

## DS-2CD2051G1-IDW 5 MP IR Fixed Network Bullet Camera



- High quality imaging with 5 MP resolution
- Efficient H.265+ compression technology
- Clear imaging even with strong back lighting due to DWDR technology
- Up to 128 GB SD card slot for storage
- Built-in microphone for real-time audio security
- Wi-Fi connection and easy installation
- Water and dust resistant (IP66)



## ▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.028 Lux @(F2.0, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
Wide Dynamic Range	DWDR
DNR	3D DNR
Axis Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Auto-Iris	No
Aperture	F2.0
Focus	No
FOV	2.8 mm, horizontal FOV: 100°, vertical FOV: 74°, diagonal FOV: 130° 4 mm, horizontal field of view: 75°, vertical FOV: 55°, diagonal FOV: 98°
Lens Mount	M12
Focal Length	2.8/4 mm
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Video	
Max. Resolution	2560 × 1920
Main Stream	50Hz: 12.5 fps (2560 × 1920) 20 fps (2560 × 1440) 25 fps (2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 15 fps (2560 × 1920) 20 fps (2560 × 1440) 30 fps (2304 × 1296, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 8 Mbps
Audio	
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)
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Smart Feature-Set	
Region of Interest	Support 1 fixed region for main stream and sub-stream

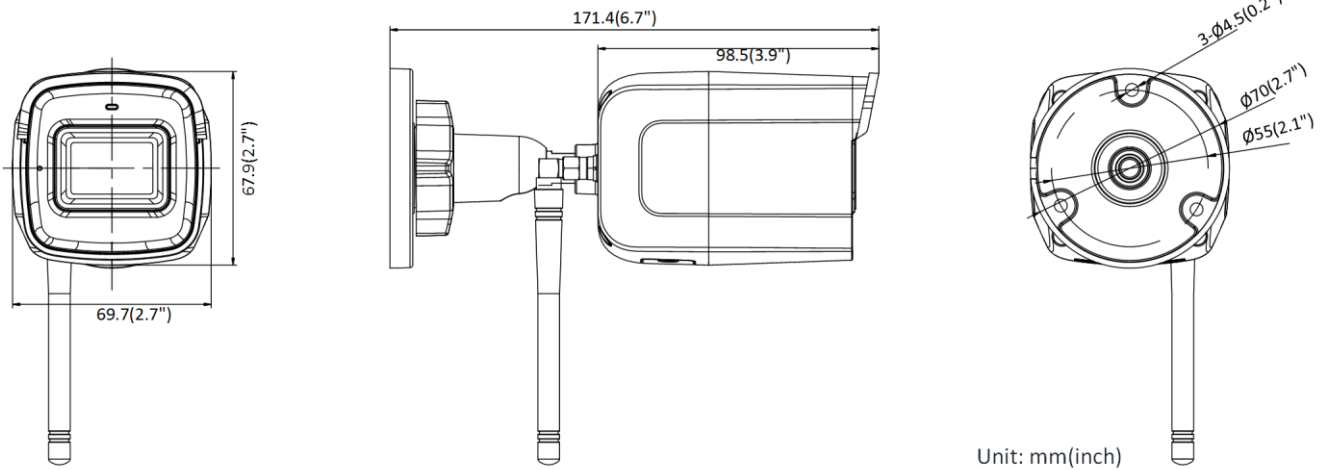
<b>Image</b>	
Image Enhancement	BLC/3D DNR
Image Setting	Saturation, brightness, contrast and sharpness are adjustable via client software and web browser
Day/Night Switch	Auto/Scheduled/Day/Night
<b>Wi-Fi</b>	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency	2.412 GHz - 2.472 GHz
Channel Bandwidth	20/40 MHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transfer Rate	11b/g: 54 Mbps 11n: up to 150 Mbps
Wireless Range	Up to 50 m (The performance varies based on actual environment)
<b>Network</b>	
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD error, HDD full
Network Storage	Support built-in microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR
Protocols	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users. 3 levels: administrator, operator and user
Client	Wired network: Hik-Connect, iVMS-4200, iVMS-5200, iVMS-4500 Wi-Fi: iVMS-4200, iVMS-5200, iVMS-4500
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 Built-in mic, mono sound
Alarm	No
Video Output	No
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
<b>General</b>	
Firmware Version	V5.5.88
General Function	One-key reset, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Reset	Yes
Startup and Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, Ø5.5 mm coaxial plug power
Power Consumption and Current	12 VDC, 0.5 A, max: 6 W, <20 dBm
Material	Front cover: plastic, camera body: metal
Dimensions	Camera: 69.7 mm × 67.9 mm × 171.4 mm (2.7" × 2.7" × 6.7") With package: 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")

Weight	Camera: 372 g (0.8 lb.) With package: 659 g(1.5 lb.)
<b>Approval</b>	
Protection	Ingress protection: IP66 (IEC 60529-2013)
<b>Compression Standard</b>	
H.264+	Main stream supports
H.265+	Main stream supports

▪ **Available Model**

DS-2CD2051G1-IDW1 (2.8 mm, 4 mm)

▪ **Dimension**



▪ **Accessory**

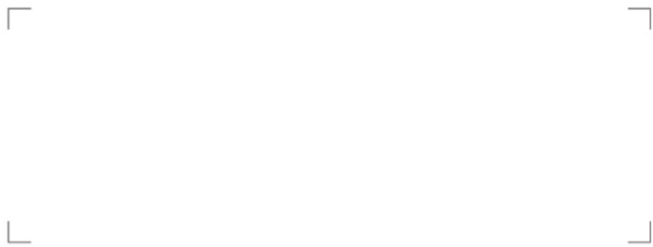


DS-1280ZJ-XS

Junction Box



Distributed by

**HIKVISION®****Headquarters**

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**

T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Australia**

T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision India**

T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Canada**

T +1-866-200-6690  
sales.canada@hikvision.com

**Hikvision Thailand**

T +662-275-9949  
sales.thailand@hikvision.com

**Hikvision Europe**

T +31-23-5542770  
sales.eu@hikvision.com

**Hikvision Italy**

T +39-0438-6902  
info.it@hikvision.com

**Hikvision Brazil**

T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Turkey**

T +90 (216)521 7070- 7074  
sales.tr@hikvision.com

**Hikvision Malaysia**

T +601-7652-2413  
sales.my@hikvision.com

**Hikvision UK & Ireland**

T +01628-902140  
sales.uk@hikvision.com

**Hikvision South Africa**

Tel: +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision France**

T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Kazakhstan**

T +7-727-9730667  
nikia.panfilov@hikvision.ru

**Hikvision Vietnam**

T +84-974270888  
sales.vt@hikvision.com

**Hikvision UAE**

T +971-4-4432090  
salesme@hikvision.com

**Hikvision Singapore**

T +65-6684-4718  
sg@hikvision.com

**Hikvision Spain**

T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Tashkent**

T +99-87-1238-9438  
uzb@hikvision.ru

**Hikvision Hong Kong**

T +852-2151-1761  
info.hk@hikvision.com

**Hikvision Russia**

T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Korea**

T +82-(0)31-731-8817  
sales.korea@hikvision.com

**Hikvision Poland**

T +48-22-460-01-50  
info.pl@hikvision.com

**Hikvision Indonesia**

T +62-21-2933759  
Sales.Indonesia@hikvision.com

**Hikvision Colombia**

sales.colombia@hikvision.com