HIKVISION

DS-2CD2186G2-I(SU)/BLACK
8 MP AcuSense Fixed Dome Network Camera

AcuSense

4K | **WDR** | | **IR** | **IP67**

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human or vehicle target classification alarms to front- and back-end devices. The system can greatly reduce false alarms generated by targets other than humans or vehicles, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 8 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Focusing on human and vehicle classification based on deep learning
- Water and dust resistant (IP67) and vandal resistant (IK10)
- -U: Built-in microphone for real-time audio security
- -S: Audio and alarm interface available

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Shutter Speed	1/3 s to 1/100,000 s
Min. Illumination	Color: 0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
Day & Night	ICR Cut
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Lens Type	2.8 mm, 4 mm
Focal Length & FOV	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102°
Lens Mount	M12
Aperture	F1.6
DORI	
DORI	2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 99 m, O: 39 m, R: 19 m, I: 9 m
Illuminator	
Smart Supplement Light	Yes
IR Wavelength	850 nm
IR Range	Up to 30 m
Video	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 20 fps (3840 × 2160, 3072 × 1728) 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160, 3072 × 1728) 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)
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
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main Stream supports
H.265+	Main Stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	Yes
Region of Interest (ROI)	1 fixed region for main stream and sub-stream

Audio

Environment Noise Filtering	-U: Yes
Audio Sampling Rate	-U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	-U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	-U: 64 Kbps (G.711 ulaw)/64 Kbps(G.711 alaw)/16 Kbps(G.722.1)/16 Kbps(G.726)/32 to 192 Kbps(MP2L2)/8 to 320 Kbps(MP3)/16 to 64Kbps(AAC)

Network

Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK
Protocols	TCP/IP, ICMP,HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP
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, WSSE and digest authentication for Open Network Video Interface
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+

Image

Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

Interface

Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB
Built-in Microphone	-U: Yes
Audio	-S: 1 input (line in), max. input amplitude: 3.3 vpp, input impedance:4.7 KΩ, interface type: non-equilibrium 1 output (line out), max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound
Alarm	-S: 1 input, 1 output (TTL: max. 12 VDC, 30 mA)
Hardware Reset	Yes

Event

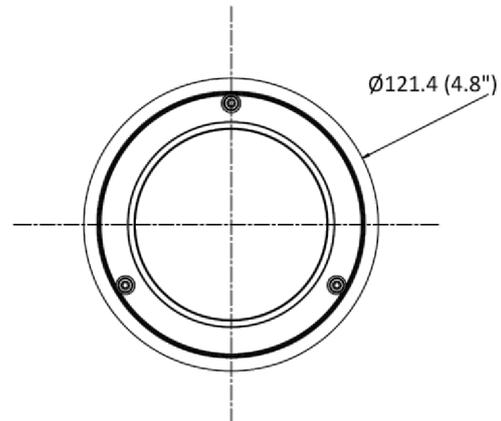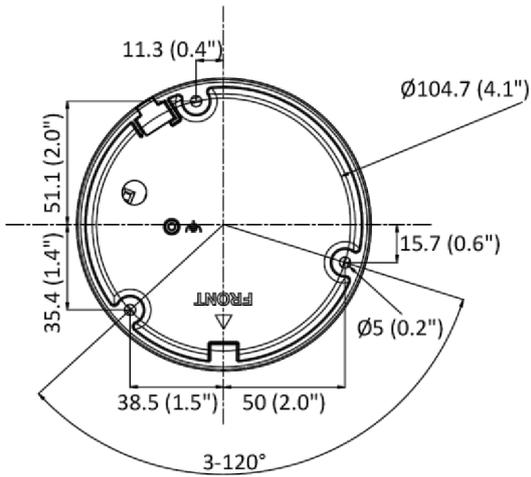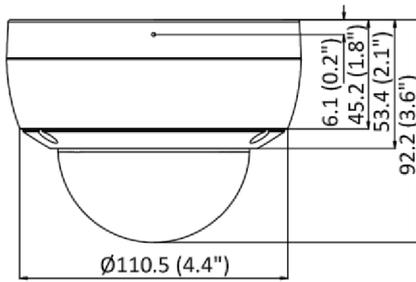|	
Basic Event	Motion detection (human and vehicle), video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) -S: alarm input and output
Smart Event	Scene change detection

Deep Learning Function

Face Capture	Yes

Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
General	
Power	12 VDC ± 25% PoE: 802.3af, Class 3
Camera Material	Metal
Camera Dimension	Ø 121.4 mm × 92.2 mm (Ø 4.8" × 3.6")
Package Dimension	150 × 150 × 141 mm (5.9" × 5.9" ×5.6")
Camera Weight	Approx. 590 g (1.3 lb.)
With Package Weight	Approx. 850 g (1.9 lb.)
Storage Conditions	-30 ℃ to 60 ℃ (-22 ℉ to 140 ℉). Humidity 95% or less (non -condensing)
Startup and Operating Conditions	-30 ℃ to 60 ℃ (-22 ℉ to 140 ℉). Humidity 95% or less (non -condensing)
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, send email
Power Consumption and Current	12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 V to 57 V), 0.25 A to 0.15 A, max. 7.5 W
Power Interface	Ø 5.5 mm coaxial power plug
Web Client 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	Anti-flicker, heartbeat, password reset via e-mail, pixel counter
Software Reset	Yes
Approval	
Class	Class B
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016) KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014)
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)

▪ Available Model

DS-2CD2186G2-I (2.8/4 mm)

DS-2CD2186G2-ISU (2.8/4 mm)

▪ **Dimension**

Unit: mm (inch)

▪ **Accessory**

▪**Optional**

DS-1275ZJ-SUS	DS-1280ZJ-DM46	DS-1276ZJ-SUS	DS-1272ZJ-120B	DS-1271ZJ-120
Vertical Pole Mount	Junction Box	Corner Mount	Wall Mount	Pendant Mount
DS-1253ZJ-M	**DS-1272ZJ-120**			
Rain Shade	Wall Mount			

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