DS-2CD1B87G3-LIU/SX
8 MP ColorVu 3.0 Fixed Bullet Network Camera



- High quality imaging with 8 MP resolution
- HikAI-ISP for excellent noise reduction effect
- Super clear 24/7 colorful imaging with ColorVu 3.0 technology
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- Motion Detection 3.0: focuses on person and vehicle classification based on deep learning
- Built-in microphone for real-time audio security
- /SX: Supports Live Guard (white light or red-blue light) to deter intruders and Two-way Audio
- Dust and water resistant (IP67)

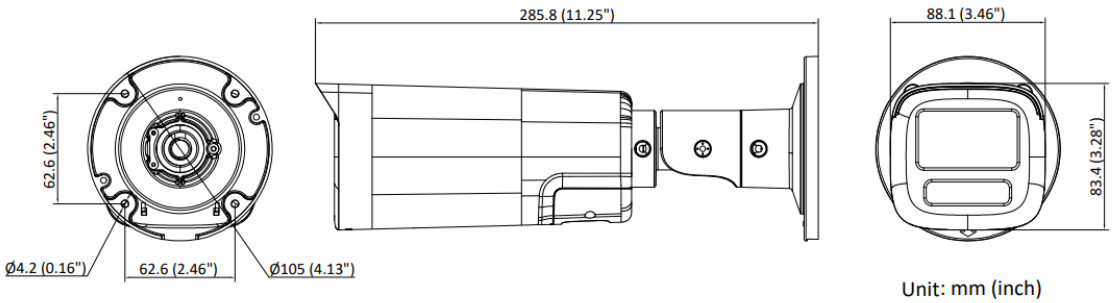
▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON),0 Lux with light
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°,tilt: 0° to 90°,rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 109°, vertical FOV 58°, diagonal FOV 132° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 2.4 m to ∞ 4 mm: 3 m to ∞
Pixel Density	
O2DCPVS	2.8 mm, O: 105 m, O: 52 m, D: 26 m, P: 16 m, C: 8.4 m, V: 4.2 m, S: 1.4 m 4 mm, O: 130 m, O: 65 m, D: 32 m, P: 20 m, C: 10 m, V: 5.2 m, S: 1.7 m
Illuminator	
Supplement Light Type	IR,White Light
Supplement Light Range	Up to 50 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (3840×2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3840×2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 20 fps (1280 × 720, 768 × 432, 640 × 360) 60 Hz: 20 fps (1280 × 720, 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 regions for each stream
Audio	
Audio Type	Mono sound
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/8 to 160 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes

Network	
Protocols	DNS,802.1X,HTTP,WebSockets,IPv6,WebSocket,SFTP,QoS,SSL/TLS,RTP,RTCP,UDP,IPv4, DDNS,SNMP,RTSP,UPnP,NTP,DHCP,HTTPS,IGMP,FTP,TCP/IP,ICMP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP,EZVIZ
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	IP address filter, security audit log, TLS 1.3, watermark, complicated password, WSSE and digest authentication for Open Network Video Interface, AES128/256, control timeout settings, Password protection, 802.1X authentication(EAP-LEAP,EAP-TLS,EAP-MD5,EAP-PEAP), HTTPS encryption, RTP/RTSP over HTTPS, basic and digest authentication for HTTP/HTTPS, TLS 1.2
Client	iVMS-4200,Hik-Connect
Web Browser	Plug-in required live view: Chrome 91+, Firefox 88+, Edge 91+
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
Transducer	
Transducer Type	NA
Detection Angle	NA
Detection Range	NA
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	-F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	Yes,1 built-in microphone
Built-in Speaker	-/SX: Built-in-Speak：10m，60dB
Audio	NA
Alarm	NA
Reset Key	-F: YES
Event	
Basic Event	Video tampering alarm, motion detection (support alarm triggering by specified target types (human, vehicle and animal)), exception
Linkage	Notify surveillance center,send email,trigger capture -F: Audible warning /SX: Strobe Light Flashing (White/Red-Blue, configurable)
General	
Power	-LIU(F): 12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8 W, -LIU(F)/SX: 12 VDC ± 25%, 0.88 A, max. 10.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12.5 W

Material	Front cover: metal, body: plastic, bracket: plastic
Dimension	285.8mm × 88.1mm × 83.4mm (11.25" × 3.46" × 3.28")
Package Dimension	386 mm × 156 mm × 155 mm (15.1" × 6.1" × 6.1")
Weight	-LIU(F): Approx. 665 g (1.47 lb.) -LIU(F)/SX: Approx. 740 g (1.63 lb.)
With Package Weight	-LIU(F): Approx. 1055 g (2.33 lb.) -LIU(F)/SX: Approx. 1125 g (2.48 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
Flashing Light	-LIU(F): NA -LIU(F)/SX: Red and Blue Light and White Light
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
Safety	CB: IEC 62368-1:2014+A11
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

▪ Dimension



Unit: mm (inch)

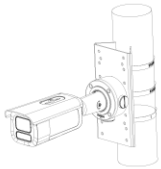
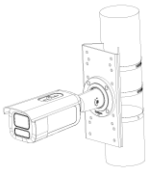
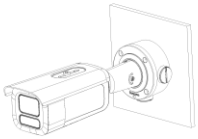
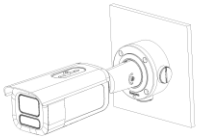
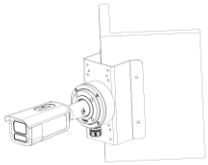
▪ Accessory

▪ Optional

DS-1275ZJ-SUS	**DS-1280ZJ-S**	**DS-1276ZJ-SUS**	**DS-1275ZJ-S-SUS**	**DS-1260ZJ**

▪ Installation Methods

Vertical Pole Mounting DS-1275ZJ-SUS+DS-1260ZJ	Vertical Pole Mounting DS-1275ZJ-S-SUS	Junction Box DS-1280ZJ-S	Junction Box DS-1260ZJ	Corner Mounting DS-1276ZJ-SUS+DS-1280ZJ-S
				

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