DS-2CD3146G3/LM-LISUY(Black)
4 MP AcuSense Fixed Dome Network Camera

Smart Hybrid Light

Guanlan

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.

- Guanlan large-scale AI model for perimeter protection, up to 30 m VCA range (night)
- HIK AI-ISP for excellent noise reduction effect
- Guanlan AI Encoding, reduce storage usage by 50% while keeping image quality of key objects like people and vehicles
- 130 dB WDR, support Auto mode, clear imaging against strong back light
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- Built-in arrayed dual-microphone for real-time high quality audio security
- Audio and alarm interfaces, 12 VDC power output
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- -Y: Anti-corrosion design, providing reliability and longevity compared to standard (NEMA 4X)

▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0008 Lux @ (F1.2, AGC ON),B/W: 0 Lux with IR
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 101.3°, vertical FOV 54.6°, diagonal FOV 121.9° 4 mm, horizontal FOV 84°, vertical FOV 45.6°, diagonal FOV 98.9°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.2
Depth of Field	2.8 mm: 1.7 m to ∞ 4 mm: 1.6 m to ∞
DORI	
DORI	2.8mm:O 80m,O 40m,D 20m,P 12.8m,C 6.4m,V 3.2m,S 1.1m; 4mm:O 97m,O 48.5m,D 24.3m,P 15.5m,C 7.8m,V 3.9m,S 1.3m;
Illuminator	
Supplement Light Type	IR,White Light
Supplement Light Range	Up to 40 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520) 60 Hz: 30 fps (2688 × 1520) 50 Hz: 50 fps (1920 × 1080, 1280 × 720) 60 Hz: 60 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 768 × 432, 640 × 360) 60 Hz: 30 fps (1280 × 720, 768 × 432, 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)
Fourth Stream	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)
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
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 region for every stream

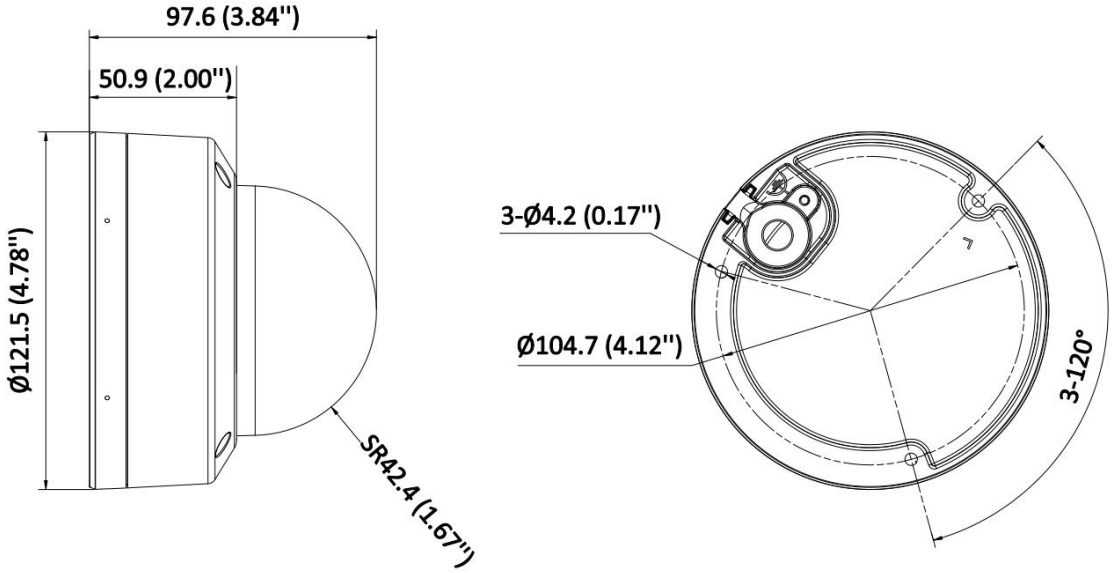
e-PTZ	NO
AI Encoding	Yes
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	HTTP,ICMP,DHCP,IPv4,NTP,PPPoE,WebSockets,DDNS,IPv6,UPnP,FTP,TCP/IP,DNS,RTP,HTTPS,QoS,SNMP,SMTP,RTCP,RTSP,WebSocket,UDP,SSL/TLS,SFTP,IGMP,802.1X
Simultaneous Live View	Up to 6 channels
API	ISAPI,SDK,ISUP,ONVIF (Profile S, Profile T, Profile G, Profile M)
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	complicated password, RTP/RTSP over HTTPS, 802.1X authentication(EAP-LEAP,EAP-TLS,EAP-MD5,EAP-PEAP), security audit log, control timeout settings, HTTPS encryption, basic and digest authentication for HTTP/HTTPS, watermark, TLS 1.2, TLS 1.3, Password protection, AES128/256, IP address filter, WSSE and digest authentication for Open Network Video Interface, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR)
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in free live view: Chrome 91+, Firefox 88+, Edge 91+, Safari 13+ Local service: Chrome 91+, Firefox 88+, Edge 91+
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
Image Enhancement	BLC, HLC, 3D DNR, Distortion Correction
SNR	≥ 52 dB
Wide Dynamic Range (WDR)	130 dB
Image Stabilization	EIS
Privacy Mask	8 rectangular 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
Audio	Built-in Microphone: Arrayed dual-microphone, 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	1 input, 1 output (max. 24 VAC/VDC, 1A)
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
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,trigger recording,trigger capture,send email,audible warning
Smart Event	Unattended baggage detection, object removal detection, loitering detection, people gathering detection,fast moving detection, parking detection,Scene change detection, defocus detection,Video Quality Diagnosis
Deep Learning Function	
Face Capture	Detects up to 30 faces simultaneously, captures up to 5 face pictures per frame simultaneously and uploads up to 5 face pictures per second
People Counting	NO
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggering by specified target types (human, vehicle and animal))
AcuSeek	Yes
General	
Power	12 VDC ± 25%, 0.9 A, max. 10.8 W,Ø5.5 mm coaxial power plug,reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 W
Material	Metal
Dimension	Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84")
Package Dimension	150 mm × 150 mm × 141 mm (5.91" × 5.91" × 5.55")
Weight	Approx. 630 g (1.39 lb.)
With Package Weight	Approx. 880 g (1.94 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,mirror,flash log,password reset via email,pixel counter,anti-banding
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+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, 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,IK10:IEC 62262:2002
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

