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, WebSocket, WebSockets |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Security | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface |
| Network Storage | NAS (NFS, SMB/CIFS), auto network replenishment (ANR) |
| Client | iVMS-4200, Hik-Connect, Hik-Central |
| Web Browser | Plug-in required live view: IE 10, IE 11<br>Plug-in free live view : Chrome 57.0+, Firefox 52.0+<br>Local service: Chrome 57.0+, Firefox 52.0+ |
| **Image** | |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Image Enhancement | BLC, HLC, 3D DNR |
| Image Parameters Switch | Yes |
| Image Settings | Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |
| **Interface** | |
| Built-in Microphone | -U: yes |
| On-board Storage | Built-in microSD, up to 512 GB |
| Hardware Reset | Yes |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| **Event** | |
| Basic Event | Motion detection (human and vehicle targets classification), video tampering alarm, exception |
| Face Detection | Yes |
| **Deep Learning Function** | |
| Perimeter Protection | Line crossing detection, intrusion detection<br>Supports human and vehicle targets classification |

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## 4MP IR Fixed Turret Network Camera

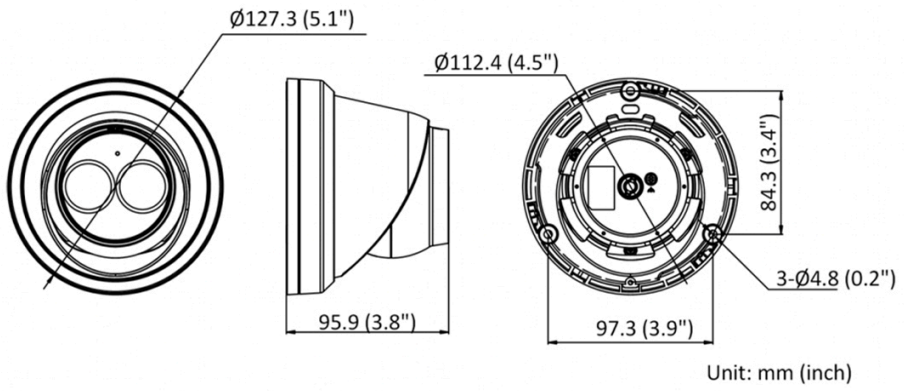
## SPECIFICATIONS

| Model | THK-NC324G2-XDU |
|---|---|
| **General** | |
| Linkage Method | Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email |
| Web Client Language | 33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian |
| General Function | Anti-flicker, heartbeat, password reset via e-mail, pixel counter |
| Software Reset | Yes |
| Storage Conditions | -22 °F to 140 °F ( -30 °C to 60 °C ) . Humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -22 °F to 140 °F ( -30 °C to 60 °C ). Humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC ± 25%, reverse polarity protection<br>PoE: 802.3af, Class 3 |
| Power Consumption and Current | 12 VDC, 0.5 A, max. 6 W<br>PoE (802.3af, 36 V to 57 V), 0.19 A to 0.12 A, max. 7 W |
| Power Interface | Ø5.5 mm coaxial power plug |
| Material | Aluminum alloy body |
| Camera Dimension | Ø5.01″ × 3.78″ (Ø127.3 × 95.9 mm) |
| Package Dimension | 5.9″ × 5.9″ × 5.6″ (150 × 150 × 141 mm) |
| Camera Weight | Approx. 1.3 lb. (600 g ) |
| With Package Weight | Approx. 1.8 lb. (816 g) |
| **Approval** | |
| EMC | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015) |
| Safety | UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015) |
| Environment | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) |
| Protection | IP67 (IEC 60529-2013) |

# THK-NC324G2-XDU

## 4MP IR Fixed Turret Network Camera

### DIMENSION




### ACCESSORY (Optional)

| DS-1271ZJ-130-TRL<br>Pendant Mount | DS-1273ZJ-130B-TRL<br>Wall mount | DS-1280ZJ-DM21<br>Junction box | DS-1273ZJ-130-TRL<br>Wall mount |
|---|---|---|---|
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