

**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°<br>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 ∞<br>4 mm: 1.3 m to ∞                                                                                            |
| DORI                        |                                                                                                                                   |
| DORI                        | 2.8 mm, D: 55 m, O: 21 m, R: 11 m, I: 5 m<br>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<br>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)<br>60 Hz: 20 fps (2560 × 1440, 1920 × 1080, 1280 × 720)                      |
| Sub-Stream                  | 50 Hz: 20 fps (768 × 432)<br>60 Hz: 20 fps (768 × 432)                                                                            |
| Video Compression           | Main stream: H.265/H.264,<br>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<br>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<br>802.11g: BPSK, QPSK, 16QAM, 64QAM<br>802.11n: BPSK, QPSK, 16QAM, 64QAM<br>802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM                                                                     |
| Transfer Rate            | 802.11b: up to 11 Mbps<br>802.11g: up to 54 Mbps<br>802.11n: up to 150 Mbps<br>802.11ax: up to 114 Mbps                                                                                                                |
| Wireless Range           | Up to 120 m<br>(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 $\pm$ 25%, 0.6 A, max. 7.2 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection,<br>*A switching adapter is included in the package. |
| Material                         | Front cover: Plastic, body: Plastic, bracket: Plastic                                                                                                          |
| Dimension                        | 94.1 mm $\times$ 75 mm $\times$ 174.5 mm (3.7" $\times$ 3.0" $\times$ 6.9")                                                                                    |
| Package Dimension                | 285 mm $\times$ 145 mm $\times$ 93 mm (11.2" $\times$ 5.7" $\times$ 3.7")                                                                                      |
| Weight                           | DS-2CFW04(/EU):Approx. 270 g (0.6 lb.)<br>Approx. 270 g (0.59 lb.)                                                                                             |
| With Package Weight              | DS-2CFW04(/EU):Approx. 520 g (1.2 lb.)<br>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, Ukrainian                                                                                                                                             |
| 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,<br>CE-LVD: EN 62368-1:2014/A11: 2017                                                                                                 |
| Environment                      | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>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.

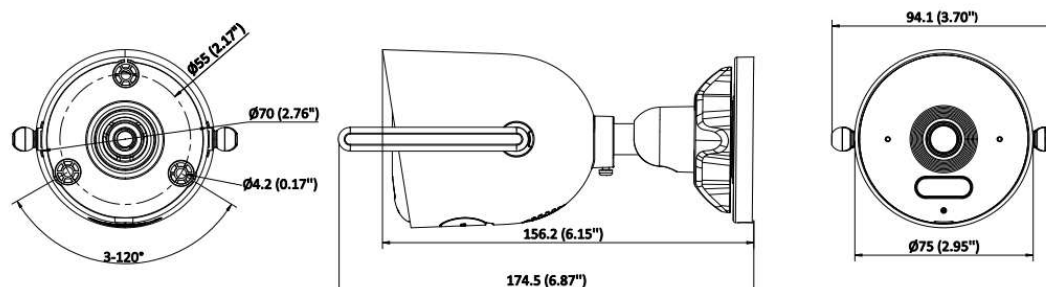
| Level                  | Description                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>Vertical pole mount                                                | DS-1276ZJ-SUS<br>Corner mount                                                       | DS-1280ZJ-XS<br>Junction box                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
|  |  |  |

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