

DS-2DF2F200SCG-DY(/4G)(/WL15 WL40)(F0) 2F Series 2 MP Water-Level Detection Camera



Hikvision DS-2DF2C200CG 2MP Network Speed Dome adopts 1/1.8" progressive scan CMOS.

Hikvision has been dedicated to develop products with security since established.

Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security capability and protect your devices as well as your data from malicious cyber attacks.

- 24/7 colorful imaging
- High quality imaging with 2 MP resolution
- Clear imaging against strong back lighting thanks to 120 dB WDR technology
- Up to 30 m white light distance
- Water and dust resistant (IP67)
- Supports 4G and low power consumption design. The lowest power consumption is less than 1 W.
- Supports water level detection with millimeter wave radar. The detection distance ranges from 0.15 m to 15 m/40 m, and the precision reaches to ± 1 mm.

▪ Specification

Radar Detection	
Working Frequency	80 GHz
Detection Distance	DS-2DF2F200SCG-DY/WL40(F0)(海外标配)(样机),DS-2DF2F200SCG-DY/4G/WL40(F0)(海外标配)(样机),DS-2DF2F200SCG-DY/4G/WL40(F0)(海外标配)(LA):Water Level: 40 m DS-2DF2F200SCG-DY/WL15(F0)(海外标配)(样机),DS-2DF2F200SCG-DY/4G/WL15(F0)(海外标配)(样机),DS-2DF2F200SCG-DY/4G/WL15(F0)(海外标配)(LA):Water Level: 15 m
Distance Measurement Accuracy	± 1 m
Camera	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.0, AGC ON), B/W: 0.003 Lux @ (F1.0, AGC ON), 0 Lux with light
Shutter Speed	1/30 s to 30,000 s
Slow Shutter	yes
HLC	yes
3D DNR	yes
Max. Resolution	1920 × 1080
Lens	
FOV	Horizontal field of view: 106.1°, vertical field of view: 56.8°, diagonal field of view: 126.5°
Focal Length	2.8 mm
Aperture	F1.0
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	White light distance: up to 30 m
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	H.265, H.264, MJPEG
Video Bit Rate	32 kbps~8192 kbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	yes
Region of Interest (ROI)	fixed region
Audio	
Audio Compression	G.711, G.722.1, G.726, MP2L2, PCM, AAC-LC
Audio Bit Rate	AAC: 16 kbps, 32 kbps, 64 kbps
Audio Sampling Rate	PCM: 8 kHz, 16 kHz, 32 kHz, 48 kHz, MP2L2: 16 kHz, 32 kHz, 48 kHz
Environment Noise Filtering	Yes

Network	
Protocols	HTTP,QoS,RTP,TCP/IP,UDP,RTSP,SNMP,SSL/TLS,IPv4,IGMP,DNS,RTCP,HTTPS,ICMP,IPv6,SMTP,WebSocket,WebSockets,NTP,DHCP
API	ISAPI,ISUP,SDK,EZVIZ
Network Storage	NAS (NFS, SMB/ CIFS)
Simultaneous Live View	20
User/Host	32
Security	HTTPS encryption,Authenticated username and password,MAC address binding,IP address filter
Client	iVMS-4200
Web Browser	IE11, Chrome 57.0+, Firefox 52.0+, Safari 11+
Wireless (Wi-Fi)	
Wireless Range	Up to 50 m (The performance varies based on actual environment)
Wireless (Mobile Communication)	
Mobile Communication Type	4G
Frequency	EU: TDD-LTE: Band38/40/41, FDD-LTE: Band 1/3/5/7/8/20/28,WCDMA/HSPA+:Band1/5/8 LA: TDD-LTE: Band38/40, FDD-LTE: Band 1/2/3/4/5/7/8/12/17/28/66,WCDMA/HSPA+:Band1/2/3/4/5/8
Standard	Standard TDD-LTE/FDD-LTE/WCDMA/HSPA+
Image	
Day/Night Switch	night,auto,scheduled-switch,day
Privacy Mask	8 programmable polygon privacy masks, mask color or mosaic configurable
Image Enhancement	BLC,HLC,3D DNR
Wide Dynamic Range (WDR)	120 dB WDR
Defog	yes
Regional Exposure	yes
Image Settings	saturation,brightness,sharpness,contrast
Image Parameters Switch	Yes
SNR	> 52dB
Interface	
RS-485	YES
Ethernet Interface	RJ45, self-adaptive 10M/100M Ethernet port
Alarm	2 input(s), 1 output(s)
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω $\pm$ 10%
Reset	yes
Event	
Basic Event	alarm input and output,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error, abnormal restart),video tampering alarm
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,and PTZ actions (such as preset, patrol scan, pattern scan)

General	
Power	12V 2A Max. 10 W (including max. 1.5 W for heater and max. 0.7W for supplement light). Average power consumption for real-time live view in daylight: 3W. Average power consumption for real-time live view at night: 3.7 W.
Operating Condition	-40 °C to 70 °C (-40 °F to 158 °F). Humidity 95% or less (non-condensing)
Demist	yes
Dimension	148.6 mm × 148.6 mm × 89 mm (5.85" × 5.85" × 3.50")
Weight	Approx. 0.76 kg (1.68 lb.)
Approval	
Protection	IP67 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection

▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4:2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	44.1 m (144.69 ft.)	17.5 m (57.41 ft.)	8.8 m (28.87 ft.)	4.4 m (14.44 ft.)

