

DS-2CD2123G2-I(S) 2 MP AcuSense Fixed Dome Network Camera

AcuSense



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 2 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- -S: audio and alarm interface available
- Water and dust resistant (IP67) and vandal resistant (IK10)



▪ Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/2.8" 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 |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° |
| Lens | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 104° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F1.6 |
| Depth of Field | 2.8 mm: 1 m to ∞ 4 mm: 1.2 m to ∞ |
| DORI | |
| DORI | 2.8 mm: D: 44 m, O: 17 m, R: 9 m, I: 4 m 4 mm: D: 54 m, O: 21 m, R: 11 m, I: 5 m |
| Illuminator | |
| Supplement Light Type | IR |
| 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) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) |
| Third Stream | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360), *Third stream is supported under certain settings. |
| Video Compression | Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG 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 |
| Bit Rate Control | CBR, VBR |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 1 fixed region(s) for main stream and sub-stream |
| Audio | |
| Audio Compression | -S: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC |

| | |
|-----------------------------|---|
| Audio Bit Rate | -S: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC) |
| Audio Sampling Rate | -S: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | -S: Yes |
| Network | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP |
| Smooth Streaming | Yes |
| User/Host | Up to 32 users 3 user levels: administrator, operator, and user |
| Security | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.3, host authentication (MAC address) |
| Network Storage | NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported. |
| Client | iVMS-4200, Hik-Connect, Hik-Central |
| Web Browser | Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ |
| Image | |
| Image Parameters Switch | Yes |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | ≥ 52 dB |
| Image Enhancement | BLC, HLC, 3D DNR |
| Privacy Mask | Yes |
| Interface | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | Built-in memory card slot, support microSD card, up to 256 GB |
| Audio | -S: 1 input (line in), two-core terminal block , max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block , max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound |
| Alarm | -S: 1 input, 1 output (max. 12 VDC, 30 mA) |
| Reset Key | Yes |

| Event | |
|----------------------------------|---|
| Basic Event | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception |
| Smart Event | Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), Face detection |
| Linkage | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output (-S), audible warning (-S) |
| General | |
| Power | 12 VDC \pm 25%, 0.5 A, max. 6 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 7.5 W |
| Material | Body: aluminum alloy, bubble: plastic |
| Dimension | \varnothing 110.8 mm \times 84.7 mm (\varnothing 4.4" \times 3.3") |
| Package Dimension | 134 mm \times 134 mm \times 108 mm (5.3" \times 5.3" \times 4.3") |
| Weight | Approx. 530 g (1.2 lb.) |
| With Package Weight | Approx. 720 g (1.6 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 | 33 languages 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 Function | Anti-flicker, heartbeat, mirror, privacy mask, password reset via email, pixel counter |
| Approval | |
| EMC | FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015 |
| Safety | UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017 |
| Environment | CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006 |
| Protection | IP67: IEC 60529-2013, IK10: IEC 62262:2002 |

▪ Available Model

DS-2CD2123G2-I (2.8/4 mm)

DS-2CD2123G2-IS (2.8/4 mm)

DS-2CD2123G2-I (2.8/4 mm) (Black)

DS-2CD2123G2-IS (2.8/4 mm) (Black)

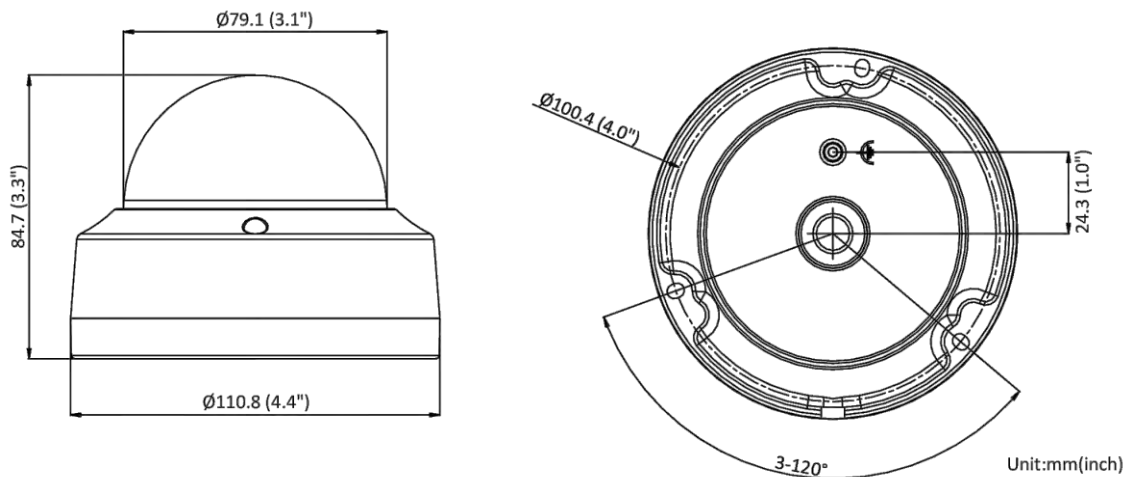
▪ Typical Application

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



▪ Accessory

▪ Optional

| DS-1272ZJ-110B Wall Mount | DS-1280ZJ-DM18 Junction Box | DS-1276ZJ-SUS(Black) Corner Mount | DS-1275ZJ-SUS Vertical Pole Mount | DS-1272ZJ-110B(Black) |
|------------------------------|--------------------------------|--------------------------------------|---|-----------------------------|
| | | | | |
| DS-1250ZJ Rain Shade | DS-1250ZJ(Black) Rain Shade | DS-1276ZJ-SUS Corner Mount | DS-1275ZJ-SUS(Black) Vertical Pole Mount | DS-1272ZJ-110 Wall Mount |

| | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
| DS-1259ZJ(Black) Inclined Ceiling Mount | DS-1259ZJ Inclined Ceiling Mount | DS-1271ZJ-110 Pendant Mount | DS-1280ZJ- DM18(Black) Junction Box | DS-1272ZJ-110(Black) Wall Mount |
|  |  |  |  |  |
| DS-1271ZJ-110(Black) Pendant Mount | | | | |
|  | | | | |

Distributed by

**HIKVISION****Headquarters**

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

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com

Hikvision Turkey
T +90 [216]521 7070- 7074
sales.tr@hikvision.com

Hikvision Malaysia
T +601-7652-2413
sales.my@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com