

DS-2CD3166G3-LISU(Y)

6 MP Smart Hybrid Light Fixed Dome Network Camera

















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.

Hikvision Darkfighter 2.0 technology provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- HIK AI-ISP for excellent noise reduction effect
- 24/7 colorful imaging via Darkfighter 2.0 technology
- Scene-adaptive WDR
- Focus on Person and Vehicle classification based on deep learning
- Built-in arrayed dual-microphone for real-time high quality audio security
- -Y: Anti-corrosion design, providing reliability and longevity compared to standard (NEMA4X)
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- Water and dust resistant (IP67) and vandal-resistant (IK10)



Specification

Camera					
Image Sensor	1/1.8" Progressive Scan CMOS				
Max. Resolution	3200 × 1800				
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 355°, tilt: 0° to 75°, rotate: 0° to 355°				
Lens					
Lens Type	Fixed focal lens, 2.8 and 4 mm optional				
F	2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3°				
Focal Length & FOV	4 mm, horizontal FOV 93.3°, vertical FOV 47.2°, diagonal FOV 114.2°				
Lens Mount	M16				
Iris Type	Fixed				
Aperture	F1.0				
D 11 (E: 11	2.8 mm: 3.3 m to ∞				
Depth of Field	4 mm: 3.8 m to ∞				
DORI					
non!	2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m				
DORI	4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m				
Illuminator					
Supplement Light Type	IR, White Light				
Supplement Light Range	Up to 40 m				
Smart Supplement Light	Yes				
IR Wavelength	850 nm				
НЕОР					
	Memory: 40 MB,				
Open Resources	Smart RAM: 450 MB,				
	eMMC: 2 GB				
Computing Power	1.5 TOPS				
Open Capability	HEOP 2.0 OpendevSDK				
Deep Learning Structure	Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX				
Programming Language	C, C++				
Video					
	50 Hz:				
AA : G:	25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)				
Main Stream	60 Hz:				
	30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)				
Cub Chara	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,				
Third stream: H.265/H.264,				
Fourth stream: H.265/H.264/MJPEG,				
32 Kbps to 16 Mbps				
Baseline Profile, Main Profile, High Profile				
Main Profile				
CBR, VBR				
H.264 and H.265 encoding				
5 fixed regions for main stream and sub-stream				
Support Patrol and Auto Tracking settings				
Mono sound				
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)				
G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC				
8 kHz/16 kHz/32 kHz/48 kHz				
Yes				
TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP,				
SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP,				
WebSocket, WebSockets, SRTP, SFTP				
Up to 6 channels				
ONVIF (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				
1.1/1.2/1.3, host authentication (MAC address)				
NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)				
iVMS-4200, Hik-Connect, Hik-Central				
Plug-in free live view: Chrome 91+, Firefox 88+, Edge 91+, Safari 13+				
Local service: Chrome 91+, Firefox 88+, Edge 91+				
Yes				
Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance,				
adjustable by client software or web browser				
Day, Night, Auto, Schedule				
BLC, HLC, 3D DNR, Distortion Correction, Defog				
≥ 52 dB				
130 dB				
EIS				
8 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					
	Built-in Microphone: Arrayed dual-microphone,					
	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					
	impedance: 100 Ω , interface type: non-equilibrium					
Alarm	1 input, 1 output (max. 12 VDC, 30 mA)					
Reset Key	Yes					
Power Output	12 VDC, max. 100 mA					
Event						
	Motion detection (support alarm triggering by specified target types (human and					
Basic Event	vehicle)), video tampering alarm, exception					
	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger					
Linkage	capture, send email, trigger alarm output					
Smart Event	Scene change detection, audio exception detection, defocus detection					
Deep Learning Function						
Face Capture	Yes					
People Counting	Yes					
	Line crossing, intrusion, region entrance, region exiting					
Perimeter Protection	support alarm triggering by specified target types (human and vehicle)					
General						
	12 VDC ± 25%, 0.85 A, max. 10.2 W, Ø5.5 mm coaxial power plug, reverse polarity					
Power	protection,					
	PoE: IEEE 802.3af, Class 3, max. 11.5 W					
Material	Base: aluminum alloy, cover: aluminum alloy					
Dimension	Ø121.5 mm × 97.6 mm (Ø4.8" × 3.8")					
Package Dimension	234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")					
Weight	Approx. 630 g (1.4 lb.)					
With Package Weight	Approx. 880 g (2.0 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					
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,					
	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						
	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,					
EMC	RCM: AS/NZS CISPR 32: 2015,					
	IC: ICES-003: Issue 7,					
	KC: KN32: 2015, KN35: 2015					



	UL: UL 62368-1,		
Safety	CB: IEC 62368-1: 2014+A11,		
	CE-LVD: EN 62368-1: 2014/A11: 2017		
	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		
Anti-Corrosion Protection	-Y: NEMA 4X (NEMA 250-2018)		

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 MODERATE PROTECTION.

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

Available Model

DS-2CD3166G3-LISUY(2.8mm)

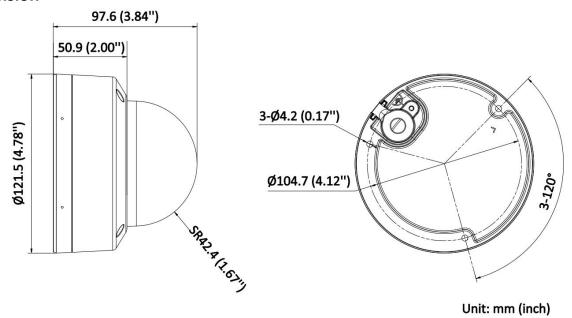
DS-2CD3166G3-LISUY(4mm)

DS-2CD3166G3-LISU(2.8mm)

DS-2CD3166G3-LISU(4mm)



Dimension

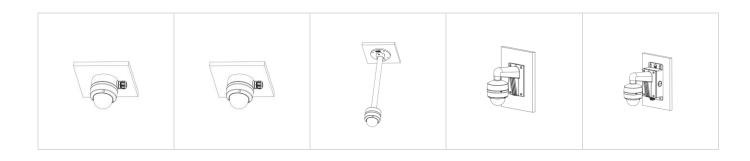


Accessory

Optional

Ориона				
DS-1272ZJ-120 Wall mount	DS-1272ZJ-120B Wall mount	DS-1271ZJ-120 Pendant Mount	DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount
	e le		# fr fr fr	
DS-1280ZJ-DM46 Junction box	DS-2280ZJ-WA120 Junction box	DS-2210ZJ-WA-120 Pendant Mount	DS-2200ZJ-WA-120 Wall mount	DS-2200ZJ-WAJ-120 Wall mount
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