

DS-2CD1147G0-L(UF) 4 MP ColorVu Fixed 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.

- High quality imaging with 4 MP resolution
- 24/7 colorful imaging
- Excellent low-light performance
- Water and dust resistant (IP67) and vandal resistant (IK08)
- Efficient H.265+ compression technology





Specification

- Specification	
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.001 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	Fixed focal lens, 2.8 and 4 mm optional
Focal Longth 9 FOV	2.8 mm, horizontal FOV 96°, vertical FOV 52°, diagonal FOV 113°
Focal Length & FOV	4 mm, horizontal FOV 76°, vertical FOV 41°, diagonal FOV 89°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.0
5 d (5:11	2.8 mm: 2 m to ∞
Depth of Field	4 mm: 2.7 m to ∞
DORI	
	2.8 mm, D: 64 m, O: 25 m, R: 13 m, I: 6 m
DORI	4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
Video	
	50 Hz:
	20 fps (2560 × 1440)
	25 fps (1920 × 1080, 1280 × 720)
Main Stream	60 Hz:
	20 fps (2560 × 1440)
	30 fps (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)
	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
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region(s) for main stream
Audio	
Audio Type	-U: Mono sound
Audio Type Audio Compression	-U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
Addio Compression	0. 3.7 11414W/ 3.7 11414W/ 3.7 22.1/ 3.7 20/ WIT 212/ T CIVI/ MMC-10



Audio Sampling Rate	Audio Bit Rate	-U: 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)
Environment Noise Filtering Network Security Recurity Recurrity	Audio Sampling Rate	· · · · · · · · · · · · · · · · · · ·
Network Password protection, complicated password, HTTPS encryption, 802.1X authentication (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, security audit log, TLS 1.2, host authentication (MAC address) Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile G (only -U model supports)),ISAPI,SDK API Open Network Video Interface (Profile S, Profile G (only -U model supports)),ISAPI,SDK Protocols TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour, FTP, 802.1x, SMTP User/Host Up to 32 users 3 user levels: administrator, operator, and user Client IVMS-4200, Hilk-Connect Web Browser Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+ Image Up to d S Wide Dynamic Range (WDR) 120 dB SNR > 52 dB Day, Night, Auto, Schedule Stock to Card, Up to Card,	· -	·
Security (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, security audit log, TLS 1.2, host authentication (MAC address) Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile G (only -U model supports)),ISAPI,SDK TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UPP, QoS, Bonjour, FTP, 802.1x, SMTP User/Host Up to 32 users 3 user levels: administrator, operator, and user Client IVMS-4200, Hik-Connect Web Browser **Local service: Chrome 57.0+, Firefox 52.0+ Image **Local service: Chrome 57.0+, Firefox 52.0+ Mode Dynamic Range (WDR) 120 dB 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, mirror, 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 Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port Base: Aluminum alloy, cover polygon privacy masks	_	
API Open Network Video Interface (Profile S, Profile G (only - U model supports)),ISAPI,SDK Protocols CICP/P, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, Upp, QoS, Bonjour, FTP, 802.1x, SMTP Upr to 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) 120 dB SNR 252 dB Day/Night Switch Day, Night, Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, mirror, adjustable by client software or web browser Privacy Mask 4 programmable polygon privacy masks Interface Ethernet Interface 1 RJA5 10 M/100 M self-adaptive Ethernet port GB Built-in Microphone 4-1: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Built-in Microphone 4-1: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Built-in Microphone 4-1: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Built-in Microphone 4-1: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Built-in Microphone 4-1: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Built-in Microphone 4-1: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Built-in Microphone 4-1: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Built-in Microphone 4-1: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Built-in Microphone 4-1: Built-in memory card (-F), notify surveillance center, send email, trigger recording (-F), trigger capture Fevent Event Basic Event Motion detection, video tampering alarm, exception Linkage 6-1: Built-in memory card (-F), notify surveillance center, send email, trigger recording (-F), trigger capture Fevent Basic Event Motion detection,	Security	(EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface,
Protocols TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour, FTP, 802.1x, SMTP User/Host Up to 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 Very Mask Day Night Switch Day, Night, Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, mirror, 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 Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port GeB -F: Built-in memory card slot, support microSD/microSDHC/microSDMC card, up to 256 GB Built-in Microphone -U Yes Reset Key -F: Yes Event -F: Se Section of the detection, video tampering alarm, exception Linkage -F: Ves Fery Promemory card (-F), notify surveillance center, send email, trigger recording (-F), trigger capture General 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3,	Simultaneous Live View	Up to 6 channels
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With Package Weight Approx. 700 g (1.5 lb.)		
<u> </u>		
	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, Ukranian
General Function	Heartbeat, anti-flicker, password protection, password reset via email
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
EMC	50130-4: 2011 +A1: 2014,
	RCM: AS/NZS CISPR 32: 2015,
	KC: KN32: 2015, KN35: 2015
	UL: UL 62368-1,
Safaty	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

Available Model

DS-2CD1147G0-L (2.8/4 mm) DS-2CD1147G0-LUF (2.8/4 mm)

Typical Application

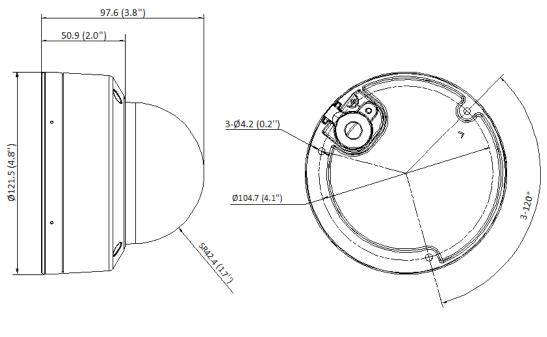
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

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.



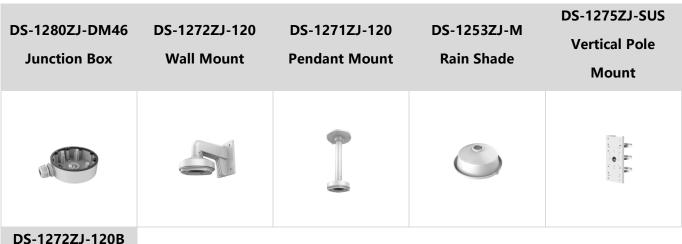
Dimension



Unit: mm (inch)

Accessory

Optional



Wall Mount





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