

# Dome Network Camera

**2MP Dual Light Fixed  
lens Dome Network  
Camera with  
built in mic**



**SG-C2D-F2A-DL**

## Highlights

- High-Quality Imaging: 2MP resolution ensures superior image quality.
- Target Classification: Focus on human and vehicle classification based on advanced intelligent algorithms
- Smart Dual Light: advanced technology with long range
- Audio Security: Built-in microphone for real-time audio security
- Efficient Compression: Efficient H.265 compression technology
- Durable Design: Water and dust resistant (IP67)



This CCTV camera complies with Essential Requirements(S) for Security.

## Specification

| Camera                      |                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.9 inch Progressive Scan CMOS                                                                                                        |
| Max. Resolution             | 1920 × 1080                                                                                                                             |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                    |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR                                                                                   |
| Day & Night                 | IR cut filter                                                                                                                           |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                    |
| Lens                        |                                                                                                                                         |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional                                                                                                 |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 103°, vertical FOV 56°, diagonal FOV 121°<br>4 mm, horizontal FOV 83°, vertical FOV 44°, diagonal FOV 99°        |
| Lens Mount                  | M12                                                                                                                                     |
| Iris Type                   | Fixed                                                                                                                                   |
| Aperture                    | F1.6                                                                                                                                    |
| DORI                        |                                                                                                                                         |
| DORI                        | 2.8 mm, D: 45 m, O: 18 m, R: 9 m, I: 4 m<br>4 mm, D: 56 m, O: 22 m, R: 11 m, I: 5 m                                                     |
| Illuminator                 |                                                                                                                                         |
| Supplement Light Type       | IR, White Light                                                                                                                         |
| Supplement Light Range      | Up to 30 m                                                                                                                              |
| Smart Supplement Light      | Yes                                                                                                                                     |
| IR Wavelength               | 850 nm                                                                                                                                  |
| Video                       |                                                                                                                                         |
| Main Stream                 | 50 Hz: 25 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720)                                                      |
| Sub-Stream                  | 50 Hz: 25 fps (640 × 480, 640 × 360)<br>60 Hz: 30 fps (640 × 480, 640 × 360)                                                            |
| Video Compression           | Main stream: H.265/H.264,<br>Sub-stream: H.265/H.264/MJPEG                                                                              |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                                       |
| H.264 Type                  | Baseline Profile, Main Profile, High Profile                                                                                            |
| H.265 Type                  | Main Profile                                                                                                                            |
| Bit Rate Control            | CBR, VBR                                                                                                                                |
| Region of Interest (ROI)    | 1 fixed region for main stream                                                                                                          |
| Audio                       |                                                                                                                                         |
| Audio Type                  | Mono sound                                                                                                                              |
| Environment Noise Filtering | Yes                                                                                                                                     |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                            |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC                                                                                      |
| Audio Bit Rate              | 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)               |
| Network                     |                                                                                                                                         |
| Security                    | Password protection, complicated password, watermark, digest authentication for HTTP, WSSE and digest authentication for ONVIF, TLS 1.3 |

|                        |                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Simultaneous Live View | Up to 6 channels                                                                                                                                                |
| API                    | ONVIF (Profile S, Profile T, Profile M)                                                                                                                         |
| Protocols              | TCP/IP, UDP, ICMP, IGMP, Multicast, NTP, DDNS, SNMP, QoS, DHCP, IPv4, IPv6, DNS, HTTP, HTTPS, RTSP, SRTP/RTSPS, Bonjour, NAT, RTCP, UPnP, ONVIF, SSH, SMTP, ARP |
| User/Host              | Up to 32 users, 3 user levels: administrator, operator, and user                                                                                                |
| Web Browser            | Plug-in required live view: IE 10, IE 11,<br>Local service: Chrome 57.0+, Firefox 52.0+                                                                         |

### Image

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Wide Dynamic Range (WDR) | Digital WDR                                                                                                                 |
| SNR                      | ≥ 52 dB                                                                                                                     |
| Day/Night Switch         | Day, Night, Auto, Schedule                                                                                                  |
| Image Enhancement        | BLC, HLC, 3D DNR                                                                                                            |
| Image Settings           | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser |
| Privacy Mask             | 4 programmable polygon privacy masks                                                                                        |

### Interface

|                     |                                               |
|---------------------|-----------------------------------------------|
| Ethernet Interface  | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| Built-in Microphone | Yes                                           |

### Event

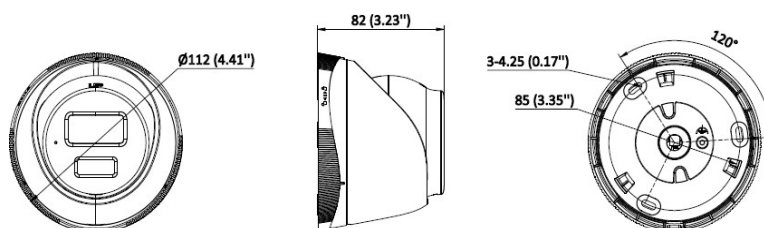
|             |                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| Basic Event | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception |
| Linkage     | Upload to FTP/SFTP, Send email, notify surveillance center, trigger capture                                                 |

### General

|                                  |                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Language                         | English, Hindi                                                                                                                 |
| Power                            | 12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 7.2 W |
| Material                         | Metal & Plastic                                                                                                                |
| Dimension                        | Ø112 mm × 82 mm (Ø4.41 inch × 3.23 inch)                                                                                       |
| Package Dimension                | 150 mm × 150 mm × 141 mm (5.9 inch × 5.9 inch × 5.6 inch)                                                                      |
| Weight                           | Approx. 340 g                                                                                                                  |
| With Package Weight              | Approx. 560 g                                                                                                                  |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                      |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                      |
| General Function                 | Heartbeat, anti-banding, mirror, password protection, password reset                                                           |
| Protection                       | IP67                                                                                                                           |

\*Specifications are subject to change without prior notice. \*Product picture may differ as per actual.

### Dimension



Unit:mm (inch)