▪ Available Model

DS-2DF2F200SCG-DY/WL40(F0)

DS-2DF2F200SCG-DY/WL15(F0)

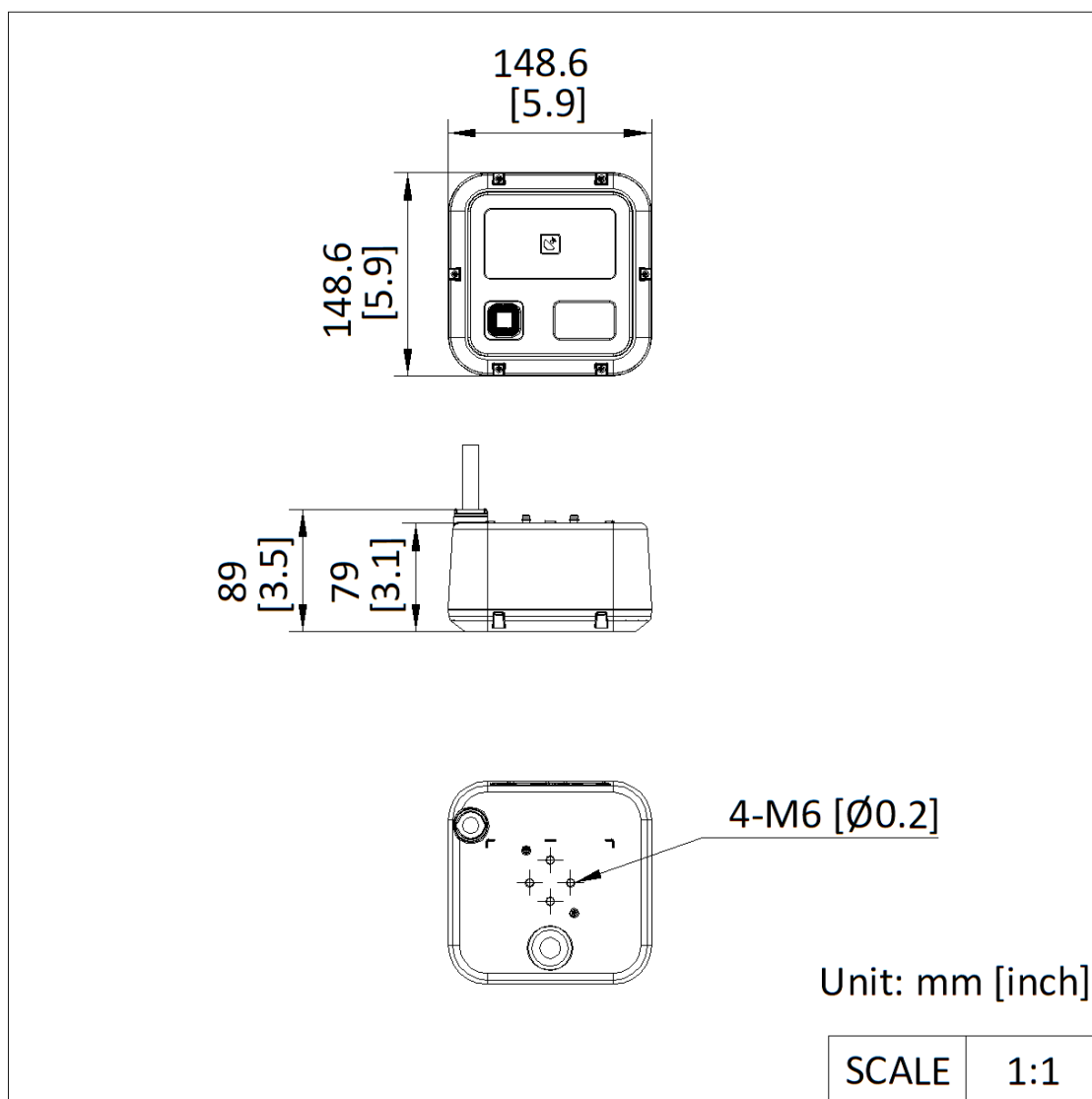
DS-2DF2F200SCG-DY/4G/WL15(F0)

DS-2DF2F200SCG-DY/4G/WL15(F0)(LA)

DS-2DF2F200SCG-DY/4G/WL40(F0)

DS-2DF2F200SCG-DY/4G/WL40(F0)(LA)

▪ Dimension



▪ Accessory

▪ Optional

DS-2115ZJ-PSAC



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