

DS-2CD3787G2T-LZSU 8 MP ColorVu Varifocal Dome Network Camera







Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

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.

- 24/7 Colorful imaging
- Anti-Illuminator-Reflection
- High quality imaging with 8 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 130 dB true WDR technology
- Focus on human and vehicle target classification based on deep learning
- Audio and alarm interfaces available
- Water and dust resistant (IP67) and vandal resistant (IK10)



Specification

Camera	Camera					
Image Sensor	1/1.8" Progressive Scan CMOS					
Max. Resolution	3840 × 2160					
Min. Illumination	Color: 0.0008 Lux @ (F1.0, AGC ON),0 Lux with light					
Shutter Time	1/3 s to 1/100,000 s					
Day & Night	24/7 color imaging					
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°					
Lens						
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm					
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 103.3° to 40°, vertical FOV 52.7° to 22.3°, diagonal FOV 127.9° to 46.1°					
Lens Mount	Integrated					
Iris Type	DC iris					
Aperture	Max. F1.0					
Depth of Field	2.4 m to ∞					
DORI						
DODI	Wide: D: 96 m, O: 38.1 m, R: 19.2 m, I: 9.6 m					
DORI	Tele: D: 160m, O: 63.5 m, R: 32.0 m, I: 16 m					
Illuminator						
Supplement Light Type	White Light					
Supplement Light Range Up to 40 m						
Smart Supplement Light Yes						
Video						
	50 Hz:					
	25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)					
Main Stream	60 Hz:					
	24 fps (3840 × 2160)					
	30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)					
Cub Chungan	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)					
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)					
	*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+,					
	Sub-stream: H.265/H.264/MJPEG,					
Video Compression	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	Type Baseline Profile, Main Profile Profile					
H.265 Type	Main Profile					



