

DS-2CD3163G2-ISU 6 MP AcuSense Fixed Dome Network Camera

AcuSense















Hikvision has been dedicated to develop products with security since established.

Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection.

In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with 6 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Focus on human and vehicle classification based on deep learning
- Built-in arrayed dual-microphone for real-time high quality audio security
- Water and dust resistant (IP67) and vandal-resistant (IK10)



Specification

| Image Sensor 1/2.5" Progressive Scan CMOS Max. Resolution 3200 x 1800 Min. Illumination Color: 0.005 Lux @ (F1.6, AGC ON), 8/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 Lens Type Fixed focal lens, 2.8, 4, and 6 mm optional Lens Type Fixed focal lens, 2.8, 4, and 6 mm optional Lens Mount M12 Lens Mount M12 Liris Type Fixed Aperture Fixed DoRl 2.8 mm; 1.8 m to ∞ DoRl 2.8 mm; 0.7 6 m, 0.30 m, R: 15 m, | Camera | | | | | |
|---|------------------------|--|--|--|--|--|
| Max. Resolution 3200 × 1800 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 Boy & Night IR cut filter Angle Adjustment Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° Lens V Lens Type Fixed focal lens, 2.8, 4, and 6 mm optional Lens Type 2.8 mm, horizontal FOV 104.6°, vertical FOV 56.9°, diagonal FOV 127.3° Focal Length & FOV 4 mm, horizontal FOV 78.4°, vertical FOV 26.3°, diagonal FOV 197.4° Lens Mount M12 List Mount M12 Lens Mount M12 List Mount M12 List Stype Fixed Aperture Fixed | | 1/2 5" Progressive Scan CMOS | | | | |
| 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 Fixed focal lens, 2.8, 4, and 6 mm optional Lens Type Fixed focal lens, 2.8, 4, and 6 mm optional Focal Length & FOV 4 mm, horizontal FOV 104.6°, vertical FOV 38.3°, diagonal FOV 96° 6 mm, horizontal FOV 50.5°, vertical FOV 26.3°, diagonal FOV 96° 6 mm, horizontal FOV 50.5°, vertical FOV 26.3°, diagonal FOV 59.4° Lens Mount M12 Iris Type Fixed Aperture F1.6 2.8 mm: 1.8 m to ∞ 4 mm: 3.1 m to ∞ 6 mm: 6.4 m to ∞ DORI 2.8 mm, D: 76 m, O: 30 m, R: 15 m, I: 7 m 4 mm, D: 15 m, O: 45 m, R: 23 m, I: 16 m Illuminator Supplement Light Type IR Supplement Light Range Up to 40 m Smart Supplement Light Yes 18 Wavelength 850 nm Video 50 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: <td>_</td> <td colspan="5">-</td> | _ | - | | | | |
| Shutter Time 1/3 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Pen: 0* to 355°, tilt: 0* to 75°, rotate: 0* to 355° Lens Vental Section of Call Length & Fov Lens Type Fixed focal lens, 2.8, 4, and 6 mm optional Focal Length & FOV 4 mm, horizontal FOV 104.6°, vertical FOV 54.9°, diagonal FOV 127.3° Focal Length & FOV 4 mm, horizontal FOV 50.5°, vertical FOV 38.3°, diagonal FOV 95° 6 mm, horizontal FOV 50.5°, vertical FOV 26.3°, diagonal FOV 59.4° Lens Mount M12 Iris Type Fixed Aperture F1.6 2.8 mm: 1.8 m to ∞ 4 mm: 3.1 m to ∞ 6 mm: 6.4 m to ∞ 6 mm: 6.4 m to ∞ DORI 2.8 mm, D: 76 m, O: 30 m, R: 15 m, I: 7 m 4 mm, D: 115 m, O: 45 m, R: 23 m, I: 11 m 6 mm, D: 164 m, O: 65 m, R: 32 m, I: 16 m Illuminator Supplement Light Type IR Supplement Light Range Up to 40 m Smart Supplement Light Yes R Wavelength 850 mm Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1 | | | | | | |
| Day & Night IR cut filter Angle Adjustment Pan: 0* to 355*, tilt: 0* to 75*, rotate: 0* to 355* Lens Vixed focal lens, 2.8, 4, and 6 mm optional 2.8 mm, horizontal FOV 104.6*, vertical FOV 54.9*, diagonal FOV 127.3* Focal Length & FOV 4 mm, horizontal FOV 708.4*, vertical FOV 54.9*, diagonal FOV 96* 6 mm, horizontal FOV 50.5*, vertical FOV 26.3*, diagonal FOV 59.4* Lens Mount M12 Iris Type Fixed Aperture F1.6 2.8 mm: 1.8 m to ∞ 6 mm: 6.4 m to ∞ 6 mm: 6.4 m to ∞ 6 mm: 6.4 m to ∞ 6 mm: 0.15 m, 0.25 m, R: 23 m, I: 11 m 6 mm, D: 164 m, 0:65 m, R: 32 m, I: 16 m Illuminator Supplement Light Range Up to 40 m Supplement Light Range Up to 40 m Smart Supplement Light Range Up to 40 m Main Stream 850 mm Video Main Stream 50 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) | | | | | | |
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| Elens Type | | | | | | |
| Pocal Length & FOV | | Fixed focal lens, 2.8, 4, and 6 mm optional | | | | |
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| DORI | DORI | | | | | |
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| Supplement Light Type IR Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 nm Video Main Stream 50 Hz: | | | | | | |
| Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 nm Video Main Stream 50 Hz: | Illuminator | | | | | |
| Smart Supplement Light Yes IR Wavelength 850 nm Video 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | Supplement Light Type | IR | | | | |
| IR Wavelength 850 nm Video 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | Supplement Light Range | Up to 40 m | | | | |
| Video Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 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) | Smart Supplement Light | Yes | | | | |
| Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | IR Wavelength | 850 nm | | | | |
| Main Stream 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 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) | Video | | | | | |
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| Sub-Stream 50 Hz: 25 fps (1280 × 720,640 × 480,640 × 360) 60 Hz: 30 fps (1280 × 720,640 × 480,640 × 360) 50 Hz: 10 fps (1920 × 1080,1280 × 720,640 × 480,640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080,1280 × 720,640 × 480,640 × 360) | Maiii Su eaiii | 60 Hz: | | | | |
| Sub-Stream 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | | 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) | | | | |
| Sub-Stream 60 Hz: 30 fps (1280 × 720,640 × 480,640 × 360) 50 Hz: 10 fps (1920 × 1080,1280 × 720,640 × 480,640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080,1280 × 720,640 × 480,640 × 360) | | 50 Hz: | | | | |
| 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | Sub-Stream | 25 fps (1280 × 720, 640 × 480, 640 × 360) | | | | |
| 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | Sub-Stream | 60 Hz: | | | | |
| 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | | 30 fps (1280 × 720, 640 × 480, 640 × 360) | | | | |
| Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | | 50 Hz: | | | | |
| 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | | 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | | | | |
| | Third Stream | 60 Hz: | | | | |
| *Third stream is supported under certain settings. | | 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) | | | | |
| | | *Third stream is supported under certain settings. | | | | |



