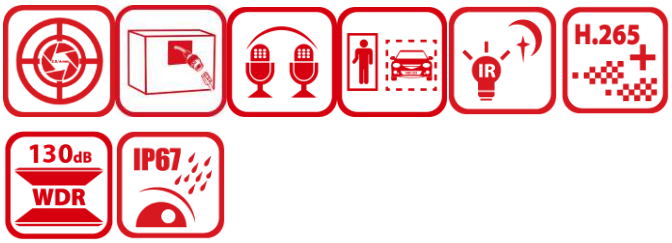
DS-2CD2546G3-I(W)Z(S)(2U)Y

4 MP Acusense Smart Hybrid Light Vari-focal Mini Dome Network Camera

Powered by DarkFighter

AcuSense 3.0





- 2.8/4 mm in one lens, point vari-focal
- Anti-corrosion design (NEMA 4X), more reliable
- Excellent low illumination performance via Powered by DarkFighter
- Crystal-clear audio with Arrayed Dual-Mic
- Person and vehicle classification based on deep learning
- Water and dust resistant (IP67), vandal resistant (IK08)

▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.001 Lux @ (F1.6, 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: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 99.3°, vertical FOV 54.8°, diagonal FOV 120.2° 4 mm, horizontal FOV 80.0°, vertical FOV 44.1°, diagonal FOV 94.0°
Lens Mount	Ø14
Iris Type	Fixed
Aperture	F1.6
Depth of Field	2.8 mm: 1.1 m to ∞ 4 mm: 1.3 m to ∞
DORI	
DORI	2.8mm: D: 66.6 m, O: 26.4 m, R: 13.3 m, I: 6.7 m 4mm: D: 79.2 m, O: 31.4 m, R: 15.8 m, I: 7.9 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (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 8 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

Audio	
Audio Type	Mono sound
Audio Compression	-2U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	-2U: 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	-2U: 8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	-2U: 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, 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	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)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
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 Microphone	-2U: 2 built-in microphone
Audio	-2U: Built-in Microphone: Arrayed dual-microphone, -S: 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	-S: 1 input, 1 output (max. 12 VDC, 30 mA)
Built-in Speaker	NA
Reset Key	Yes

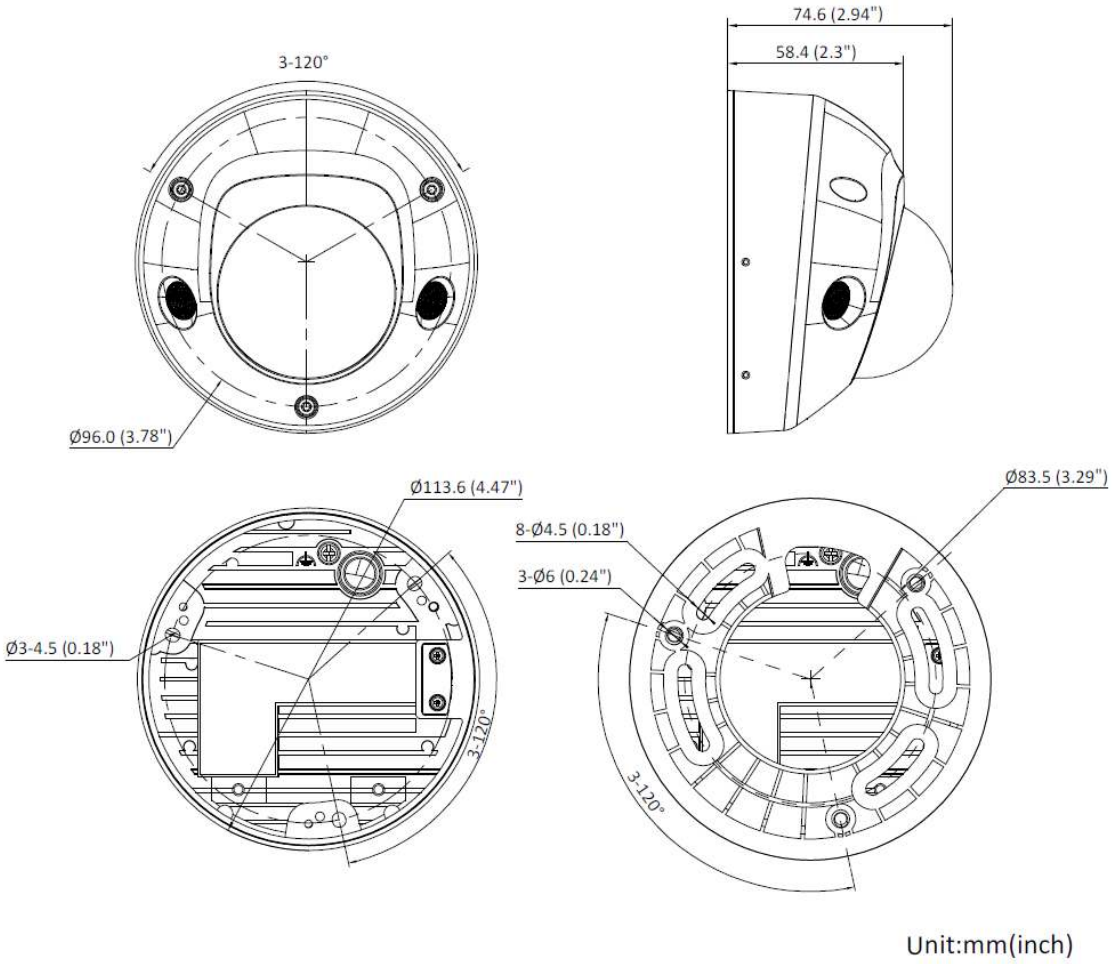
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	scene change detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, -S: trigger alarm output
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	Power：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
Material	Base: aluminum, cover: plastic
Dimension	Ø113.6 mm × 74.6 mm (Ø4.5" × 2.9")
Package Dimension	134 mm × 134 mm × 108 mm (5..3" × 5.3" × 4.3")
Weight	Approx. 400 g (0.9 lb.)
With Package Weight	Approx. 650 g (1.4 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
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013, IK08: IEC 62262:2002

