

# NC328G2-TDA

## 8 MP AcuSense Fixed Dome Network Camera



- High quality imaging with 8 MP resolution
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Water and dust resistant (IP67) and vandal-resistant (IK10)

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### ▪ Specification

| Camera                 |  |
|------------------------|--|
| Image Sensor           | 1/2.8" Progressive Scan CMOS   |
| Min. Illumination      | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR  |
| Shutter Speed          | 1/3 s to 1/100,000 s   |
| Slow Shutter           | Yes  |
| P/N                    | P/N  |
| Wide Dynamic Range     | 120 dB   |
| Day & Night            | IR cut filter  |
| Angle Adjustment       | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°   |
| Lens                   |  |
| Lens Type              | Fixed focal length, 2.8 and 4 mm optional  |
| Focal Length & FOV     | 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128°<br>4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105°  |
| Lens Mount             | M12  |
| Iris Type              | Fixed  |
| Aperture               | F1.6   |
| DORI                   |  |
| DORI                   | 2.8 mm: D: 88 m, O: 35 m, R: 17 m, I: 9 m<br>4 mm: D: 108 m, O: 43 m, R: 22 m, I: 11 m   |
| Illuminator            |  |
| Supplement Light Type  | IR   |
| Smart Supplement Light | Yes  |
| IR Wavelength          | 850 nm   |
| IR Range               | Up to 30 m   |
| Video                  |  |
| Max. Resolution        | 3840 × 2160  |
| Main Stream            | 50 Hz: 20 fps (3840 × 2160)<br>25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 20 fps (3840 × 2160)<br>30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub Stream             | 50 Hz: 25 fps (640 × 480, 640 × 360)<br>60 Hz: 30 fps (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)<br>*Third stream is supported under certain settings.   |
| 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<br>*Third stream is supported under certain settings.                             |
| Video Bit Rate         | 32 Kbps to 16 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   |

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|                               |  |
|-------------------------------|--|
| Bit Rate Control              | CBR/VBR  |
| Scalable Video Coding (SVC)   | H.264 and H.265 encoding   |
| Region of Interest (ROI)      | 1 fixed region for main stream and sub-stream  |
| <b>Network</b>                |  |
| Protocols                     | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets  |
| Simultaneous Live View        | Up to 6 channels   |
| API                           | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK  |
| 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                        | Guarding Vision, 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+   |
| <b>Image</b>                  |  |
| Image Parameters Switch       | Yes  |
| Image Settings                | Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  |
| Day/Night Switch              | Day, Night, Auto, Schedule   |
| Image Enhancement             | BLC, HLC, 3D DNR   |
| SNR                           | ≥ 52 dB  |
| <b>Interface</b>              |  |
| Ethernet Interface            | 1 RJ45 10 M/100 M self-adaptive Ethernet port  |
| On-board Storage              | Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB  |
| Hardware Reset                | Yes  |
| <b>Event</b>                  |  |
| Basic Event                   | Motion detection (human and vehicle targets classification), video tampering alarm, exception  |
| Face Detection                | Yes  |
| <b>Deep Learning Function</b> |  |
| Perimeter Protection          | Line crossing detection, intrusion detection<br>Supports human and vehicle targets classification  |
| <b>General</b>                |  |
| Linkage Method                | Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email  |
| Camera Material               | Aluminum alloy body<br>Bubble: plastic   |
| Camera Dimension              | Ø110.8 mm × 84.7 mm (Ø4.4" × 3.3")   |
| Package Dimension             | 134 mm × 134 mm × 108 mm (5.3" × 5.3" × 4.3")  |
| Camera Weight                 | Approx. 520 g (1.1 lb.)  |
| With Package Weight           | Approx. 720 g (1.6 lb.)  |
| Storage Conditions            | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  |

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|                                  |   |
|----------------------------------|---|
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   |
| Web Client Language              | 33 languages<br>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 email, pixel counter  |
| Firmware Version                 | V5.5.113  |
| Software Reset                   | Yes   |
| Power Consumption and Current    | 12 VDC, 0.5 A, max. 6 W<br>PoE (802.3af, 36 V to 57 V), 0.25 A to 0.15 A, max. 7.5 W  |
| Power Supply                     | 12 VDC ± 25%, reverse polarity protection<br>PoE: 802.3af, Class 3  |
| Power Interface                  | Ø5.5 mm coaxial power plug  |
| <b>Approval</b>                  |   |
| 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);   |
| Environment                      | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)   |
| Protection                       | IP67 (IEC 60529-2013), IK10 (IEC 62262: 2002)   |

### ▪ Available Model

NC328G2-TD