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# HIKVISION DS-2CV2041G2-IDW 4 MP EXIR Fixed Bullet WiFi Network Camera Instruction Manual

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## DS-2CV2041G2-IDW 4 MP EXIR Fixed Bullet WiFi Network Camera

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## Specifications

**Camera:**

- Image Sensor: Max. Resolution
- Min. Illumination: Shutter Time
- Day & Night Angle Adjustment
- Lens Type: Focal Length & FOV
- Aperture: Lens Mount
- Iris Type: Depth of Field
- DORI Illuminator: Supplement Light Type
- Supplement Light Range: IR Wavelength

**Video:**

- Main Stream: Sub-Stream
- Video Compression: Video Bit Rate
- Audio Compression: Audio Bit Rate
- Audio Sampling Rate: Environment Noise Filtering

**Network:**

- Protocols: Simultaneous Live View API
- Security: User/Host, Network Storage
- Client Web Browser: Wi-Fi Transfer Rate

**Image:**

- Image Settings: Day/Night Switch, Wide Dynamic Range (WDR)
- SNR Image Enhancement: Interface

**Event:**

- Basic Event: Linkage

**General:**

- Power: Language, Storage Conditions

- Startup and Operating Conditions
  - Material, Dimension, Package Dimension, Weight with Package Weight, Approval
- 

## **Product Usage Instructions**

### **Installation and Setup:**

1. Mount the camera securely in the desired location.
2. Connect the camera to a power source.
3. Follow the manufacturer's instructions to connect the camera to a Wi-Fi network.
4. Adjust camera settings using the provided software or app.

### **Monitoring and Recording:**

1. Access the live view of the camera using the designated app or software.
2. Set up recording preferences such as motion detection or continuous recording.
3. Monitor the camera feed in real-time or review recorded footage as needed.

### **Maintenance and Troubleshooting:**

1. Regularly check and clean the camera lens for optimal performance.
  2. If experiencing connectivity issues, reset the camera and reconfigure the Wi-Fi settings.
  3. Contact customer support for further assistance with any technical difficulties.
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## **Frequently Asked Questions (FAQ)**

## **Q: How much onboard storage does the camera support?**

A: The camera supports onboard storage up to 512 GB using a compatible memory card.

## **Q: Is the camera weather-resistant?**

A: Yes, the camera is water and dust resistant with an IP66 rating, suitable for outdoor use.

## **Q: What is the maximum wireless range of the Wi-Fi connection?**

A: The camera has a wireless range of up to 120 meters, but actual performance may vary based on the environment.

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[View Fullscreen](#)

## DS-2CV2041G2-IDW (W) 4 MP EXIR Fixed Bullet Wi-Fi Network Camera

High quality imaging with 4 MP resolution Realizing Wi-Fi connection and easy installation Provides real-time security via built-in two-way audio EXIR 2.0, advanced infrared technology with long IR distance Support on-board storage up to 512 GB (SD card slot) Water and dust resistant (IP66)

### Specification

Camera Image Sensor Max. Resolution Min. Illumination Shutter Time Day & Night

Angle Adjustment Lens Lens Type

Focal Length & FOV

Aperture Lens Mount Iris Type

Depth of Field

DORI

DORI

Illuminator Supplement Light Type Supplement Light Range IR Wavelength Smart

Supplement Light Video

Main Stream

Sub-Stream

Video Compression

Video Bit Rate H.264 Type H.265 Type Bit Rate Control Audio Audio Compression Audio

Bit Rate Audio Sampling Rate Environment Noise Filtering

1/3" Progressive Scan CMOS 2560 × 1440 Color: 0.5 Lux @ (F1.6, AGC ON), B/W: 0  
Lux with IR 1/25 s to 1/10000 s IR cut filter Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to  
360°

Fixed focal lens, 2.8 and 4 mm optional 2.8 mm, horizontal FOV 97°, vertical FOV 53°,  
diagonal FOV 117° 4 mm, horizontal FOV 82°, vertical FOV 44°, diagonal FOV 100° F1.6

M12 Fixed 2.8 mm: 1 m to 4 mm: 1.5 m to

2.8 mm, D: 63 mm, O: 25 mm, R: 12 mm, I: 6 mm 4 mm, D: 78 mm, O: 31 mm, R: 15 mm, I: 7 mm

