

## CA-NC324-TD-2WH / CA-2240FX 4MP IR Fixed Dome Network Camera



### Key Features

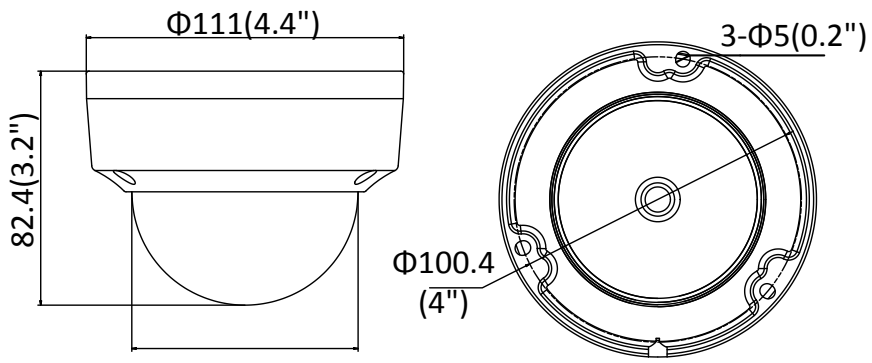
- 1/3" Progressive Scan CMOS
- 2688 × 1520 @30fps
- 2.8/4/6/8 mm fixed lens
- Color: 0.01 Lux @ (F1.2, AGC ON),  
0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
- H.265+, H.265, H.264+, H.264
- Three streams
- 120dB WDR
- 2 Behavior analyses, and face detection
- BLC/3D DNR/ROI
- IP67, IK10
- Built-in micro SD/SDHC/SDXC card slot,  
up to 128 GB
- 3-Axis adjustment

## Specifications

| <b>Camera</b>               |   |
|-----------------------------|---|
| Image Sensor                | 1/3" Progressive Scan CMOS  |
| Min. Illumination           | Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR   |
| Shutter Speed               | 1/3 s to 1/100,000 s  |
| Slow Shutter                | Yes   |
| Auto-Iris                   | No  |
| Day & Night                 | IR Cut Filter   |
| Digital Noise Reduction     | 3D DNR  |
| WDR                         | 120dB   |
| 3-Axis Adjustment           | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°  |
| <b>Lens</b>                 |   |
| Focal length                | 2.8/4/6/8 mm  |
| Aperture                    | F1.6  |
| Focus                       | Manual  |
| FOV                         | 2.8 mm @ F1.6: horizontal FOV: 103°, vertical FOV: 58°, diagonal FOV: 123°<br>4 mm @F1.6: horizontal FOV: 83°, vertical FOV: 45°, diagonal FOV: 99°<br>6 mm @F1.6: horizontal FOV: 51°, vertical FOV: 29°, diagonal FOV: 58°<br>8 mm @F1.6: horizontal FOV: 39°, vertical FOV: 22°, diagonal FOV: 45° |
| Lens Mount                  | M12   |
| <b>IR</b>                   |   |
| IR Range                    | Up to 30 m  |
| Wavelength                  | 850nm   |
| <b>Compression Standard</b> |   |
| Video Compression           | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264  |
| H.264 Type                  | Main Profile/High Profile   |
| H.264+                      | Main stream and sub-stream support  |
| H.265 Type                  | Main Profile  |
| H.265+                      | Main stream and sub-stream support  |
| Video Bit Rate              | 256 Kbps to 16 Mbps   |
| Audio Compression (-S)      | G.711/G.722.1/G.726/MP2L2/PCM   |
| Audio Bit Rate              | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, intrusion detection  |
| Face Detection              | Yes   |
| Region of Interest          | 1 fixed region for main stream and sub-stream   |
| <b>Image</b>                |   |
| Max. Resolution             | 2688 × 1520   |
| Main Stream                 | 50Hz:25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080)<br>60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080)   |
| Sub-Stream                  | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)  |
| Third Stream                | 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288)  |

|                               |   |
|-------------------------------|---|
|                               | 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)  |
| Image Enhancement             | BLC/3D DNR  |
| Image Setting                 | Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser                             |
| Target Cropping               | No  |
| Day/Night Switch              | Day/Night/Auto/Schedule/Triggered by alarm in (-S)  |
| <b>Network</b>                |   |
| Network Storage               | Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR   |
| Alarm Trigger                 | Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error                  |
| Protocols                     | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| General Function              | One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter    |
| API                           | ONVIF (PROFILE S, PROFILE G), ISAPI   |
| Simultaneous Live View        | Up to 6 channels  |
| User/Host                     | Up to 32 users<br>3 levels: Administrator, Operator and User  |
| Client                        | CMS, Guarding vision  |
| Web Browser                   | IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+  |
| <b>Interface</b>              |   |
| Audio (-S)                    | 1 input (line in/mic.in), 1 output (line out), terminal block, mono sound   |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port   |
| Alarm (-S)                    | 1 input, 1 output (up to 12 VDC, 30 mA), terminal block   |
| Video Output                  | No  |
| On-board storage              | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB  |
| SVC                           | H.264 and H.265 encoding  |
| Reset Button                  | Yes   |
| <b>Audio (-S)</b>             |   |
| Environment Noise Filtering   | Yes   |
| Audio Sampling Rate           | 16 kHz/32 kHz/44.1 kHz/48 kHz   |
| <b>General</b>                |   |
| Operating Conditions          | -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)   |
| Power Supply                  | 12 VDC ± 25%, Φ 5.5 mm coaxial power plug<br>PoE (802.3af, class 3)   |
| Power Consumption and Current | 12 VDC, 0.5A, max. 6W<br>PoE (802.3af, 37V to 57V), 0.2A to 0.1A, max. 7.5W   |
| Protection Level              | IP67, IK10<br>TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection                                   |
| Material                      | Metal   |
| Dimensions                    | Camera: Φ 111 × 82.4 mm (Φ 4.4" × 3.2")<br>Package: 134 × 134 × 108 mm (5.3" × 5.3" × 4.3")                                       |
| Weight                        | Camera: Approx. 610 g (1.3 lb.)<br>With Package: Approx. 820 g (1.8 lb.)  |

**Dimensions**



Unit: mm