

HIKVISION

DS-2CD1743G2E-LIZU 4 MP Smart Hybrid Light Varifocal Dome Network Camera



- High quality imaging with 4 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Clear imaging against strong back light due to 120 dB true WDR technology
- Support on-board storage up to 512 GB (SD card slot)
- Efficient H.265+ compression technology
- Built-in microphone for real-time audio security
- 2.8 to 12 mm motorized varifocal lens for easy installation and monitoring
- Water and dust resistant (IP67), vandal proof (IK08)



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# Specification

Camera				
Image Sensor	1/3 " Progressive Scan CMOS			
Max. Resolution	2560 × 1440			
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 70°, rotate: 0° to 355°			
Lens				
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm			
	2.8 to 12 mm, horizontal FOV 96.7° to 29.7°, vertical FOV 51.7° to 16.7°, diagonal FOV			
Focal Length & FOV	114.3° to 34°			
Lens Mount	Ø14			
Iris Type Fixed				
Aperture	F1.6			
DORI				
DORI	D: 64.0 to 198.0 m, O: 25.4 to 78.6 m, R: 12.8 to 39.6 m, I: 6.4 to 19.8 m			
Illuminator				
Supplement Light Type	IR, White Light			
Supplement Light Range	Up to 30 m			
Smart Supplement Light	Yes			
IR Wavelength	850 nm			
Video				
Main Stream	50 Hz: 20 fps (2560 × 1440) 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440) 24 fps (1920 × 1080, 1280 × 720)			
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)			
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG			
Video Bit Rate	32 Kbps to 16 Mbps			
Н.264 Туре	Baseline Profile, Main Profile, High Profile			
Н.265 Туре	Main Profile			
Bit Rate Control	CBR, VBR			
Scalable Video Coding (SVC)	H.264 and H.265 encoding			
Region of Interest (ROI)	1 fixed region for main stream			
Audio				
Audio Type	Mono sound			
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC			
Audio Bit Rate	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-LC)			
Audio Sampling Rate	8 kHz/16 kHz			
Environment Noise Filtering	Yes			



