DS-2CD27166G3-IPTRZS2UY/SL

16MP Acusense Strobe Light and Audible Warning Motorized Varifocal Dome Netw

Powered by DarkFighter

AcuSense 3.0

- UHD: Ultra High Definition delivers lifelike immersion
- Motorized Pan, Tilt, Rotate, Zoom for easy installation and monitoring
- Active strobe light and audio alarm (/SL: white light, /SRB: red & blue light)
- Excellent low-light performance via Powered by DarkFighter
- Person and vehicle classification based on deep learning
- Crystal-clear audio with Built-in Arrayed Dual-Mic, and Smart PA Speaker
- Clear imaging against strong back light due to 130 dB true WDR technology
- Water and dust resistant (IP66) and vandal resistant (IK10)
- Anti-corrosion design, providing reliability and longevity compared to standard (NEMA 4X)
- Tamper-free & eco-friendly packaging

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	4608 × 3456
Min. Illumination	Color: 0.0008 Lux @ (F1.2, AGC ON),B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Remote adjustment (Max. 1,000 cycles) Pan: 0° to 350°,tilt: 0° to 85°,rotate: 0° to 350°
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm
Focal Length & FOV	horizontal FOV 99° to 43°, vertical FOV 72° to 33°, diagonal FOV 136° to 54°
Lens Mount	Integrated
Iris Type	Fixed
Aperture	Max. F1.2
Depth of Field	1 m to ∞
DORI	
DORI	Wide: D: 113.0 m, O: 44.9 m, R: 22.6 m, I: 11.3 m Tele: D: 240.8 m, O: 95.5 m, R: 48.2 m, I: 24.1 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 40 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 12.5 fps (4608 × 3456) 20 fps (4608 × 2592) 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (4608 × 3456) 20 fps (4608 × 2592) 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 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)
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) *Third stream is supported under certain settings.

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, *Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 24 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 and sub-stream
Audio	
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	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
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	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)
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR)
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in required live view: IE 11, Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+, Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+
Image	
Image Parameters Switch	Yes
Image Settings	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
SNR	≥ 52 dB
Wide Dynamic Range (WDR)	130 dB
Privacy Mask	4 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 Speaker	1 built-in speaker,Max. power consumption: 2 W, max. sound pressure level: 10 cm: 97 dB.
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 VDC/24 VAC, 1 A)
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
Smart Event	scene change detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture,audible warning,strobe light flashing
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
General	
Power	12 VDC ± 25%, 1.1 A, max. 13.2 W, PoE: IEEE 802.3at, Class 4, max. 15 W
Material	Metal
Dimension	Ø155 mm × 140.4 mm (Ø6.10" × 5.53")
Package Dimension	203 mm × 203 mm × 230 mm (8.0" × 8.0" × 9.1")
Weight	Approx. 840 g (1.9 lb.)
With Package Weight	Approx. 1450 g (3.2 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,password reset via email,pixel counter,anti-banding,flash log
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
Flashing Light	/SRB model: Red and Blue Light /SL model: White Light
Approval	
EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014
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	IK10: IEC 62262:2002,IP66: IEC 60529-2013

Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

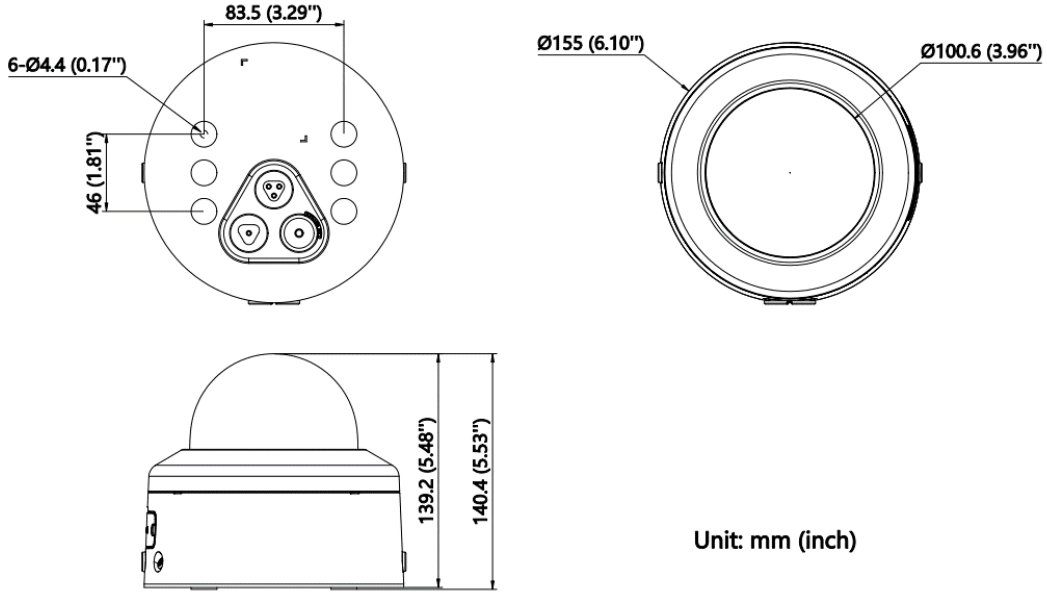
▪ Typical Application

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 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)

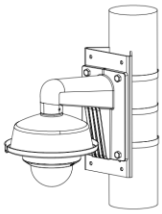
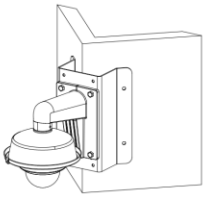
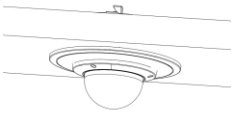
▪ Accessory

▪ Optional

DS-1475ZJ-SUS	DS-1476ZJ-SUS	DS-1250ZJ	DS-1473ZJ-155-Y	DS-1471ZJ-155-Y

DS-4220ZJ-WC				

▪ **Installation Methods**

Vertical Pole Mounting DS-1475ZJ-SUS+DS-1253ZJ-L+DS-1473ZJ-155-Y_V100R001C001	Corner Mounting DS-1476ZJ-SUS+DS-1253ZJ-L+DS-1473ZJ-155-Y_V100R001C001	Wall Mounting DS-1250ZJ	Wall Mounting DS-1473ZJ-155-Y+DS-1253ZJ-L	Pendant Mounting DS-1471ZJ-155-Y
				
In-Ceiling Mounting DS-4220ZJ-WC				
				

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support@hikvision.com

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