# DS-2CD1T23G0-I(UF)
## 2MP IR Bullet Network Camera

**DIGITAL WDR** | **H.265+** | **HD** | **IR** | **IP67**

- High quality imaging with 2 MP resolution

- Clear imaging against strong back light due to DWDR technology

- Efficient H.265+ compression technology

- Water and dustresistant (IP67)

- Easy installation with Power over Ethernet (PoE) technology

- 3D DNR technology delivers clean and sharp images

## ▪ Specification

| Camera | |
|---|---|
| Image Sensor | 1/2.7" Progressive Scan CMOS |
| Max. Resolution | 1920 × 1080 |
| Min. Illumination | Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR |
| Shutter Speed | 1/3 s to 1/100, 000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360° |
| **Lens** | |
| Lens Type | Fixed focal lens, 4 and 6 mm optional |
| Focal Length & FOV | 4 mm, horizontal FOV 90.2°, vertical FOV 48.6°, diagonal FOV 107.6°<br>6 mm, horizontal FOV 54.6°, vertical FOV 30.7°, diagonal FOV 62.7° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | 4 mm, F2.0<br>6 mm, F1.6 |
| **DORI** | |
| DORI | 4 mm, D: 51.1 m, O: 20.3 m, R: 10.2 m, I: 5.1 m<br>6 mm, D: 85.3 m, O: 33.9 m, R: 17.1 m, I: 8.5 m |
| **Illuminator** | |
| Supplement Light Type | IR |
| Supplement Light Range | Up to 50 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+/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 |
| Region of Interest (ROI) | 1 fixed region for main stream |
| **Audio** | |
| Audio Compression | -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC |
| Audio Bit Rate | -UF: 64 Kbps (G.711ulaw/G.711alaw)/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 | -UF: 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+ |
| **Image** | |
| 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) | Digital WDR |
| Image Enhancement | BLC, 3D DNR |
| **Interface** | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | -UF: Built-in memory card slot, support microSD card, up to 256 GB |
| Built-in Microphone | -UF: Yes |
| Hardware Reset | -UF: Yes |
| **Event** | |
| Basic Event | Motion detection, video tampering alarm, exception |
| Linkage | Upload to FTP/memory card (-UF), notify surveillance center, send email, trigger recording (-UF), trigger capture |
| **General** | |
| Power | 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 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 |
| Camera Material | Front cover: metal, body: plastic, bracket: metal |
| Camera Dimension | 83.7 mm × 80.7 mm × 205.6 mm (3.3" × 3.2"× 8.1") |
| Package Dimension | 260 mm × 125 mm × 125 mm (10.2" × 4.9" × 4.9") |
| Camera Weight | Approx. 420 g (0.9 lb.) |
| With Package Weight | Approx. 668 g (1.5 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) |
| Web Client Language | English, Ukrainian |
| General Function | Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter |
| **Approval** | |
| 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; |
| | WEEE: 2012/19/EU; |
| | Reach: Regulation (EC) No 1907/2006 |
| Protection | IP67: IEC 60529-2013 |

## ▪ Available Model

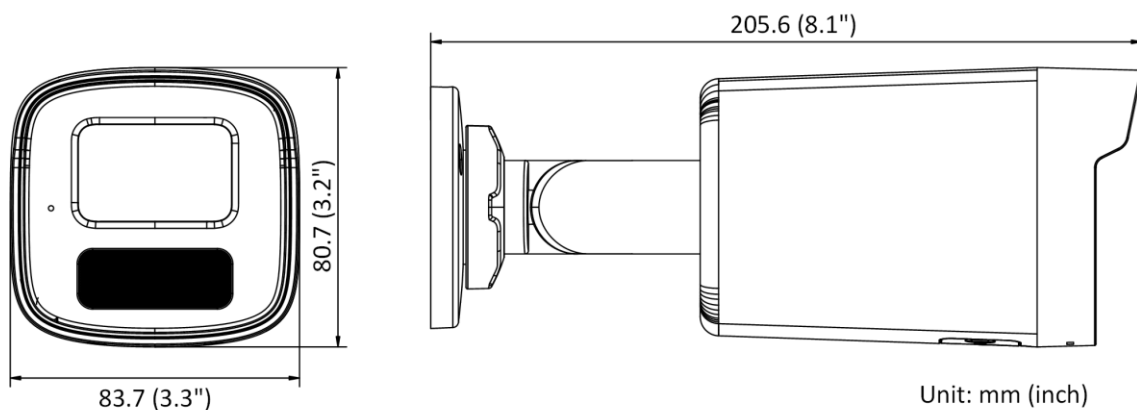DS-2CD1T23G0-I (4/6 mm)

DS-2CD1T23G0-IUF (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**

**HIKVISION**

Distributed by

**HIKVISION**

**Headquarters**
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

| **Hikvision USA** | **Hikvision Europe** | **Hikvision UK & Ireland** | **Hikvision UAE** | **Hikvision Russia** |
| --- | --- | --- | --- | --- |
| T +1-909-895-0400 | T +31-23-5542770 | T +01628-902140 | T +971-4-4432090 | T +7-495-669-67-99 |
| sales.usa@hikvision.com | sales.eu@hikvision.com | sales.uk@hikvision.com | salesme@hikvision.com | saleru@hikvision.com |
| **Hikvision Australia** | **Hikvision Italy** | **Hikvision South Africa** | **Hikvision Singapore** | **Hikvision Korea** |
| T +61-2-8599-4233 | T +39-0438-6902 | Tel: +27 (10) 0351172 | T +65-6684-4718 | T +82-(0)31-731-8817 |
| salesau@hikvision.com | info.it@hikvision.com | sale.africa@hikvision.com | sg@hikvision.com | sales.korea@hikvision.com |
| **Hikvision India** | **Hikvision Brazil** | **Hikvision France** | **Hikvision Spain** | **Hikvision Poland** |
| T +91-22-28469900 | T +55 11 3318-0050 | T +33(0)1-85-330-450 | T +34-91-737-16-55 | T +48-22-460-01-50 |
| sales@pramahikvision.com | Latam.support@hikvision.com | info.fr@hikvision.com | info.es@hikvision.com | info.pl@hikvision.com |
| **Hikvision Canada** | **Hikvision Turkey** | **Hikvision Kazakhstan** | **Hikvision Tashkent** | **Hikvision Indonesia** |
| T +1-866-200-6690 | T +90 (216)521 7070- 7074 | T +7-727-9730667 | T +99-87-1238-9438 | T +62-21-2933759 |
| sales.canada@hikvision.com | sales.tr@hikvision.com | nikia.panfilov@hikvision.ru | uzb@hikvision.ru | Sales.Indonesia@hikvision.com |
| **Hikvision Thailand** | **Hikvision Malaysia** | **Hikvision Vietnam** | **Hikvision Hong Kong** | **Hikvision Colombia** |
| T +662-275-9949 | T +601-7652-2413 | T +84-974270888 | T +852-2151-1761 | sales.colombia@hikvision.com |
| sales.thailand@hikvision.com | sales.my@hikvision.com | sales.vt@hikvision.com | info.hk@hikvision.com | |

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