

## CMIP3C42NWB-28MDA

### 4 MP Full Color Fixed Turret Network Camera



Full color technology provides vivid, colorful images 24/7 with advanced lenses and high performance sensors. The F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology vastly improves the utilization of available light.

- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong backlight thanks to 130 dB WDR technology
- Built-in microphone for real-time audio security
- Focus on human and vehicle target classification based on deep learning
- Colorful imaging 24/7
- Water and dust resistant (IP67)

## Specifications

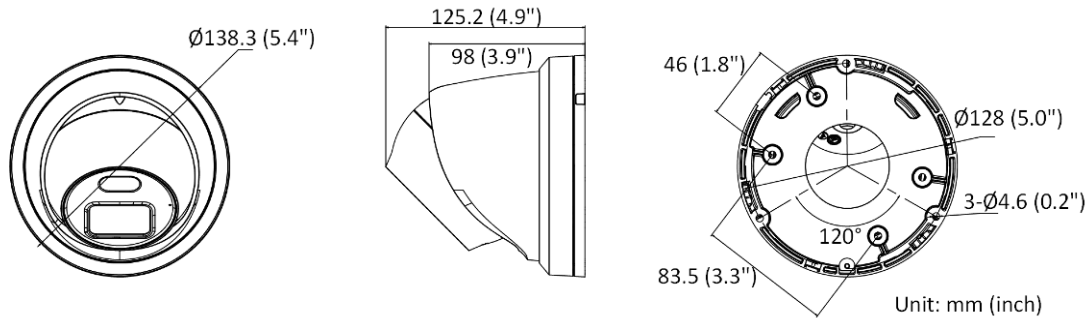
| Camera                                              |                                                                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                                        | 1/3" Progressive Scan CMOS                                                                                                                                                           |
| Min. Illumination                                   | Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light                                                                                                                       |
| Shutter Speed                                       | 1/3 sec. to 1/100,000 sec.                                                                                                                                                           |
| Slow Shutter                                        | Yes                                                                                                                                                                                  |
| P/N                                                 | P/N                                                                                                                                                                                  |
| Wide Dynamic Range                                  | 130 dB                                                                                                                                                                               |
| Angle Adjustment                                    | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                                                                 |
| Lens                                                |                                                                                                                                                                                      |
| Lens Type                                           | Fixed focal lens, 2.8 mm; 4 mm optional                                                                                                                                              |
| Iris Type                                           | Fixed                                                                                                                                                                                |
| Lens Type & FOV                                     | 2.8 mm: horizontal 102°, vertical 54°, diagonal 121°<br>4 mm: horizontal 80°, vertical 43°, diagonal 95°                                                                             |
| Depth of Focus                                      | 2.8 mm, 2.5 m to ∞<br>4 mm, 3.5 m to ∞                                                                                                                                               |
| Aperture                                            | F1.0                                                                                                                                                                                 |
| Lens Mount                                          | M12                                                                                                                                                                                  |
| Detection, Observation, Recognition, Identification |                                                                                                                                                                                      |
| DORI                                                | 2.8 mm: D: 220 ft (67 m), O: 85 ft (26 m), R: 42 ft (13 m), I: 20 ft (6 m)<br>4 mm: D: 270 ft (82 m), O: 105 ft (32 m), R: 54 ft (16 m), I: 26 ft (8 m)                              |
| Illuminator                                         |                                                                                                                                                                                      |
| Supplemental Light Type                             | Visible; White                                                                                                                                                                       |
| White Light Range                                   | 98 ft (30 m)                                                                                                                                                                         |
| Smart Supplemental Lighting                         | Yes                                                                                                                                                                                  |
| 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 (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 Compressions                                  | Main stream: H.265+ / H.265 / H.264+ / H.264<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 Rates                                     | 32 Kbps to 8 Mbps                                                                                                                                                                    |
| H.264 Type                                          | Baseline Profile / Main Profile / High Profile                                                                                                                                       |
| H.265 Type                                          | Main Profile                                                                                                                                                                         |
| H.264+                                              | Main Stream supported                                                                                                                                                                |
| H.265+                                              | Main stream supported                                                                                                                                                                |
| 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>Audio</b>                  |                                                                                                                                                                                                                                  |
| Environment Noise Filtering   | Yes                                                                                                                                                                                                                              |
| Audio Sampling Rates (kHz)    | 8 / 16 / 32 / 44.1 / 48                                                                                                                                                                                                          |
| Audio Compression             | G.711 ulaw / G.711 alaw / G.722.1 / G.726 / MP2L2 / PCM / MP3 / AAC                                                                                                                                                              |
| Audio Bit Rates               | 64 Kbps (G.711 ulaw / G.711 alaw) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 192 Kbps (MP2L2) / 8 to 320 Kbps (MP3) / 16 to 64 Kbps (AAC)                                                                                     |
| <b>Network</b>                |                                                                                                                                                                                                                                  |
| Simultaneous Live View        | Up to 6 channels                                                                                                                                                                                                                 |
| API                           | Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK                                                                                                                                                       |
| 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, ARP                                                                              |
| 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               | MicroSD / SDHC / SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)                                                                                                                     |
| Web Browser                   | Plug-in required live view: IE 10+<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+<br>Local service: Chrome 57.0+, Firefox 52.0+                                                                                          |
| <b>Imaging</b>                |                                                                                                                                                                                                                                  |
| SNR                           | ≥ 52 dB                                                                                                                                                                                                                          |
| Day / Night Switch            | Auto, Schedule                                                                                                                                                                                                                   |
| Image Enhancement             | BLC, HLC, 3D DNR                                                                                                                                                                                                                 |
| Image Parameters Switch       | Yes                                                                                                                                                                                                                              |
| Image Settings                | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser                                                                                                       |
| <b>Interface</b>              |                                                                                                                                                                                                                                  |
| Built-in Microphone           | Yes                                                                                                                                                                                                                              |
| On-board Storage              | Built-in MicroSD / SDHC / SDXC slot, up to 256 GB                                                                                                                                                                                |
| Hardware Reset                | Yes                                                                                                                                                                                                                              |
| Communication Interface       | 1 x RJ45 10/100 Mbps self-adaptive Ethernet port                                                                                                                                                                                 |
| <b>Event Types</b>            |                                                                                                                                                                                                                                  |
| Basic Events                  | Motion detection (human and vehicle target classification), video tampering alarm, exception/anomaly                                                                                                                             |
| Smart Events                  | Scene change detection                                                                                                                                                                                                           |
| <b>Deep Learning Function</b> |                                                                                                                                                                                                                                  |
| Face Capture                  | Yes                                                                                                                                                                                                                              |
| Perimeter Protections         | Line crossing, intrusion, region entrance, & region exiting detections                                                                                                                                                           |
| <b>General</b>                |                                                                                                                                                                                                                                  |
| Linkage Methods               | Upload to NAS / memory card / FTP, notify surveillance center, trigger recording, trigger capture, send email                                                                                                                    |