▪ Available Model

DS-2CD2546G3-IZS2UY(2.8/4mm)

DS-2CD2546G3-IZS2UY(2.8/4mm)/BLACK

▪ Dimension



Unit:mm(inch)

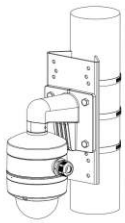
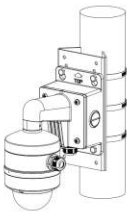
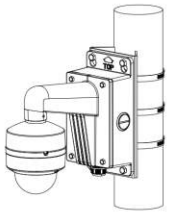
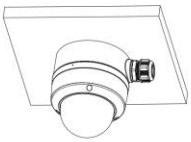
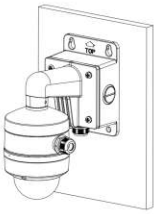
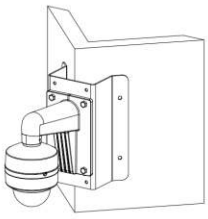
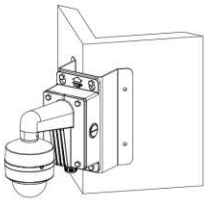
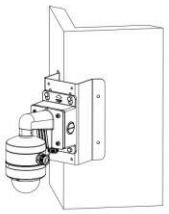
▪ Accessory

▪ Optional

DS-1271ZJ-120-Y	DS-1275ZJ-SUS	DS-1280ZJ-DM46-Y	DS-1272ZJ-120B-Y	DS-1272ZJ-120-Y
				

DS-1276ZJ-SUS


▪ Installation Methods

Pendant Mounting DS-1271ZJ-120-Y+DS-1280ZJ-DM46-Y	Pendant Mounting DS-1271ZJ-120-Y	Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120-Y+DS-1280ZJ-DM46-Y	Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120-Y	Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120B-Y+DS-1280ZJ-DM46-Y
				
Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120B-Y	Junction Box DS-1280ZJ-DM46-Y	Wall Mounting DS-1272ZJ-120B-Y+DS-1280ZJ-DM46-Y	Wall Mounting DS-1272ZJ-120B-Y	Wall Mounting DS-1272ZJ-120-Y
				
Wall Mounting DS-1272ZJ-120-Y+DS-1280ZJ-DM46-Y	Corner Mounting DS-1276ZJ-SUS+DS-1272ZJ-120-Y	Corner Mounting DS-1276ZJ-SUS+DS-1272ZJ-120B-Y	Corner Mounting DS-1276ZJ-SUS+DS-1272ZJ-120B-Y+DS-1280ZJ-DM46-Y	Corner Mounting DS-1276ZJ-SUS+DS-1272ZJ-120-Y+DS-1280ZJ-DM46-Y
				

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