

4MP Outdoor Audio Fixed Dome Network Camera



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Main Features

- ✦ High quality imaging with 4 MP resolution,
- ✦ Realizing Wi-Fi connection and easy installation,
- ✦ Provides real-time security via built-in two-way audio,
- ✦ Efficient H.265 compression technology,
- ✦ EXIR 2.0, advanced infrared technology with long IR distance,
- ✦ Wi-Fi connection with Hik-Connect directly is not possible,
- ✦ Water and dust resistant (IP66),
- ✦ Built-in memory card slot, support micro SD / micro SDHC / micro SDXC card, up to 512 GB

Available Models

DS-2CV2141G2-IDW(2.8mm) | DS-2CV2141G2-IDW(4mm) | DS-2CV2141G2-IDW(2.8mm)(E) | DS-2CV2141G2-IDW(4mm)(E)

Technical Specifications

Camera

- ✦ **Image Sensor** 1/3" Progressive Scan CMOS
 - ✦ **Max. Resolution** 2560 × 1440
 - ✦ **Min. Illumination** Color: 0.005 Lux @ (F1.6, AGC ON),B/W: 0 Lux with IR
 - ✦ **Shutter Time** 1/3 s to 1/100,000 s
 - ✦ **Day & Night** IR cut filter
 - ✦ **Angle Adjustment** Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355°
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Lens

- ✦ **Lens Type** Fixed focal lens, 2.8 and 4 mm optional
 - ✦ **Focal Length & FOV**
-

✓ 2.8 mm, horizontal FOV 95°, vertical FOV 53°, diagonal FOV 111°

✓ 4 mm, horizontal FOV 79°, vertical FOV 40°, diagonal FOV 94°

+ Aperture F1.6

+ Iris Type Fixed

+ Lens Mount M12

+ Depth Of Field

✓ 2.8 mm: 1.4 m to ∞

✓ 4 mm: 1.5 m to ∞

DORI

+ DORI

✓ 2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m

✓ 4 mm, D: 78 m, O: 31 m, R: 15 m, I: 7 m

Illuminator

+ Supplement Light Type IR

+ Supplement Light Range Up to 30 m

+ Smart Supplement Light Yes

+ IR Wavelength 850 nm

Video

+ Main Stream

✓ 50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720)


✓ 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)

Sub-Stream

- ✓ 50 Hz: 25 fps (1280 x 720, 640 x 480, 640 x 360)
 - ✓ 60 Hz: 30 fps (1280 x 720, 640 x 480, 640 x 360)
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Video Compression

- ✓ Main stream: H.265+/H.265/H.264+/H.264
 - ✓ Sub-stream: H.265/H.264
-


 **Video Bit Rate** 32 Kbps to 8 Mbps


 **H.264 Type** Baseline Profile, Main Profile, High Profile

 **H.265 Type** Main Profile

 **Bit Rate Control** CBR,VBR

Audio


 **Audio Compression** G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC

 **Audio Bit Rate** 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)


 **Audio Sampling Rate** 8 kHz/16 kHz

 **Environment Noise Filtering** Yes

Network

 **Protocols** TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IPv6, Bonjour

 **Simultaneous Live View** Up to 6 channels

 **API** Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK

✚ **Security** Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS

✚ **User/Host** Up to 32 users. 3 levels: administrator, operator and user

✚ **Network Storage**

- ✓ NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR),
 - ✓ Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
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✚ **Client**

- ✓ Wired network: Hik-Connect, iVMS-4200
 - ✓ Wi-Fi: iVMS-4200
 - ✓ *Wi-Fi connection with Hik-Connect directly is not possible.
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✚ **Web Browser**

- ✓ Plug-in required live view: IE 10+
 - ✓ Plug-in free live view: Chrome 57.0+, Firefox 52.0+
 - ✓ Local service: Chrome 57.0+, Firefox 52.0+
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Wi-Fi

✚ **Wi-Fi Protocol** 802.11n: OFDM, 802.11b: CCK, QPSK, BPSK, 802.11g: OFDM

✚ **Frequency Range** 2.412 GHz to 2.472 GHz

✚ **Channel Bandwidth** 20/40 MHz

✚ **Modulation** 802.11n: OFDM, 802.11b: CCK, QPSK, BPSK, 802.11g: OFDM

✚ **Transfer Rate** 11n: up to 300 Mbps

✚ **Wireless Range**

- ✓ Up to 120 m
 - ✓ (The performance varies based on actual environment)
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+ **Antenna 2** Antennas

Image

- + **Image Settings** saturation, brightness, contrast, sharpness, adjustable by client software or web browser
 - + **Day/Night Switch** Auto, Schedule, Day, Night
 - + **Wide Dynamic Range (WDR)** 120 dB
 - + **SNR** ≥ 52 dB
 - + **Image Enhancement** BLC, 3D DNR
 - + **Privacy Mask** 4 programmable polygon privacy masks
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Interface

- + **Built-In Microphone** Yes
 - + **Built-In Speaker** Yes
 - + **On-Board Storage** Built-in memory card slot, support micro SD / micro SDHC / micro SDXC card, up to 256 GB
 - + **Reset Key** Yes
 - + **Ethernet Interface** 1 RJ45 10 M/100 M self-adaptive Ethernet port
-

Event


- + **Basic Event** Motion detection, exception
 - + **Linkage**
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- ✓ notify surveillance center, trigger recording, trigger capture,
 - ✓ Upload to NAS/memory card
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Deep Learning Function


Perimeter Protection


General


 **Power** 12 VDC \pm 25%, 0.5 A, max. 6 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection, A switching adapter is included in the package.

 **Language** English, Ukrainian

 **Storage Conditions** -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)


 **General Function** Anti-banding, heartbeat, mirror, password protection, watermark, IP address filter


 **Startup And Operating Conditions** -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)

 **Material** Polycarbonate cover, polycarbonate body

Dimension

✓ \varnothing 126 mm \times 96.1 mm (\varnothing 5 \times 3.8\)"

 **Package Dimension** 170 mm \times 170 mm \times 150 mm (6.7" \times 6.7" \times 5.9")

 **Weight** Approx. 590 g (1.3 lb.)

 **With Package Weight** Approx. 989 g (2.2 lb.)

Approval

EMC

✓ FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015);

✓ FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015);

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 RF

- ✓ FCC ID (FCC Part 15.247(BT or 2.4G));
 - ✓ IC ID (RSS-247(BT or 2.4G));
 - ✓ 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));
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- ✓ MIC (JPN)

Safety

- ✓ UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);;
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 - ✓ UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);;
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Environment

- ✓ CE-RoHS: 2011/65/EU,
 - ✓ WEEE: 2012/19/EU,
 - ✓ Reach: Regulation (EC) No 1907/2006
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Protection IP66: IEC 60529-2013