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ProtocolsTCP/IP (CMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPV6, UDP, QoS, FTP, SIMUSimultaneous Live ViewUp to 6 channelsAPIOpen Network Video Interface (Profile 5, Profile G, Profile T), ISAPI, SDKUser/IostUp to 3 users3 user levels: administrator, operator, and userSecurityAuthentication for ITTP, WSSE and digest authentication for Open Network Video Interface, security audit log, lost authentication (MAC address)ClientVMS-4200, Hik-ConnectWeb BrowserPlug-in required live view: IE 10, IE 11, Local service: Chome 57.0+, Firefox 52.0+, Edge 89+DargeMate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browserDay/Night SwitchDay, Night, Auto, ScheduleDay/Night SwitchBuc, HLC, 3D DNRPrivacy MaskA programmable polygon privacy masksItnege11.453 DN/100 M self-adaptive Ethernet portOn-Board StorageBuilt-In memory card slot, support microSD/microSDMc/microSDXC card, up to 512 GBBuilt-In MicrophoneYes, 1 built-In microphoneSci 1 input (Time in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KQ, interface type: non-equilibrium S-1 sinput (Time in), two-core terminal block, max. input amplitude: 3.3 Vpp, input (Time in), two-core terminal block, max. input amplitude: 3.3 Vpp, input (Time in), two-core terminal block, max. input amplitude: 3.3 Vpp, input (Time in), two-core terminal block, max. input amplitude: 3.3 Vpp, input (Time in), two-core terminal block, max. input amplitude: 3.3 Vpp, input (Time in), two-core terminal block, max. input amplitude: 3.3 Vpp, input (Ti	Network				
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Wide Dynamic Range (WDR)120 dBSNR> 52 dBImage EnhancementBLC, HLC, 3D DNRPrivacy Mask4 programmable polygon privacy masksInterfaceEthernet Interface1 RJ45 10 M/100 M self-adaptive Ethernet portOn-Board StorageBuilt-in microphoneBuilt-in MicrophoneYes, 1 built-in microphoneAudio5:1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KQ, interface type: non-equilibrium -5:1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Q, interface type: non-equilibriumAlarm-5:1 input, 1 output (max. 12 VDC, 30 mA)Reset KeyYesEventWolton detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionLinkageUpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-5 model) trigger alarm outputGeneral12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, Pote: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package DimensionM21.5 mm × 97.6 mm (Ø4.78" × 3.84")WeightAprox. 540 g (1.2 lb.)With Package WeightAprox. 740 g (1.6 lb.)	inage Settings	adjustable by client software or web browser			
SNR≥ 52 dBImage EnhancementBLC, HLC, 3D DNRPrivacy Mask4 programmable polygon privacy masksInterfaceEthernet Interface1 RI45 10 M/100 M self-adaptive Ethernet portOn-Board StorageBuilt-in memory card slot, support microSDHC/microSDXC card, up to 512 GBBuilt-in MicrophoneYes, 1 built-in microphoneAudio-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KQ, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibriumAlarm-S: 1 input, 1 output (max. 12 VDC, 30 mA)Reset KeyYesEventUpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-S model) trigger alarm outputGeneral12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimension912.15 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 740 g (1.6 lb.)	Day/Night Switch	Day, Night, Auto, Schedule			
Image EnhancementBLC, HLC, 3D DNRPrivacy Mask4 programmable polygon privacy masksInterface1 RJ45 10 M/100 M self-adaptive Ethernet portOn-Board StorageBuilt-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GBBuilt-in MicrophoneYes, 1 built-in microphoneAudioYes, 1 built-in microphoneAudioS: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KQ, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, inutput impedance: 100 Q, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, inutput impedance: 100 Q, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, inutput impedance: 100 Q, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. Output amplitude: 3.3 Vpp, inutput impedance: 100 Q, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. Output amplitude: 3.3 Vpp, inutput impedance: 100 Q, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. Output amplitude: 3.3 Vpp, inutput impedance: 100 Q, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. Output amplitude: 3.3 Vpp, inutput (line out), two-core terminal block, max. Output amplitude: 3.3 Vpp, inutput (line out), two-core terminal block, max. Output amplitude: 3.3 Vpp, inutput (line out), two-core terminal block, max. Output amplitude: 3.3 Vpp, inutput (line out), two-core terminal block, max. Output adminal transport interface type: non-equilibrium inutput (line out), two-core terminal block, max. Output adminal trans	Wide Dynamic Range (WDR)	120 dB			
Privacy Mask4 programmable polygon privacy masksInterfaceEthernet Interface1 RJ45 10 M/100 M self-adaptive Ethernet portOn-Board StorageBuilt-in memory card slot, support microSDM/microSDHC/microSDXC card, up to 512 GBBuilt-in MicrophoneYes, 1 built-in microphoneAudio-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KQ, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Q, interface type: non-equilibrium -S: 1 input, 1 output (max. 12 VDC, 30 mA)Reset KeyYesEventVesBasic EventMotion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionLinkageUpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-S model) trigger alarm outputPower12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimension0121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 540 g (1.2 lb.)With Package WeightApprox. 740 g (1.6 lb.)	SNR	≥ 52 dB			
