DS-2CD1147G3H-LIU
4 MP ColorVu 3.0 Fixed Dome Network Camera





- HikAI-ISP for excellent noise reduction effect
- Super clear 24/7 colorful imaging with ColorVu 3.0 technology
- Motion Detection 3.0, more accurate on person and vehicle classification
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- Water and dust resistant (IP67), vandal-proof (IK08)

▪ Specification

Camera	
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.0001 Lux @ (F1.0, AGC ON)
Shutter Time	1 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	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 104°, vertical FOV 54.4°, diagonal FOV 126.7° 4 mm, horizontal FOV 89.3°, vertical FOV 48.2°, diagonal FOV 106.5°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 2.5 m to ∞ 4 mm: 2.8 m to ∞
DORI	
DORI	2.8 mm, D: 61 m, O: 24 m, R: 12 m, I: 6 m 4 mm, D: 68 m, O: 27 m, R: 13 m, I: 6 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: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (768 × 432, 640 × 360) 60 Hz: 24 fps (768 × 432, 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
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)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)/8 to 160 Kbps (MP3)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes

Network	
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G), ISAPI, SDK
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
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: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+, Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+
Image	
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)	120 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
Built-in Microphone	Yes, 1 built-in microphone
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP, notify surveillance center, send email, trigger recording, trigger capture
General	
Power	12 VDC ± 25%, 0, 6 A, max. 7.2 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 9 W
Dimension	Ø121.5 mm × 97.6 mm (Ø4.8" × 3.8")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Approx. 530 g (1.2 lb.)
With Package Weight	Approx. 748 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, Russian, Ukrainian, Arabic, Spanish, French, Portuguese, Turkish, Polish, German
General Function	Heartbeat, mirror, flash log, password reset via email, password protection, anti-banding

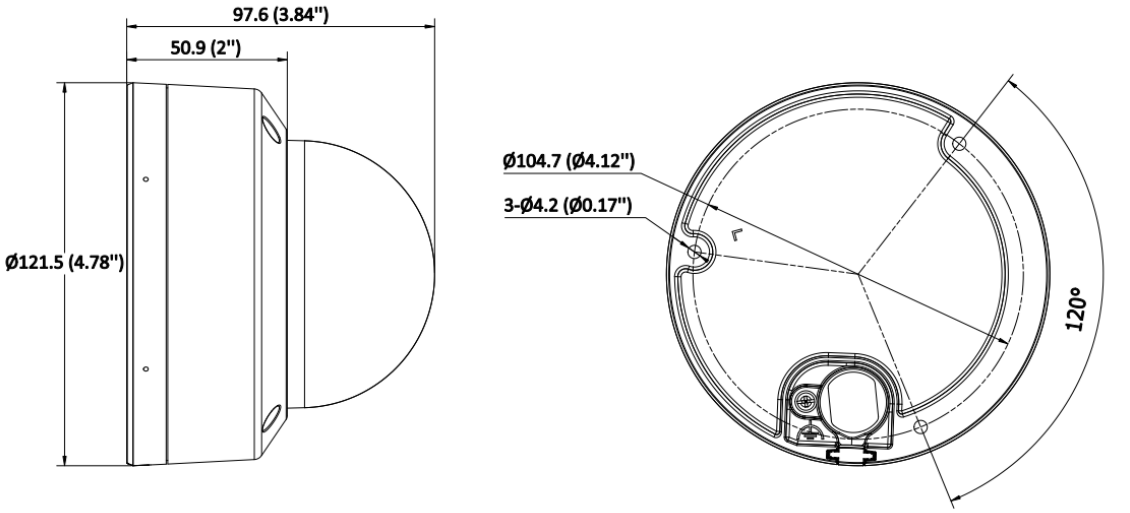
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013, IK08: IEC 62262:2002

▪ Available Model

DS-2CD1147G3H-LIU(2.8mm)

DS-2CD1147G3H-LIU(4mm)

▪ Dimension



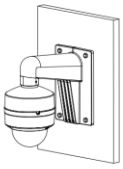
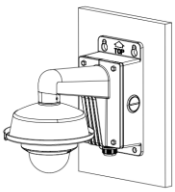
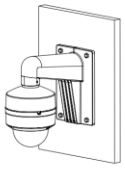
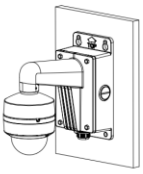
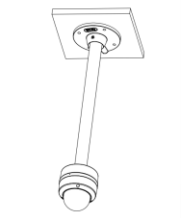
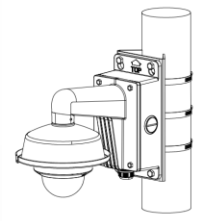
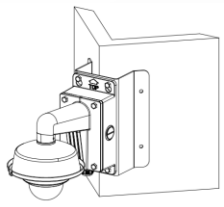
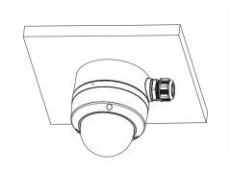
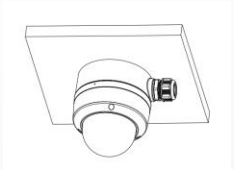
Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1272ZJ-120	DS-1272ZJ-120B	DS-1271ZJ-120	DS-1275ZJ-SUS	DS-1276ZJ-SUS
				
DS-1280ZJ-DM46	**DS-2280ZJ-WA120**	**DS-2210ZJ-WA-120**	**DS-2200ZJ-WA-120**	**DS-2200ZJ-WAJ-120**
				

▪ Installation Methods

Wall Mounting DS-1272ZJ-120	Wall Mounting DS-1272ZJ-120B+DS-1253ZJ-M	Wall Mounting DS-2200ZJ-WA-120	Wall Mounting DS-2200ZJ-WAJ-120	Pendant Mounting DS-1271ZJ-120
				
Pendant Mounting DS-2210ZJ-WA-120	**Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120B+DS-1253ZJ-M**	**Corner Mounting DS-1276ZJ-SUS+DS-2200ZJ-WAJ-120+DS-1253ZJ-M**	**Junction Box DS-1280ZJ-DM46**	**Junction Box DS-2280ZJ-WA120**
				

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