IR Up to 30 m 850 nm Yes

50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 ×  
1440), 30 fps (1920 × 1080, 1280 × 720) 50 Hz: 25 fps (768 × 432, 512 × 288) 60 Hz: 30

fps (768 × 432, 512 × 288) Main stream: H.265+/H.265/H.264+/H.264 Sub-stream:

H.265/H.264/MJPEG 256 Kbps to 4 Mbps Baseline Profile, Main Profile, High Profile

Main Profile CBR, VBR

G.711/G.722.1/G.726/PCM/AAC-LC 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps

(G.726)/16 to 64 Kbps (AAC -LC) 8 kHz/16 kHz Yes

Network Protocol s Simultaneous Live View API

Security

User /Host

Network Storage

Client Web Browser Wi-Fi Transfer Rate Wi-Fi Protocol Frequency Range Channel

Bandwidth

Modulation

Wireless Range

Antenna Image Image Settings Day/Night Switch Wide Dynamic Range (WDR) SNR  
Image Enhancement Interface Built-in Microphone Built-in Speaker On-Board Storage  
Reset Key Ethernet Interface Event

Basic Event

Language

General

Power

Language Storage Conditions Startup and Operating Conditions

TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS,  
Bonjour Up to 4 channels NA Password protection, HTTPS encryption, Security Audit  
Log, basic and digest authentication for HTTP/HTTPS Only one user: administrator NAS  
(NFS, SMB/CIFS), Together with high-end Hikvision memory card, memory card  
encryption and health detection are supported. Hik-Connect, iVMS-4200 NA  
11n: up to 300 Mbps 802.11n: OFDM, 802.11b: DSSS, 802.11g: OFDM 2.412 GHz to  
2.472 GHz 20 MHz 802.11n: BPSK, QPSK, 16QAM, and 64QAM, 802.11b: DBPSK and  
DQPSK, CCK, 802.11g: BPSK, QPSK, 16QAM, and 64QAM Up to 120 m (The  
performance varies based on actual environment) 2 Antennas  
Auto Auto, Schedule, Day, Night 80 dB 52 dB BLC, 3D DNR  
Yes Yes Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to  
512 GB Yes 1 RJ45 10 M/100 M self-adaptive Ethernet port  
Motion detection (support alarm triggering by specified target types (human and  
vehicle)), exception Upload to NAS/memory card, notify surveillance center, trigger  
recording, trigger capture  
12 VDC  $\pm$  25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity  
protection, A switching adapter is included in the package. Environments -30 °C to 60 °C (-  
22 °F to 140 °F). Humidity 95% or less (non-condensing)  
-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)

General Function Materials Dimensions Package Dimension Weight With Package  
Weight Approval

EMC

RF Safety

Environment

## Protection

Heartbeat, mirror, password protection Front cover: metal , back cover: plastic 175.6 mm × 73 mm × 89.1 mm (6.9" × 2.9" × 3.5") 260 mm × 125 mm × 125 mm (10.2" × 4.9" × 4.9") Approx. 345 g (0.8 lb.) Approx. 635 g (1.4 lb.)

CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014 CE-RED (EN 301489-1 V2.1.1(BT or 2.4G) CE-LVD: EN 62368-1: 2014/A11: 2017 CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006 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 Top-level protection Moderate protection No specific protection

Description 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. 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. Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

## Available Model

DS-2CV2041G2-IDW(2.8mm)(W) DS-2CV2041G2-IDW(4mm)(W)

## Dimension


## Accessory

## Optional

DS-1280ZJ-XS Junction box




# Documents / Resources


	<p><a href="#">HIKVISION DS-2CV2041G2-IDW 4 MP EXIR Fixed Bullet WiFi Network Camera [pdf]</a> Instruction Manual</p> <p>CMX CDV-70H, DS-2CV2041G2-IDW, DS-2CV2041G2-IDW 4 MP EXIR Fixed Bullet WiFi Network Camera, DS-2CV2041G2-IDW, 4 MP EXIR Fixed Bullet WiFi Network Camera, Fixed Bullet WiFi Network Camera, WiFi Network Camera, Network Camera</p>
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## References

- [User Manual](#)



Hikvision



4 MP EXIR Fixed Bullet WiFi Network Camera, CMX CDV-70H, DS-2CV2041G2-IDW, DS-2CV2041G2-IDW 4 MP EXIR Fixed Bullet WiFi Network Camera, Fixed Bullet WiFi Network Camera, Hikvision, Network Camera, WiFi Network Camera

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