Region of Interest (ROI) Target Cropping Yes Audio Audio Type Mono sound Audio Compression G-711ulaw/G-711alaw/G-7122.1/G-726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 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 Environment Noise Filtering Yes Network TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPAP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPP0E, ARP, SNMP, ISUP, SFTP, SRTP, WebSocket, WebSockets Simultaneous Live View Up to 6 channels API Open Network video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP User/Host Security Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAPL-EAP, 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 1.2, TLS 1.3, host authentication (MAC address) 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 Plug-in required live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox	Bit Rate Control	CBR,VBR			
Target Cropping Yes Audio Type Audio Type Audio Compression G.711ulaw/G.711alaw/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 (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 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 7es Network TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPPP, SMTP, SRTP, WebSocket, WebSockets Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP User/Host User Ives: administrator, operator, and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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, 12, TLS, 13, nots authentication (MAC address) 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 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+	Scalable Video Coding (SVC)	<u> </u>			
Audio Type Audio Type Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC 64 Kbps (G.711ulaw/G.711alaw/J.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 TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, CoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPP0E, ARP, SNMP, ISUP, SFTP, SRTP, WebSocket, WebSockets Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP Up to 32 users 3 user levels: administrator, operator, and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTS over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address) NAS (INFS, 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 Plug-in required live view: IE 10, IE 11, Plug-in required live view: Te 10, IE 11, Plug-in required live view: Te 10, E 11, Web Browser Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+,	Region of Interest (ROI)	-			
Audio Type Mono sound Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP212/PCM/MP3/AAC-LC Audio Bit Rate G4 Kbps (G.711ulaw/G.711alaw/G.721.1/6 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP212/8) to 320 kbps (MP3)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate B kHz/16 kHz/32 kHz/44.1 kHz/48 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, GMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPP0E, ARP, SNMP, ISUP, SFTP, SRTP, WebSocket, WebSockets Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP User/Host User Up to 32 users User Ive	Target Cropping	_			
Audio Compression G.711ulaw/G.711alaw/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 (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 7 yes Network TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, 1GMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP, ISUP, SFTP, SRTP, WebSocket, WebSockets Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP User/Host User/Host Up to 32 users 3 user levels: administrator, operator, and user 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 1.2, TLS 1.3, host authentication (MAC address) NAS (NFS, SMB/CIFS), Auto Nework Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client IVMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE 10, IE 11, Plug-in free live view: Et 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+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ Image Parameters Switch Vs Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser Day/Night Switch DayNight, Auto, Schedule Wide Dynamic Range (WDR) 30 dB SNR 2 52 dB Image Enhancement BLC,HLC,3D DNR Privacy Mask 4 programmable polygon privacy masks Interface Un-Board Storage Built-in memory card slot, support microSD/MicroSDNC card, up to 512 GB	Audio				
Audio Bit Rate (64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP212)/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 TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPNP, SMTP, ICMP, BOSC, Ipv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP, ISUP, SFTP, SRTP, WebSockets Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP Up to 32 users 3 user levels: administrator, operator, and user 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 1,2, TLS 1.3, host authentication (MAC address) 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 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+	Audio Type	Mono sound			
Audio Bit Rate (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 Network TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, BOZ, 1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP, ISUP, SFTP, SRTP, WebSockets 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 Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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 1,2, TLS 1,3, host authentication (MAC address) 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 Plug-in required live view: E1 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+	Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC			
(MP2L2),8 to 320 kbps (MP3J)16 to 64 kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz Environment Noise Filtering Network 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, ARP, SNMP, ISUP, SFTP, SRTP, WebSocket, WebSockets 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 Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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 1.2, TLS 1.3, host authentication (MAC address) NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client IMM-4200,Hik-Connect,Hik-Central 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 Parameters Switch Yes Image Parameters Switch Yes 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) 310 dB SNR 252 dB Image Enhancement BLC, HLC, 3D DNR 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 microSDHC/microSDXC card, up to 512 GB		64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps			
Network 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, ARP, SMMP, ISUP, SFTP, SRTP, WebSocket, WebSockets 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 Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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 1.2, TLS 1.3, host authentication (MAC address) 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 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 SNR 25 dB Image Enhancement PLC, 3D DNR Privacy Mask 4 programmable polygon privacy masks Interface Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage	Audio Bit Rate	(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)			
Network TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPP0E, ARP, SNMP, ISUP, SFTP, SRTP, WebSocket, WebSockets Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile G, Profile TJ,ISAPI,SDK,ISUP) User/Host Up to 32 users 3 user levels: administrator, operator, and user 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 1.2, TLS 1.3, host authentication (MAC address) 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 Plug-in required live view: Et 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 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) 30 dB SNR 25 2 dB Image Enhancement BLC,HLC,3D DNR Privacy Mask 4 programmable polygon privacy masks Interface Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage	Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz			
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, ARP, SNMP, ISUP, SFTP, SRTP, WebSocket, WebSockets 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 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, WSDS and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address) 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 Plug-in required live view: Et 10, IE 11, Web Browser Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ Image Parameters Switch Yes 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 SNR ≥ 52 dB Image Enhancement BLC, HLC, 3D DNR Privacy Mask 4 programmable polygon privacy masks Interface Ethernet Interface 1 R145 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD/CmicroSDXC card, up to 512 GB	Environment Noise Filtering	Yes			
Protocols IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP, ISUP, SFTP, SRTP, WebSocket, WebSockets 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 Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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 1.2, TLS 1.3, host authentication (MAC address) 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 Plug-in free live view: IE 10, IE 11, Web Browser Plug-in ree live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 5	Network				
SRTP, WebSocket, WebSockets Simultaneous Live View API Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP User/Host User/Host User/Host 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 1.2, TLS 1.3, host authentication (MAC address) 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 Plug-in required live view: IE 10, IE 11, Web Browser Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ Image Parameters Switch Yes 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) SNR SP 25 dB Image Enhancement BLC,HLC,3D DNR 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		TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP,			
Simultaneous Live View API Open Network Video Interface (Profile S, Profile T),ISAPI,SDK,ISUP User/Host Up to 32 users 3 user levels: administrator, operator, and user 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 1.2, TLS 1.3, host authentication (MAC address) 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 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+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ Image Image Parameters Switch Yes 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) 30 dB SNR 252 dB Image Enhancement BLC, HLC, 3D DNR 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	Protocols	IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP, ISUP, SFTP,			
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 Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address) 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 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 Parameters Switch Yes 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 SNR 252 dB Image Enhancement BLC, HLC, 3D DNR 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		SRTP, WebSocket, WebSockets			
User/Host User/Host User/Host Jup to 32 users Juser levels: administrator, operator, and user 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 1.2, TLS 1.3, host authentication (MAC address) 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 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 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) Jay dB SNR 2 52 dB Image Enhancement BLC, HLC, 3D DNR 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 microSDHC/microSDXC card, up to 512 GB					
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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 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 Image Parameters Switch Yes 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) SNR 2 52 dB Image Enhancement BLC,HLC,3D DNR 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		Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS			
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Client iVMS-4200,Hik-Connect,Hik-Central 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 SNR ≥ 52 dB Image Enhancement BLC,HLC,3D DNR 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	Network Storage	Together with high-end Hikvision memory card, memory card encryption and health			
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Wide Dynamic Range (WDR) 130 dB SNR ≥ 52 dB Image Enhancement BLC,HLC,3D DNR 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	image settings	by client software or web browser			
SNR ≥ 52 dB Image Enhancement BLC,HLC,3D DNR 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	Day/Night Switch	Day,Night,Auto,Schedule			
Image Enhancement BLC,HLC,3D DNR 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	Wide Dynamic Range (WDR)	130 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	SNR	≥ 52 dB			
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	Image Enhancement	BLC,HLC,3D DNR			
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	Privacy Mask	4 programmable polygon privacy masks			
On-Board Storage Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB	Interface				
	Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port			
Built-in Microphone Yes	On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB			
	Built-in Microphone	Yes			



