DS-2CD3786G2HT-LIZSU

8 MP Smart hybrid light with Darkfighter S Motorized Varifocal Dome Network Camera





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.

- Supports Hikvision Embedded Open Platform (HEOP) and importing third party applications
- Supports 1.5 Tops computing power, 40 MB system memory, 350 MB smart RAM, and 2 GB eMMC storage for sharing resources
- High quality imaging with 8 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Smart Dual-Light: advanced technology with long range
- Motorized varifocal lens for easy installation and monitoring
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 130 dB WDR technology
- Water and dust resistant (IP67) and vandal resistant (IK10)

▪ Specification

Model		DS-2CD3786G2HT-LIZSU (2.7-13.5mm)(海外标配)	DS-2CD3786G2HT-LIZSU (2.7-13.5mm)(海外中性)	DS-2CD3786G2HT-LIZSU (2.7-13.5mm)eF/海外标配	DS-2CD3786G2HT-LIZSU(2.7-13.5mm)eF/海外中性
Camera	Image Sensor	1/1.8" Progressive Scan CMOS			
	Max. Resolution	3840 × 2160			
	Min. Illumination	Color: 0.0028 Lux @ (F1.2, AGC ON), 0 Lux with light			
	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	Varifocal lens, motorized lens, 2.7 to 13.5 mm			
	Focal Length & FOV	2.7 to 13.5 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58.1° to 23.1°, diagonal FOV 137.4° to 47.3°			
	Lens Mount	Integrated			
	Focus	Auto,Semi-auto,Manual			
	Iris Type	DC iris			
	Aperture	Max. F1.2			
	Depth of Field	1 m to ∞			
DORI	DORI	Wide: D: 87 m, O: 35 m, R: 17 m, I: 9 m Tele: D: 216 m, O: 86 m, R: 43 m, I: 22 m			
Illuminator	Supplement Light Type	IR,White Light			
	Supplement Light Range	Up to 40 m			
	Smart Supplement Light	Yes			
	IR Wavelength	850 nm			
HEOP	Open Resources	Memory: 40 MB, Smart RAM: 350 MB, eMMC: 2 GB			

	Computing Power	1.5 TOPS
	Open Capability	HEOP 2.0 OpendevSDK
	Deep Learning Structure	Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX
	Programming Language	C,C++
Video	Main Stream	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 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) *Third stream is supported under certain settings.
	Fourth Stream	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Fourth 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, 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
	Bit Rate Control	CBR,VBR
	Scalable Video Coding (SVC)	H.264 and H.265 encoding
	Region of Interest (ROI)	5 fixed regions for main stream and sub-stream
	Target Cropping	Yes

Audio	Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
	Audio Bit Rate	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	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
	Environment Noise Filtering	Yes
Network	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, WebSocket, WebSockets, SRTP
	Simultaneous Live View	Up to 6 channels
	API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
	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 1.1/1.2/1.3, 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+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
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)	130 dB

	Image Enhancement	BLC,HLC,3D DNR,Defog
	SNR	≥ 52 dB
	Privacy Mask	4 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	-U: Yes, 2 built-in microphones
	Audio	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
	Alarm	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
	Reset Key	Yes
	Power Output	12 VDC, max. 100 mA
Event	Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
	Smart Event	Unattended baggage detection,object removal detection, scene change detection,audio exception detection,defocus detection
	Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,trigger capture,trigger alarm output,audible warning
Deep Learning Function	Face Capture	Yes
	People Counting	Yes
	Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Support alarm triggered by specified target types (human and vehicle)
General	Power	12 VDC ± 25%, 1.05 A, max. 12.6 W,Ø5.5 mm coaxial power plug,reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 15 W
	Material	Metal
	Dimension	Ø141 mm × 112 mm (Ø5.6" × 4.4")

	Package Dimension	244 mm × 174 mm × 173 mm (9.6" × 6.9" × 6.8")
	Weight	Approx. 820 g (1.8 lb.)
	With Package Weight	Approx. 1200 g (2.6 lb.)
	Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
	General Function	Heartbeat,anti-banding,mirror,flash log,password reset via email,pixel counter
	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
Approval	EMC	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
	Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU
	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
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

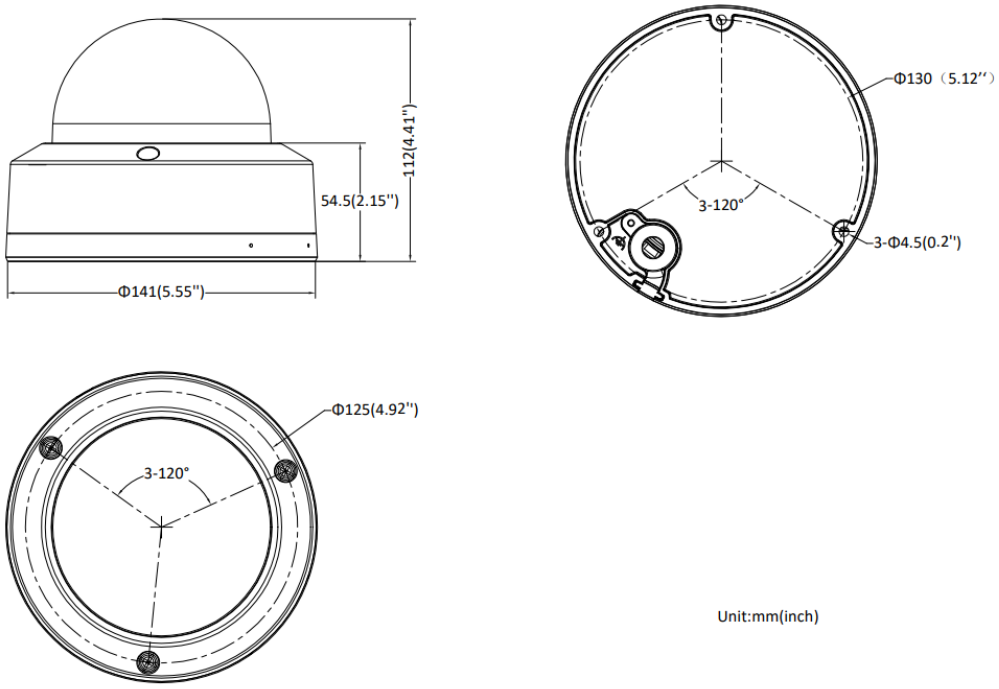
	areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Available Model

DS-2CD3786G2HT-LIZSU(2.7-13.5mm)

DS-2CD3786G2HT-LIZSU(2.7-13.5mm)eF

▪ Dimension

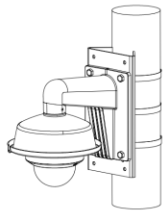
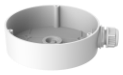
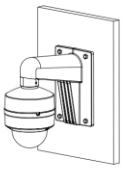
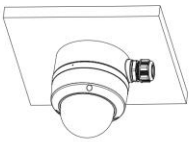
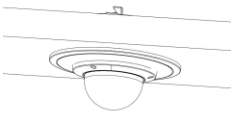


Unit:mm(inch)

▪ Accessory

▪ Optional

DS-1275ZJ-SUS Vertical pole mount	DS-1275ZJ-S-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount	DS-1271ZJ-140-DM45 Pendant Mount	DS-220AZJ-145-WA Wall mount
				

				
DS-1273ZJ-140-DM45 Wall mount	**DS-1280ZJ-DM45 Junction box**	**DS-4220ZJ-WC In-ceiling mount**		
				
				

See Far, Go Further

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