

## DS-2CV2021G2-IDW 2 MP EXIR Fixed Bullet Wi-Fi Network Camera



- 1/2.7" Progressive Scan 2MP CMOS
- Built-in dual antenna 2.4G Wi-Fi, up to 120m range in open area
- Built-in microphone and speaker, support two-way audio
- H.265+, H.265, H.264+, H.264
- EXIR, 30m IR range
- IP66 Dust and water proof
- Built-in micro SD/SDHC/SDXC card slot, up to 256 GB



## ▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR on
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Wide Dynamic Range	Digital WDR
Day & Night	ICR Cut
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type & FOV	2.8 mm, horizontal FOV: 112°, vertical FOV: 59°, diagonal FOV: 134°; 4 mm, horizontal FOV: 91°, vertical FOV: 48°, diagonal FOV: 109°
Aperture	F1.6
Lens Mount	M12
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz:25 fps (1920 × 1080, 1280 × 720) 60Hz:30 fps (1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25 fps (640 × 360) 60Hz: 30 fps (640 × 360)
Video Compression	Main stream/Sub-stream: H.265/H.264
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Stream Type	Main stream and sub-stream
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Audio Type	Mono sound
Network	
Simultaneous Live View	Up to 6 channels
API	ISAPI, SDK, ONVIF
Protocols	TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour
User/Host	Up to 32 users 3 levels: administrator, operator and user

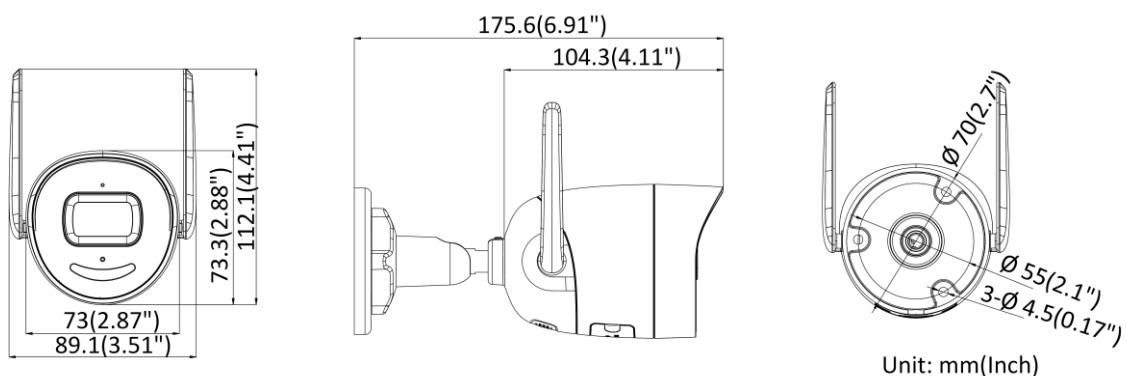
Security	Password protection, complicated password, IP address filter, watermark
Network Storage	MicroSD/SDHC/SDXC card (max. 256 GB), local storage and NAS (NFS, SMB/CIFS), ANR
Client	Wired network: Hik-Connect, iVMS-4200 Wi-Fi: iVMS-4200 *Wi-Fi connection with Hik-Connect directly is not possible.
Web Browser	Plug-in required live view: IE8, IE9, IE10, IE11 Local service: Chrome 57.0+, Firefox 52.0+
Alarm Trigger	Motion detection, illegal login
<b>Wi-Fi</b>	
Encryption Mode	64/128-bit WEP, WPA-EAP/WPA2-EAP, WPA-PSK/WPA4-PSK
Wi-Fi Protocol	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz - 2.4835 GHz
Channel Bandwidth	20/40 MHz
Modulation	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
Wireless Range	Up to 120 m (The performance varies based on actual environment)
<b>Image</b>	
Day/Night Switch	Day/Night/Auto/Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
SNR	≥ 52 dB
<b>Interface</b>	
Audio	1 built-in microphone, 1 built-in speaker
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
<b>General</b>	
Linkage Method	Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, audible warning
Online Upgrade	Yes
Firmware Version	V5.5.101
Web Client Language	English
General Function	Anti-flicker, heartbeat, mirror, password protection, password reset via e-mail
Storage Conditions	-30 °C to 50 °C (-22 °F to 122 °F)
Startup and Operating Conditions	-30 °C to 50 °C (-22 °F to 122 °F)
Power Supply	12 VDC ± 25%
Power Consumption and Current	12 VDC, max. 7.2 W
Power Interface	Ø5.5 mm coaxial power plug
Material	Front cover: metal, back cover: plastic
Camera Dimension	175.6 × 73.0 × 89.1mm (6.91" × 2.87" × 3.51")
Package Dimension	260 × 125 × 125 mm (10.24" × 4.92" × 4.92")
Camera Weight	Approx. 450 g (0.99 lb.)

With Package Weight	Approx. 770 g (1.70 lb.)
<b>Approval</b>	
EMC	FCC (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); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
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)); WPC (EN 301 489-1 V2.1.1(BT or 2.4G); EN 301 489-17 V3.1.1(BT or 2.4G); EN 300 328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G); EN 55032:2015; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 50130-4:2011 +A1:2014); KC (KN 32:2015; KN 35: 2015; KN 301489-1; KN 301489-17); ICASA (EN 301 489-1 V2.1.1(BT or 2.4G); EN 301 489-17 V3.1.1(BT or 2.4G); EN 300 328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G); EN 55032:2015; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 50130-4:2011 +A1:2014; EN 60950-1:2005 + Am 1:2009 + Am 2:2013)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) Reach Regulation (EC) No 1907/2006
Protection	Ingress protection: IP66 (IEC 60529-2013)

## ▪ Available Model

DS-2CV2021G2-IDW(2.8/4 mm)

## ▪ Dimension



▪ **Accessory**▪ **Optional****DS-1280ZJ-XS****Junction box**

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