DS-2CD6F82G0-WS
Operations Recording Dual-Lens Camera

HD | Wi-Fi | SD | H.265 | (microphone) | WDR

- High quality imaging with 8 MP and 2MP resolution

- Clear imaging against strong back light due to 120 dB true WDR technology

- Built-in microphone for real-time audio security

- Realize Wi-Fi connection with coverage up to 80 m in open areas

▪ Specification

Camera	
Image Sensor	Channel 1: 1/2.7" Progressive Scan CMOS, Channel 2: 1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Channel 1: Color: 0.002 Lux @ (F1.0, AGC ON), Channel 2: 0.003 Lux @(F1.2, AGC ON)
Shutter Time	1 s to 1/100,000 s

Lens	
Focal Length & FOV	4/8 mm: Channel 1: horizontal FOV 83.6°, vertical FOV 44.6°, diagonal FOV 99.1° Channel 2: horizontal FOV 37.7°, vertical FOV 21°, diagonal FOV 43.5° 2.8/6 mm: Channel 1: horizontal FOV 106.1°, vertical FOV 56.8°, diagonal FOV 126.5° Channel 2: horizontal FOV 50.8°, vertical FOV 27.6°, diagonal FOV 59°
Iris Type	Fixed
Aperture	Channel 1: F6.0, Channel 2: F1.0

DORI	
DORI	4/8 mm: Channel 1: D: 56.6 m, O: 22.4 m, R: 11.3 m, I: 5.7 m Channel 2: D: 239.4 m, O: 95 m, R: 47.9 m, I: 23.9 m 2.8/6 mm: Channel 1: D: 44.1 m, O: 17.5 m, R: 8.8 m, I: 4.4 m Channel 2: D: 183.4 m, O: 72.8 m, R: 36.7 m, I: 18.3 m

Video	
Main Stream	Channel 1: 50 Hz: 20 fps (1920 × 1080) 60 Hz: 20 fps (1920 × 1080) Channel 2: 50 Hz: 25 fps (3840 × 2160) 60 Hz: 24 fps (3840 × 2160)
Video Compression	Main stream: H.265/H.264
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)	4 fixed regions for Main Stream
Video Bit Rate	32 Kbps to 16 Mbps

Audio	
Audio Type	Mono sound
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, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, WebSocket, WebSockets
Simultaneous Live View	Up to 20 channels
API	ONVIF,ISAPI,SDK,ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Network Storage	NAS (NFS, SMB/CIFS),NVR
Client	iVMS-4200,Hik-Connect,HCP
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 1.2, TLS 1.3
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Wi-Fi	
Encryption Mode	WEP, WPA-EAP/WPA2-EAP, WPA-PSK/WPA2-PSK
Wi-Fi Protocol	IEEE802.11b,IEEE802.11g,IEEE802.11n,IEEE802.11ac
Frequency Range	2.4 GHz to 2.4835 GHz, 5.1GHz to 5.8 GHz
Channel Bandwidth	20/40 MHz
Modulation	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Wireless Range	Up to 80 m (The performance varies based on actual environment)
Image	
Image Settings	saturation,brightness,contrast,sharpness,adjustable by client software or web browser
Wide Dynamic Range (WDR)	Channel 1: 120dB; Channel 2: Digital WDR
Day/Night Switch	Day
Image Enhancement	BLC,HLC,3D DNR,Distortion Correction
Privacy Mask	8 rectangular 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	1 built-in microphone
Reset Key	Yes
Event	
Basic Event	Motion detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,trigger recording
General	
Power	12 VDC ± 25%, 0.46 A, max. 5.5 W,Ø5.5 mm coaxial power plug
Material	Main body: Aluminum Alloy+plastic
Dimension	457.8 mm × 72.9 mm × 72 mm (18.02" × 2.87" × 2.83")
Package Dimension	547 mm × 146 mm × 109 mm (21.54" × 5.75" × 4.29")
Weight	Approx. 555 g (1.22 lb.)

With Package Weight	Approx. 920 g (2.03 lb.)
Storage Conditions	-30 °C to 50 °C (-22 °F to 122 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 50 °C (-22 °F to 122 °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	mirror
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, CE-LVD: EN 62368-1:2014/A11:2017
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
RF	CE-RED: EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4, EN 300 328 V2.2.2, EN IEC 62311:2020

▪ 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.
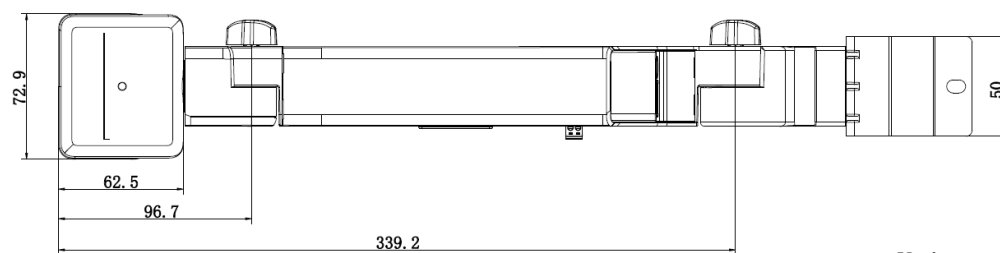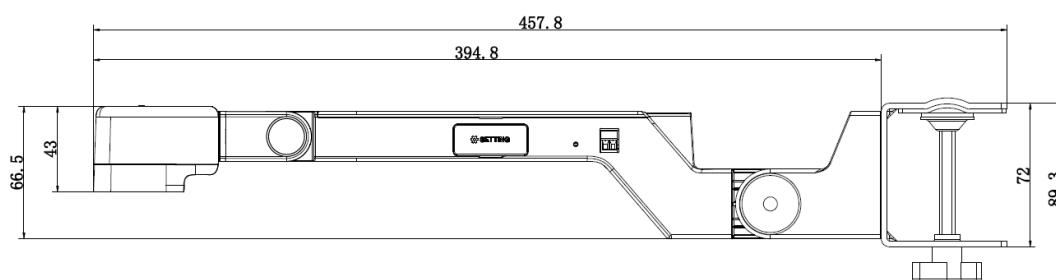
This model has NO SPECIFIC PROTECTION.

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.

▪ Available Model

DS-2CD6F82G0-WS(4mm/8mm)

DS-2CD6F82G0-WS(2.8mm/6mm)

▪ Dimension

457.8

394.8

66.5

43

72

89.3

72.9

62.5

96.7

339.2

50

Unit:mm

See Far, Go Further

HIKVISION®