|                                  |                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web Client Languages (33)        | 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 Functions                | Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter                                                                                                                                                                                                                                       |
| Software Reset                   | Yes                                                                                                                                                                                                                                                                                                                                     |
| Storage Conditions               | -22° to 140° F (-30° to 60° C); Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                   |
| Startup and Operating Conditions | -22° to 140° F (-30° to 60° C); Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                   |
| Power Supply                     | 12 VDC $\pm$ 25%, reverse polarity protection<br>PoE: 802.3af, Class 3                                                                                                                                                                                                                                                                  |
| Power Consumption and Current    | 12 VDC, 0.55 A, max. 6.6 W<br>PoE (802.3 af, 36 V to 57 V), 0.22 A to 0.13 A, max. 7.6 W                                                                                                                                                                                                                                                |
| Power Interface                  | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                                                                                              |
| Materials                        | Aluminum alloy body, except for trim ring                                                                                                                                                                                                                                                                                               |
| Screw Material                   | SUS304                                                                                                                                                                                                                                                                                                                                  |
| Camera Dimensions                | Ø 5.4 × 4.9 ins. (Ø 138.3 × 125.2 mm)                                                                                                                                                                                                                                                                                                   |
| Package Dimensions               | 7 × 7 × 5.9 ins. (170 × 170 × 150 mm)                                                                                                                                                                                                                                                                                                   |
| Camera Weight                    | Approx. 1.7 lbs (750 g)                                                                                                                                                                                                                                                                                                                 |
| Package Weight                   | Approx. 2.3 lbs (1,055 g)                                                                                                                                                                                                                                                                                                               |
| <b>Certifications</b>            |                                                                                                                                                                                                                                                                                                                                         |
| EMC                              | FCC SDoC (47 CFR Part 15, Subpart B)<br>CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014);                                                                                                                                                                                                    |
| Safety                           | CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);                                                                                                                                                                                                                                                                     |
| Environmental                    | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)                                                                                                                                                                                                                                                           |
| Protections                      | IP67 (IEC 60529-2013)                                                                                                                                                                                                                                                                                                                   |



## Dimensions



## Accessories (Optional)

| LTB342-140B<br>Wall Mount | LTB342-140<br>Wall Mount | LTB378<br>Vertical Pole Mount | LTB341<br>Pendant Mount | LTB379<br>Corner Mount |
|---------------------------|--------------------------|-------------------------------|-------------------------|------------------------|
|                           |                          |                               |                         |                        |
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