▪ Key Component

▪ Typical Application

▪ Dimension



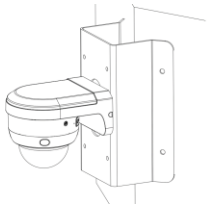
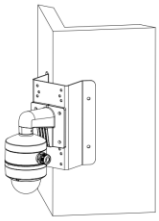
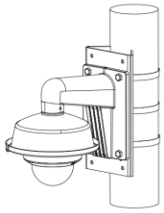
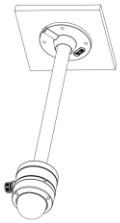
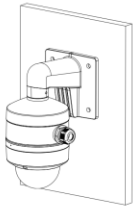
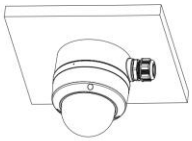
Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1476ZJ-SUS(Black)	DS-1275ZJ-SUS(Black)	DS-1276ZJ-SUS(Black)	DS-1271ZJ-120-Y(Black)	DS-220AZJ-130-BAY
DS-1272ZJ-120-Y(Black)	**DS-1272ZJ-120B-Y(Black)**	**DS-220AZJ-145-BAY**	**DS-1280ZJ-DM46-Y(Black)**	**DS-1475ZJ-SUS(Black)**
DS-1275ZJ-S-SUS(Black)				

▪ Installation Methods

Corner Mounting DS-1476ZJ-SUS(Black) +DS-220AZJ-145-BAY	Corner Mounting DS-1276ZJ-SUS(Black) +DS-1280ZJ-DM46-Y(Black)+DS-1272ZJ-120-Y(Black)	Vertical Pole Mounting DS-1275ZJ-SUS(Black) +DS-1272ZJ-120-Y(Black)+DS-1253ZJ-M(Black)	Vertical Pole Mounting DS-1475ZJ-SUS(Black) +DS-220AZJ-145-BAY	Vertical Pole Mounting DS-1275ZJ-S-SUS(Black)+DS-220AZJ-130-BAY
				
Pendant Mounting DS-1271ZJ-120-Y(Black)+DS-1280ZJ-DM46-Y(Black)	**Wall Mounting DS-220AZJ-130-BAY**	**Wall Mounting DS-1272ZJ-120-Y(Black)+DS-1280ZJ-DM46-Y(Black)**	**Wall Mounting DS-1272ZJ-120B-Y(Black)**	**Wall Mounting DS-220AZJ-145-BAY**
				
Junction Box DS-1280ZJ-DM46-Y(Black)				
				

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