| | 50 Hz: | | | | |
|---|---|--|--|--|--|
| | 10 fps (1280 × 720, 640 × 480, 640 × 360) | | | | |
| Fourth Stream | 60 Hz: | | | | |
| | 10 fps (1280 × 720,640 × 480,640 × 360) | | | | |
| | *Fourth stream is supported under certain settings. | | | | |
| | Main stream: H.265/H.264/H.264+/H.265+, | | | | |
| Video Compression | Sub-stream: H.265/H.264/MJPEG, | | | | |
| | Third stream: H.265/H.264, | | | | |
| | Fourth stream: H.265/H.264/MJPEG | | | | |
| | *Third stream and fourth stream are supported under certain settings. | | | | |
| Video Bit Rate | 32 Kbps to 16 Mbps | | | | |
| H.264 Type | Baseline Profile/Main Profile/High Profile | | | | |
| H.265 Type | Main Profile | | | | |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding | | | | |
| Bit Rate Control | CBR, VBR | | | | |
| Region of Interest (ROI) | 5 fixed regions for main stream and sub-stream | | | | |
| Target Cropping | Yes | | | | |
| Audio | | | | | |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC | | | | |
| | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps | | | | |
| Audio Bit Rate | (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC) | | | | |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/48 kHz | | | | |
| Environment Noise Filtering | Yes | | | | |
| Network | | | | | |
| | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, | | | | |
| Protocols | SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, | | | | |
| | WebSocket, WebSockets | | | | |
| Simultaneous Live View | Up to 6 channels | | | | |
| API | ONVIF (Profile S, Profile G), ISAPI, SDK, ISUP | | | | |
| | Password protection, complicated password, HTTPS encryption, IP address filter, | | | | |
| Security | Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE | | | | |
| , | and digest authentication for Open Network Video Interface | | | | |
| User/Host | Up to 32 users | | | | |
| | 3 user levels: administrator, operator, and user | | | | |
| | NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), | | | | |
| Network Storage | Together with high-end Hikvision memory card, memory card encryption and health | | | | |
| Network Storage | detection are supported. | | | | |
| Client | iVMS-4200, Hik-Connect, Hik-Central | | | | |
| - Charles | Plug-in required live view: IE11, | | | | |
| Web Browser | Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+, | | | | |
| Web blowsel | Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+ | | | | |
| Image | 2000. Service. Cirionic 60., Frictor 60., Euge 65., Suidit 15. | | | | |
| Image Parameters Switch | Yes | | | | |
| | | | | | |
| Image Settings | Rotate mode | | | | |
| Day/Night Switch | Day Night Auto Schodula | | | | |
| Day/Night Switch Wide Dynamic Range (WDR) | Day, Night, Auto, Schedule 120 dB | | | | |