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Ethernet Interface1 RJ45 10 M/100 M self-adaptive Ethernet portOn-Board StorageBuilt-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GBBuilt-in MicrophoneYes, 1 built-in microphoneAudio-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium -S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibriumAlarm-S: 1 input, 1 output (max. 12 VDC, 30 mA)Reset KeyYesEventUoin detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionLinkageUpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-S model) trigger alarm outputPower12 VDC ± 25%, 0.8 A, max. 9.6 W, ØS.5 mm coaxial power plug, reverse polarity protection, Pote: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 540 g (1.2 lb.)	Privacy Mask	4 programmable polygon privacy masks			
On-Board StorageBuilt-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GBBuilt-in MicrophoneYes, 1 built-in microphoneAudio-5: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KQ, interface type: non-equilibrium -5: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Q, interface type: non-equilibriumAlarm-5: 1 input, 1 output (max. 12 VDC, 30 mA)Reset KeyYesEventUload to Etter (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionLinkageUlpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-S model) trigger alarm outputPower12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 540 g (1.2 lb.)With Package WeightApprox. 740 g (1.6 lb.)	Interface				
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Audio-S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibriumAlarm-S: 1 input, 1 output (max. 12 VDC, 30 mA)Reset KeyYesEventBasic EventMotion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionLinkageUpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-S model) trigger alarm outputGeneral12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox.540 g (1.2 lb.)With Package WeightApprox.740 g (1.6 lb.)		-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input			
-S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibriumAlarm-S: 1 input, 1 output (max. 12 VDC, 30 mA)Reset KeyYesEventBasic EventMotion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionLinkageUpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-S model) trigger alarm outputGeneral12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox.740 g (1.6 lb.)	Audio	impedance: 4.7 K $\Omega$ , interface type: non-equilibrium			
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Reset KeyYesEventBasic EventMotion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionLinkageUpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-S model) trigger alarm outputGeneral12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 540 g (1.2 lb.)With Package WeightApprox. 740 g (1.6 lb.)		output impedance: 100 $\Omega$ , interface type: non-equilibrium			
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GeneralGeneralPower12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 540 g (1.2 lb.)With Package WeightApprox. 740 g (1.6 lb.)	Linkage	Upload to FTP/memory card, notify surveillance center, send email, trigger recording,			
Power12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 540 g (1.2 lb.)With Package WeightApprox. 740 g (1.6 lb.)	LIIKage	trigger capture, audible warning, (-S model) trigger alarm output			
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PoE: IEEE 802.3af, Class 3, max. 12 WMaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 540 g (1.2 lb.)With Package WeightApprox. 740 g (1.6 lb.)		12 VDC ± 25%, 0.8 A, max. 9.6 W, Ø5.5 mm coaxial power plug, reverse polarity			
MaterialBase: metal, cover: plasticDimensionØ121.5 mm × 97.6 mm (Ø4.78" × 3.84")Package Dimension150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")WeightApprox. 540 g (1.2 lb.)With Package WeightApprox. 740 g (1.6 lb.)	Power	protection,			
Dimension     Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84")       Package Dimension     150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")       Weight     Approx. 540 g (1.2 lb.)       With Package Weight     Approx. 740 g (1.6 lb.)		PoE: IEEE 802.3af, Class 3, max. 12 W			
Package Dimension     150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")       Weight     Approx. 540 g (1.2 lb.)       With Package Weight     Approx. 740 g (1.6 lb.)	Material	Base: metal, cover: plastic			
WeightApprox. 540 g (1.2 lb.)With Package WeightApprox. 740 g (1.6 lb.)	Dimension	Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84")			
With Package WeightApprox. 740 g (1.6 lb.)	Package Dimension	150 mm × 150 mm × 141 mm (5.90" × 5.90" × 5.55")			
	Weight	Approx. 540 g (1.2 lb.)			
Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	With Package Weight	Approx. 740 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	English, Ukrainian			
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email			
Approval				
	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC			
ENAC	61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,			
EMC	RCM: AS/NZS CISPR 32: 2015,			
	IC: ICES-003: Issue 7			
	UL: UL 62368-1,			
Cafatri	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			
	CE-RoHS: 2011/65/EU,			
Environment	WEEE: 2012/19/EU,			
	Reach: Regulation (EC) No 1907/2006			
Protection	IP67: IEC 60529-2013, IK08: 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.

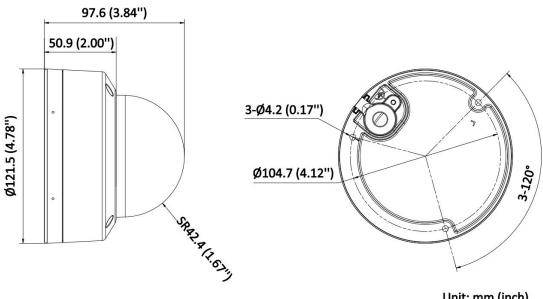
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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-2CD1743G2E-LIZU (2.8-12mm) DS-2CD1743G2E-LIZU (2.8-12mm)



#### Dimension



Unit: mm (inch)

### 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		4 4 5	
DS-1280ZJ-DM46	DS-2280ZJ-WA120	DS-2210ZJ-WA-120	DS-2200ZJ-WA-120	DS-2200ZJ-WAJ-120
Junction Box	Junction Box	Pendant Mount	Wall Mount	Wall Mount

