

# DS-2CD1023G2-LIU(F) 2 MP Fixed Bullet Network Camera













- High quality imaging with 2 MP resolution
- Support Human and Vehicle Detection
- Smart Dual-Light: advanced technology with long range
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67)
- Efficient H.265+ compression technology
- Support on-board storage up to 256 GB (SD card slot) (Optional)



# Specification

Camera	
Image Sensor	1/2.9" 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 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Sacrath & SOV	2.8 mm, horizontal FOV 103°, vertical FOV 56°, diagonal FOV 121°
Focal Length & FOV	4 mm, horizontal FOV 83°, vertical FOV 44°, diagonal FOV 99°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
DORI	
DOBI	2.8 mm, D: 45 m, O: 18 m, R: 9 m, I: 4 m
DORI	4 mm, D: 56 m, O: 22 m, R: 11 m, I: 5 m
Illuminator	
Supplement Light Type	IR, White Light
Cumplement Light Dance	IR: up to 30 m
Supplement Light Range	White Light: up to 20 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720)
Iviaiii Streaiii	60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360)
Sub-Stream	60 Hz: 30 fps (640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264,
video compression	Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
Н.264 Туре	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)



Interface, security audit log, host authentication (MAC address)  Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)), ISAPI, SDK Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPV6, UDP, QoS, FTP, SMTP User/Host 3 user levels: administrator, operator, and user  Client IVMS-4200, Hik-Connect Web Browser Plug-in required live view: IE 10, IE 11, Local service: chrome 57.0+, Firefox 52.0+  Image Wide Dynamic Range (WDR) Digital WDR SNR 2 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  Ethernel Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port  -F: Built-in Microphone Yes Reset Key -F: Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Linkage Weight Wolford Scholar (F), trigger capture  General  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, Pof: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 459 g (1.1 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Language English, Ukrainian	Network	
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Simultaneous Live View Up to 6 channels  API Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)), ISAPI, SDK  Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP  User/Host Up to 32 users 3 user levels: administrator, operator, and user  Client iVMS-4200, Hik-Connect  Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+  Image  Wide Dynamic Range (WDR) Digital WDR  SNR 2 52 dB  Day/Night Switch Day, Night, Auto, Schedule  Image Enhancement BLC, HLC, 3D DNR  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  -F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB  Built-in Microphone Yes  Reset Key -F: Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Linkage Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  General  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802. 3af, Class 3, max. 6.5 W  Material Metal Alastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 459 g (1.1 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Language English, Ukrainian	Security	authentication for HTTP, WSSE and digest authentication for Open Network Video
API Spen Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)), ISAPI, SDK Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP Uprof 32 users 3 user levels: administrator, operator, and user Client IVMS-4200, Hik-Connect Web Browser Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+  Image Wide Dynamic Range (WDR) Digital WDR SNR 2 52 dB Day/Night Switch Day, Night, Auto, Schedule Image Enhancement BLC, HLC, 3D DNR 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 R145 10 M/100 M self-adaptive Ethernet port GB Built-in Microphone Yes Reset Key -F: Yes Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception Linkage General  1 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, Pof: IEEE B02.3af, Class 3, max. 6.5 W Material Metal & Plastic Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7") Package Dimension 210 Cto 60 °C (-22 "F to 140 "F). Humidity 95% or less (non-condensing) Startup and Operating Conditions Language English, Ukrainian		Interface, security audit log, host authentication (MAC address)
ISAPI, SDK   ISAPI, SDK   Protocols   TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP   Up to 32 users   3 user levels: administrator, operator, and user   Client   IVMS-4200, Hik-Connect   Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+   Image   Wide Dynamic Range (WDR)   Digital WDR   Day/Night Switch   Day, Night, Auto, Schedule   Image Enhancement   BLC, HLC, 3D DNR   Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser   Privacy Mask   4 programmable polygon privacy masks   Interface   1 RJ45 10 M/100 M self-adaptive Ethernet port   Fisilit-in memory card slot, support microSDMC/microSDMC card, up to 256 GB   Built-in Microphone   Yes   Yes	Simultaneous Live View	Up to 6 channels
ISAPI, SDK	A DI	Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)),
User/Host 3 users   3 user levels: administrator, operator, and user	API	ISAPI, SDK
Suser levels: administrator, operator, and user	Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP
Suser levels: administrator, operator, and user    Web Browser   IVMS-4200, Hik-Connect	User/Host	Up to 32 users
Plug-in required live view: IE 10, IE 11,		3 user levels: administrator, operator, and user
Web Browser         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         1 R145 10 M/100 M self-adaptive Ethernet port           Chernet Interface         1 R145 10 M/100 M self-adaptive Ethernet port           On-Board Storage         GB           Built-in Microphone         Yes           Reset Key         -F: Yes           Event         Fryes           Event         Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception           Linkage         Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture           General         12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, pot: IEEE 802.3af, Class 3, max. 6.5 W           Material         Metal & Plastic           Dimension         170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")	Client	iVMS-4200, Hik-Connect
Image  Wide Dynamic Range (WDR)  Digital WDR  SNR  ≥ 52 dB  Day, Night, Auto, Schedule Image Enhancement  BLC, HLC, 3D DNR  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  -F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB  Built-in Microphone  Yes  Reset Key  -F: Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  General  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material  Metal & Plastic  Dimension  170.8 mm × 66 mm × 9.1 mm (6.7" × 2.6" × 2.7")  Package Dimension  216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight  Approx. 265 g (0.6 lb.)  With Package Weight  Approx. 495 g (1.1 lb.)  Startup and Operating Conditions  Language  English, Ukrainian	Weh Browser	Plug-in required live view: IE 10, IE 11,
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     1 RJ45 10 M/100 M self-adaptive Ethernet port       6B     -F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB       Built-in Microphone     Yes       Reset Key     -F: Yes       Fevent       Basic Event     Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception       Linkage     Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture       General       12 VDC±25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W       Material     Metal & Plastic       Dimension     170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")       Package Dimension     216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")       Weight     Approx. 265 g (0.6 lb.)       With Package Weight     Approx. 495 g (1.1 lb.)       Storage Conditions     -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condens	Web blowser	Local service: Chrome 57.0+, Firefox 52.0+