| SNR | ≥ 52 dB | | | | |
|------------------------|---|--|--|--|--|
| Image Enhancement | BLC, HLC, 3D DNR | | | | |
| Privacy Mask | 8 programmable polygon privacy masks | | | | |
| Interface | | | | | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port | | | | |
| On-Board Storage | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB | | | | |
| | Built-in Microphone: Arrayed dual-microphone | | | | |
| Audio | 1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface | | | | |
| | type: non-equilibrium; | | | | |
| | 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100Ω , | | | | |
| | interface type: non-equilibrium | | | | |
| Alarm | 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 | | | | |
| Dasic Event | vehicle)), video tampering alarm, exception | | | | |
| | Unattended baggage detection, object removal detection, loitering detection, people | | | | |
| Smart Event | gathering detection, people running detection, parking detection, video quality | | | | |
| | diagnosis | | | | |
| Linkage | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm | | | | |
| Linkage | output, trigger recording, trigger capture | | | | |
| Deep Learning Function | | | | | |
| Face Capture | Yes | | | | |
| Perimeter Protection | Line crossing, intrusion, region entrance, region exiting | | | | |
| Termicier Frotestion | Support alarm triggering by specified target types (human and vehicle) | | | | |
| General | | | | | |
| | 12 VDC ± 25%, 0.7 A, max. 8.4 W, Ø5.5 mm coaxial power plug, reverse polarity | | | | |
| Power | protection, | | | | |
| | PoE: IEEE 802.3af, Class 3, max. 10 W | | | | |
| Material | Base: aluminum alloy, cover: aluminum alloy | | | | |
| Dimension | Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84") | | | | |
| Package Dimension | 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6") | | | | |
| Weight | Approx. 600 g (1.3 lb.) | | | | |
| With Package Weight | Approx. 826 g (1.8 lb.) | | | | |
| Storage Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) | | | | |
| Startup and Operating | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) | | | | |
| Conditions | 30 C to 00 C (22 1 to 140 1). Humary 337801 (css (non-condensing) | | | | |
| | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, | | | | |
| Language | 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 | Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding | | | | |



| Approval | |
|-------------|--|
| EMC | CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC |
| | 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, |
| | RCM: AS/NZS CISPR 32: 2015, |
| | IC: ICES-003: Issue 7 |
| | UL: UL 62368-1, |
| | CB: IEC 62368-1:2014+A11, |
| Safety | CE-LVD: EN 62368-1:2014/A11:2017, |
| | BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, |
| | LOA: IEC/EN 60950-1 |
| | CE-RoHS: 2011/65/EU, |
| Environment | WEEE: 2012/19/EU, |
| | Reach: Regulation (EC) No 1907/2006 |
| Protection | IP67: IEC 60529-2013, IK10: IEC 62262:2002 |

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 | | |
|------------------------|---|--|--|
| | Hikvision products at this level are equipped for use in areas where professional | | |
| Top-level protection | 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. | | |

Available Model

DS-2CD3163G2-IU(2.8mm)(B)

DS-2CD3163G2-IU(4mm)(B)

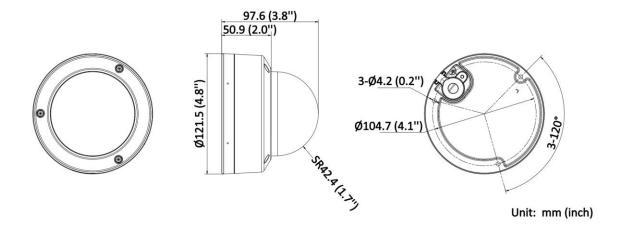
DS-2CD3163G2-ISU(2.8mm)(B)

DS-2CD3163G2-ISU(4mm)(B)

DS-2CD3163G2-ISU(6mm)(B)

Dimension







Accessory

Optional

| DS-1272ZJ-120 Wall mount | DS-1272ZJ-120B Wall mount | DS-1271ZJ-120 Pendant Mount | DS-1275ZJ-SUS Vertical pole mount | DS-1276ZJ-SUS Corner mount |
|--------------------------------|---------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|
| | e e | | • 66 | |
| | 0 | 6 | | 6. |
| DS-1280ZJ-DM46 Junction box | DS-2280ZJ-WA120 Junction box | DS-2210ZJ-WA-120 Pendant Mount | DS-2200ZJ-WA-120 Wall mount | DS-2200ZJ-WAJ-12 0 Wall mount |
| | | | | 0 |
| | | | | |

See Far, Go Further



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