DS-2CFW04(/EU)
4 MP Outdoor Wi-Fi Bullet Network Camera





- Support Wi-Fi 6
- Support Human and Vehicle Detection
- Built-in microphone and speaker, support two-way audio
- Good night-time performance with up to 30 m IR and 30 m white light
- Water and dust resistant (IP66)

▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (F1.6, AGC ON)
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 124°, vertical FOV 70°, diagonal FOV 142° 4 mm, horizontal FOV 91°, vertical FOV 49°, diagonal FOV 108°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
Depth of Field	2.8 mm: 1.2 m to ∞ 4 mm: 1.3 m to ∞
DORI	
DORI	2.8 mm, D: 55 m, O: 21 m, R: 11 m, I: 5 m 4 mm, D: 67 m, O: 26 m, R: 13 m, I: 6 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	IR: up to 30 m White Light: up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 20 fps (768 × 432) 60 Hz: 20 fps (768 × 432)
Video Compression	Main stream: H.265/H.264, Sub-stream: H.265/H.264
Video Bit Rate	32 Kbps to 4 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
Audio Compression	G.711(ulaw)/ (AAC-LC)
Audio Bit Rate	64 Kbps (G.711ulaw)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes

Network	
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
Simultaneous Live View	Up to 6 channels
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTCP, RTSP, NTP, IGMP, IPv4, IPv6, UDP, QoS, UPnP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200
Web Browser	Chrome 57.0+, Firefox 52.0+, Edge 89+
Wi-Fi	
Encryption Mode	WPA-EAP/WPA2-EAP, WPA-PSK/WPA2-PSK
Wi-Fi Protocol	IEEE802.11b, IEEE802.11g, IEEE802.11n, IEEE802.11ax
Frequency Range	2.4 GHz to 2.4835 GHz
Channel Bandwidth	20/40 MHz, Only 802.11n supports 40MHz
Modulation	802.11b: DBPSK, DQPSK, CCK 802.11g: BPSK, QPSK, 16QAM, 64QAM 802.11n: BPSK, QPSK, 16QAM, 64QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 150 Mbps 802.11ax: up to 114 Mbps
Wireless Range	Up to 120 m (The performance varies based on actual environment)
Antenna	1 Antenna
Image	
Image Parameters Switch	Yes
Wide Dynamic Range (WDR)	Digital WDR
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Built-in Microphone	1 built-in microphone
Built-in Speaker	Max. power consumption: 2 W, max. sound pressure level: 10 cm: 97 dB.
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle))
Linkage	Notify surveillance center, audible warning

General	
Power	12 VDC ± 25%, 0.6 A, max. 7.2 W, Ø5.5 mm coaxial power plug, reverse polarity protection, *A switching adapter is included in the package.
Material	Front cover: Plastic, body: Plastic, bracket: Plastic
Dimension	94.1 mm × 75 mm × 174.5 mm (3.7" × 3.0" × 6.9")
Package Dimension	285 mm × 145 mm × 93 mm (11.2" × 5.7" × 3.7")
Weight	DS-2CFW04(/EU):Approx. 270 g (0.6 lb.) Approx. 270 g (0.59 lb.)
With Package Weight	DS-2CFW04(/EU):Approx. 520 g (1.2 lb.) Approx. 520 g (1.15 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	English, Ukranian
General Function	Heartbeat, mirror, password protection, anti-banding
Approval	
RF	CE-RED: EN 301489-1 V2.1.1(BT or 2.4G); EN 301489-17 V3.1.1 (BT or 2.4G); EN 300328 V2.1.1 (BT or 2.4G); EN 62311:2008 (BT or 2.4G)
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
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP66:IEC 60529-2013

▪ 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.

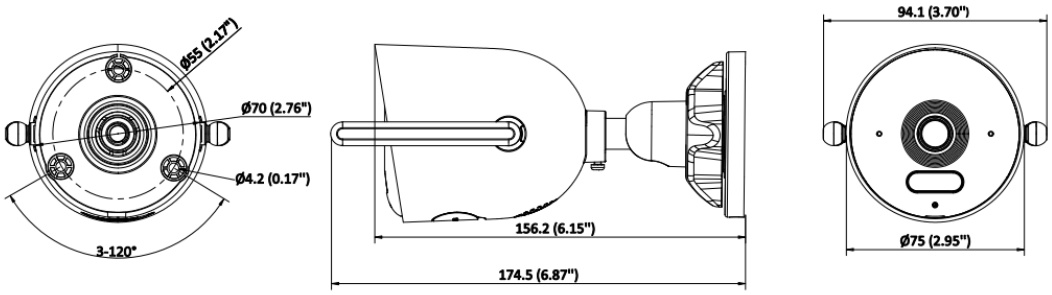
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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-2CFW04(2.8mm)

DS-2CFW04(4mm)

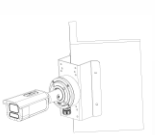
▪ Dimension



Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount	DS-1280ZJ-XS Junction box
		
		

See Far, Go Further

www.hikvision.com
support@hikvision.com

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