

## DS-2CD3021G0-I(UF) 2 MP Fixed Bullet Network Camera



- High quality imaging with 2 MP resolution
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to WDR technology
- 3D DNR technology delivers clean and sharp images
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67)



## ▪ Specification

| Camera                      |   |
|-----------------------------|---|
| Image Sensor                | 1/2.7" Progressive Scan CMOS  |
| Max. Resolution             | 1920 × 1080   |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR   |
| Shutter Time                | 1/3 s to 1/100,000 s  |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°  |
| Lens                        |   |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133°<br>4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109°<br>6 mm, horizontal FOV 56°, vertical FOV 29°, diagonal FOV 65° |
| Lens Mount                  | M12   |
| Aperture                    | F1.6  |
| DORI                        |   |
| DORI                        | 2.8 mm: D: 43 m, O: 17 m, R: 9 m, I: 5 m<br>4 mm: D: 53 m, O: 21 m, R: 11 m, I: 6 m<br>6 mm: D: 86 m, O: 34 m, R: 17 m, I: 9 m  |
| Illuminator                 |   |
| Supplement Light Range      | Up to 40 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)  |
| Third Stream                | 50 Hz: 1 fps (640 × 360)<br>60 Hz: 1 fps (640 × 360)  |
| Video Compression           | Main stream: H.265/H.264/H.265+/H.264+<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  |
| Region of Interest (ROI)    | 1 fixed region for main stream and sub-stream   |
| Audio                       |   |
| Audio Compression           | -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC  |
| Audio Bit Rate              | -UF: 64 Kbps(G.711 ulaw/G.711 alaw)/16 Kbps(G.722.1)/16 Kbps(G.726)/32 to 160 Kbps(MP2L2)/16 to 64 Kbps(AAC)  |
| Audio Sampling Rate         | -UF: 8 kHz/16 kHz   |
| Environment Noise Filtering | Yes   |
| Network                     |   |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  |
| Simultaneous Live View      | Up to 6 channels  |

|                                  |   |
|----------------------------------|---|
| API                              | Open Network Video Interface, ISAPI   |
| User/Host                        | Up to 32 users. 3 levels: administrator, operator and user  |
| Client                           | iVMS-4200, Hik-Connect  |
| 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>Image</b>                     |   |
| Image Settings                   | Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser  |
| Day/Night Switch                 | Day, Night, Auto, Schedule  |
| Wide Dynamic Range (WDR)         | 120 dB  |
| Image Enhancement                | BLC, HLC, 3D DNR  |
| <b>Interface</b>                 |   |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port   |
| Built-in Microphone              | -UF: Yes  |
| On-Board Storage                 | -UF: Built-in memory card slot, support microSD card, up to 256 GB  |
| Reset Key                        | -UF: Yes  |
| <b>Event</b>                     |   |
| Basic Event                      | Motion detection, video tampering alarm, exception  |
| Smart Event                      | Line crossing detection, intrusion detection  |
| Linkage                          | -I: Upload to FTP, notify surveillance center, send email, trigger capture<br>-IUF: Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture |
| <b>General</b>                   |   |
| Power                            | 12 VDC $\pm$ 25%, 0.4 A, max. 5 W, $\varnothing$ 5.5 mm coaxial power plug<br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  |
| Material                         | Metal & Plastic   |
| Dimension                        | 170.8 mm $\times$ 66 mm $\times$ 69.1 mm (6.72" $\times$ 2.59" $\times$ 2.7")   |
| Package Dimension                | 216 mm $\times$ 121 mm $\times$ 118 mm (8.5" $\times$ 4.8" $\times$ 4.6")   |
| Weight                           | Approx. 270 g (0.6 lb.)   |
| With Package Weight              | Approx. 481 g (1.1 lb.)   |
| 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)  |
| Language                         | English, Ukrainian  |
| General Function                 | Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter  |
| <b>Approval</b>                  |   |
| EMC                              | FCC SDoC (47 CFR Part 15, Subpart B);<br>CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014);<br>KC (KN 32: 2015, KN 35: 2015)              |

|             |   |
|-------------|---|
| Safety      | UL (UL 62368-1)<br>CB (IEC 62368-1: 2014+A11)<br>CE-LVD (EN 62368-1: 2014/A11: 2017)<br>BIS (IS 13252 (Part 1): 2010/IEC 60950-1: 2005) |
| Environment | CE-RoHS (2011/65/EU);<br>WEEE (2012/19/EU);<br>Reach (Regulation (EC) No 1907/2006)   |
| Protection  | IP67 (IEC 60529-2013)   |

### ▪ Available Model

DS-2CD3021G0-I (2.8/4/6 mm)

DS-2CD3021G0-IUF (2.8/4/6 mm)

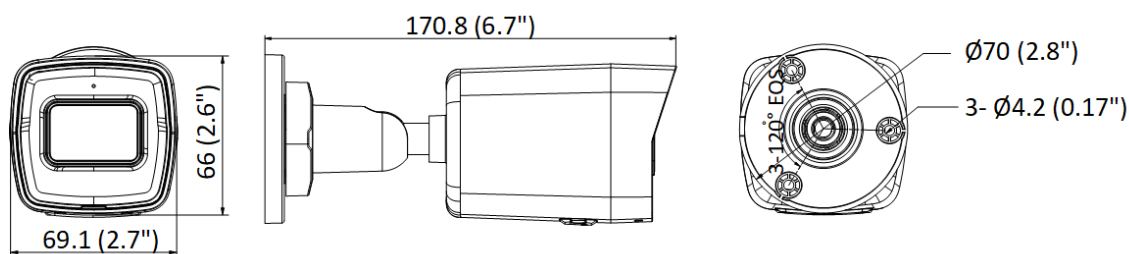
### ▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

| Level                  | Description  |
|------------------------|--|
| Top-level protection   | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.   |
| Moderate protection    | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.  |

### ▪ Dimension



Unit: mm (inch)

- Accessory
- Optional

**DS-1280ZJ-XS**
**Junction Box**


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