HIKVISION

DS-2CD27123G2-LIZS2UY

12MP Acusense Smart Hybrid Light Motorized Varifocal Dome Network Camera

AcuSense 3.0

- UHD: Ultra High Definition delivers lifelike immersion
- Motorized varifocal lens for easy installation and monitoring
- Innovative socket design, highly waterproof and user-friendly
- Smart Hybrid Light: Integrates IR and white lights, 3 supplemental lighting modes
- Person and vehicle classification based on deep learning
- Crystal-clear audio with Built-in Arrayed Dual-Mic
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- Anti-corrosion design, providing reliability and longevity compared to standard (NEMA 4X)

▪ Specification

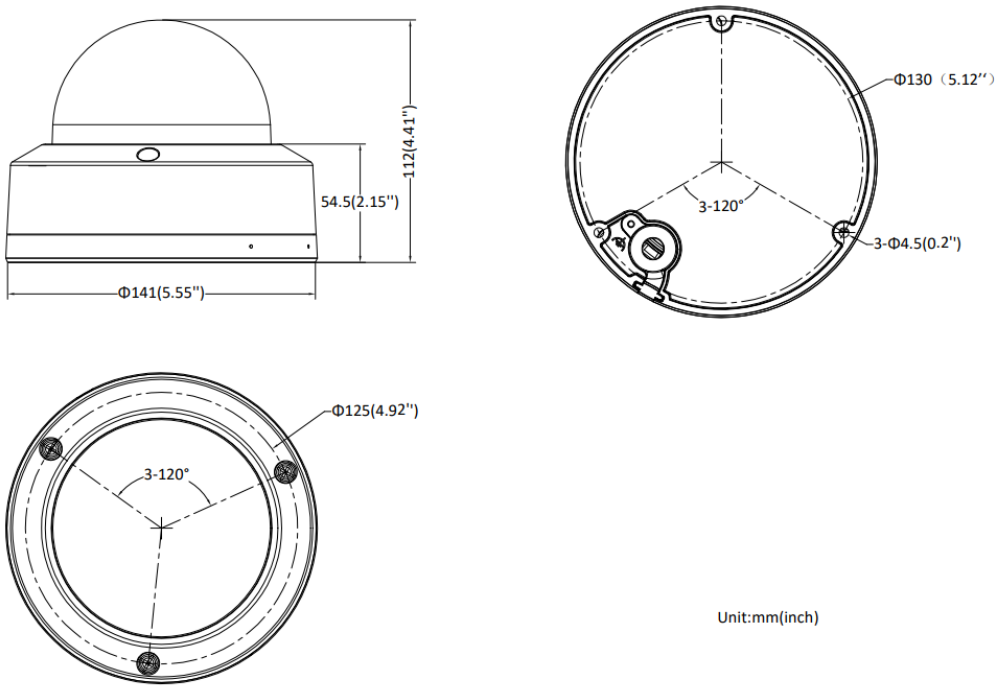
Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	4608 × 2592
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm
Focal Length & FOV	Horizontal FOV 102° to 44°, vertical FOV 54° to 25°, diagonal FOV 123° to 51°
Lens Mount	Integrated
Iris Type	Fixed
Aperture	Max. F1.2
Pixel Density	
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, White Light
Supplement Light Range	Up to 40 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (4608 × 2592) 25 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (4608 × 2592) 30 fps (3840 × 2160, 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 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Target Cropping	Yes

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 160 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
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G),ISAPI,SDK,ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
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	NA
Day/Night Switch	Day,Night,Auto,Schedule
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Image Enhancement	BLC,HLC,3D DNR
Privacy Mask	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
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

Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture
Deep Learning Function	
Perimeter Protection	Line crossing, intrusion 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	Ø141 mm × 112 mm (Ø5.6" × 4.4")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.5")
Weight	Approx. 620 g (1.4 lb.)
With Package Weight	Approx. 880 g (1.9 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	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
General Function	Heartbeat,mirror,flash log,password reset via email,pixel counter,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
Safety	CB: IEC 62368-1:2014+A11, CE-LVD: EN 62368-1:2014/A11:2017 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)

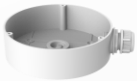
▪ Typical Application

▪ Dimension



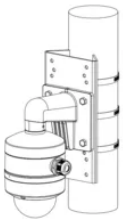
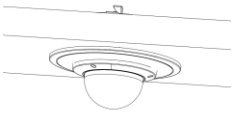
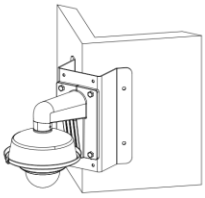
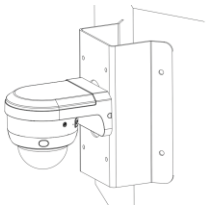
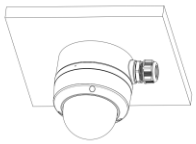
▪ Accessory

▪ Optional

DS-1273ZJ-140-DM45-Y	DS-1275ZJ-S-SUS	DS-4220ZJ-WC	DS-1276ZJ-SUS	DS-220AZJ-145-WAY
DS-1275ZJ-SUS	**DS-1476ZJ-SUS**	**DS-1475ZJ-SUS**	**DS-1271ZJ-140-DM45-Y**	**DS-1280ZJ-DM45-Y #EU**
				

▪ Installation Methods

Wall Mounting DS-1273ZJ-140-DM45-Y+DS-1253ZJ-L	Wall Mounting DS-220AZJ-145-WAY	Vertical Pole Mounting DS-1275ZJ-S-SUS+DS-220AZJ-145-WAY	Vertical Pole Mounting DS-1275ZJ-SUS++DS-1273ZJ-140-DM45-Y	Vertical Pole Mounting DS-1475ZJ-SUS+DS-220AZJ-145-WAY

				
In-Ceiling Mounting DS-4220ZJ-WC	**Corner Mounting DS-1276ZJ-SUS+DS-1253ZJ-L+DS-1273ZJ-140-DM45-Y**	**Corner Mounting DS-1476ZJ-SUS+DS-220AZJ-145-WAY**	**Pendant Mounting DS-1271ZJ-140-DM45-Y**	**Junction Box DS-1280ZJ-DM45-Y#EU**
				

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