SNR ≥ 52 dB  Day/Night Switch Day, Night, Auto, Schedule  Image Enhancement BLC, HLC, 3D DNR  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  -F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB  Built-in Microphone Yes  Reset Key -F: Yes  Event  Basic Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø.5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 g (1.1 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Conditions  English, Ukrainian	Image	
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Interface  Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port  On-Board Storage 6B  Built-in Microphone 7es Reset Key -F: Yes  Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Linkage Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  General 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal 8 Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 g (1.1 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  English, Ukrainian		adjustable by client software or web browser
Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port  -F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB  Built-in Microphone Yes Reset Key -F: Yes  Event  Basic Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Linkage Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  General  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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  English, Ukrainian	Privacy Mask	4 programmable polygon privacy masks
-F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB  Built-in Microphone Yes  Reset Key -F: Yes  Event  Basic Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Linkage Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  General  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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  Language English, Ukrainian	Interface	
GB  Built-in Microphone Yes  Reset Key -F: Yes  Fvent  Basic Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Linkage Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  Foeral  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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  Language English, Ukrainian	Ethernet Interface	
F: Yes         Event         Basic Event       Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception         Linkage       Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture         General       12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W         Material       Metal & Plastic         Dimension       170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")         Package Dimension       216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")         Weight       Approx. 265 g (0.6 lb.)         With Package Weight       Approx. 495 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	On-Board Storage	
Event         Basic Event       Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception         Linkage       Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture         General       12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W         Material       Metal & Plastic         Dimension       170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")         Package Dimension       216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")         Weight       Approx. 265 g (0.6 lb.)         With Package Weight       Approx. 495 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	Built-in Microphone	Yes
Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  General  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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)  English, Ukrainian	Reset Key	-F: Yes
Basic Eventvehicle)), video tampering alarm, exceptionLinkageUpload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger captureGeneral12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 WMaterialMetal & PlasticDimension170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")Package Dimension216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")WeightApprox. 265 g (0.6 lb.)With Package WeightApprox. 495 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)LanguageEnglish, Ukrainian	Event	
Linkage  Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material  Metal & Plastic  Dimension  170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension  216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight  Approx. 265 g (0.6 lb.)  With Package Weight  Approx. 495 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  English, Ukrainian	Basic Event	
General  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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)  English, Ukrainian		· · · · · · · · · · · · · · · · · · ·
Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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  Language English, Ukrainian	Linkage	
Power protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W  Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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  Language English, Ukrainian	General	
Material Metal & Plastic  Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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  Language English, Ukrainian		12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity
MaterialMetal & PlasticDimension170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")Package Dimension216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")WeightApprox. 265 g (0.6 lb.)With Package WeightApprox. 495 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)LanguageEnglish, Ukrainian	Power	protection,
Dimension 170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")  Package Dimension 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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  Language English, Ukrainian		PoE: IEEE 802.3af, Class 3, max. 6.5 W
Package Dimension  216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")  Weight  Approx. 265 g (0.6 lb.)  With Package Weight  Approx. 495 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  Language  English, Ukrainian	Material	Metal & Plastic
Weight Approx. 265 g (0.6 lb.)  With Package Weight Approx. 495 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  Language English, Ukrainian	Dimension	170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")
With Package Weight  Approx. 495 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  Conditions  English, Ukrainian	Package Dimension	216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")
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)  English, Ukrainian	Weight	Approx. 265 g (0.6 lb.)
Startup and Operating Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  English, Ukrainian	With Package Weight	Approx. 495 g (1.1 lb.)
Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Language  English, Ukrainian	Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language English, Ukrainian		-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
<u> </u>		English, Ukrainian
	General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email



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,
	RCM: AS/NZS CISPR 32: 2015,
	IC: ICES-003: Issue 7
Safety	UL: UL 62368-1,
	CB: IEC 62368-1: 2014+A11,
	CE-LVD: EN 62368-1: 2014/A11: 2017,
	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

### 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.

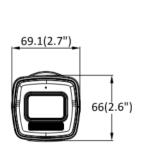
This model has NO SPECIFIC PROTECTION.

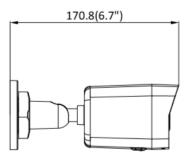
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti- corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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.

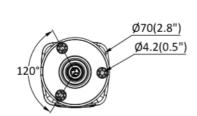
#### Available Model

DS-2CD1023G2-LIU (2.8/4 mm) DS-2CD1023G2-LIUF (2.8/4 mm)

#### Dimension







Unit: mm (inch)



## Accessory

### Optional



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