	1 in part (line in), true court to mained block many input appelitudes 2.2 Man, in part				
	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input				
Audio	impedance: 4.7 KΩ, interface type: non-equilibrium,				
	1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output				
Alarm	impedance: 100 Ω, interface type: non-equilibrium 1 input, 1 output (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				
6	Unattended baggage detection, object removal detection, scene change				
Smart Event	detection, audio exception detection				
	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm				
Linkage	output,trigger recording,trigger capture,audible warning,supplement light				
Deep Learning Function					
Face Capture	Yes				
	Line crossing, intrusion, region entrance, region exiting				
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)				
General					
General	12 VDC ± 25%, 0.9 A, max. 10.8 W,Ø5.5 mm coaxial power plug,reverse polarity				
Power	protection,				
Power					
Natarial	PoE: IEEE 802.3af, class 3, max. 12.9 W				
Material	Metal				
Package Dimension	227 mm × 198 mm × 220 mm (8.9" × 7.8" × 8.7")				
Dimension	Ø155 mm × 152 mm (Ø6.1" × 6.0")				
Weight	Approx. 1530 g (3.4 lb.)				
With Package Weight	Approx. 2150 g (4.7 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)				
General Function	Heartbeat,anti-banding,mirror,flash log,password reset via email,pixel counter				
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,				
Language	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,				
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,				
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian				
Approval					
	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,				
EMC	RCM: AS/NZS CISPR 32: 2015,				
	IC: ICES-003: Issue 7,				
	KC: KN32: 2015, KN35: 2015				
	UL: UL 62368-1,				
	CB: IEC 62368-1: 2014+A11,				
Safety	CE-LVD: EN 62368-1: 2014/A11: 2017,				
	LOA: IEC/EN 60950-1				
	EGA. IEG EN 0030-1				



	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.

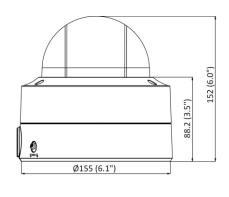
This model has NO SPECIFIC PROTECTION.

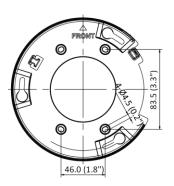
Level	Description	
	Hikvision products at this level are equipped for use in areas	
Top-level protection	where professional anti-corrosion protection is a must.	
Top-level protection	Typical application scenarios include coastlines, docks,	
	chemical plants, and more.	
	Hikvision products at this level are equipped for use in areas	
	with moderate anti-corrosion demands. Typical application	
Moderate protection	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	
No specific protection	where no specific anti-corrosion protection is needed.	

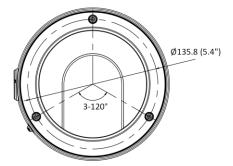
Available Model

DS-2CD3787G2T-LZSU(2.8-12mm)(C)

Dimension







Unit: mm (inch)



Accessory

Optional

DS-1473ZJ-155 Wall mount	DS-1471ZJ-155 Pendant Mount	DS-1475ZJ-SUS Vertical pole mount	DS-1275ZJ-SUS Vertical pole mount	DS-1476ZJ-SUS Corner mount
	I		4 h h	
DS-1276ZJ-SUS Corner mount	DS-1473ZJ-155B Wall mount			
	Wall module			

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