DS-2CD2121G1-IDW
2 MP IR Fixed Dome Wi-Fi Network Camera

- High quality imaging with 2 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 with Hik-Connect directly is not possible

- 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 355°, tilt: 0° to 75°
Lens	
Aperture	F2.0
FOV	2.8 mm, horizontal FOV: 114°, vertical FOV: 62°, diagonal FOV: 135° 4 mm, horizontal field of view: 86°, vertical FOV: 46°, diagonal FOV: 102°
Lens Mount	M12
Focal Length	2.8/4 mm
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Network	
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	TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour
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 *Wi-Fi connection with Hik-Connect directly is not possible.
Web Browser	IE 8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 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)
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
Image	
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
Wi-Fi	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Protocols	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
Frequency	2.4 GHz - 2.4835 GHz
Channel Bandwidth	20/40 MHz
Security	64/128-bit WEP, WPA-PSK/WPA2-PSK
Transfer Rate	802.11b: 11 Mbps 802.11g: 54 Mbps 802.11n: up to 150 Mbps
Wireless Range	Up to 50 m (The performance varies based on actual environment)
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 Built-in mic, mono sound
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
General	
Firmware Version	V5.5.98
General Function	One-key reset, anti-flicker, 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, 0.4 A, max. 5 W, <20 dBm
Material	Plastic
Dimensions	Camera: Ø121.4 mm × 92.2 mm (Ø4.8" × 3.6") With package: 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Camera: approx. 465 g (1 lb.) With package: approx. 713 g (1.6 lb.)
Approval	
Protection	Ingress protection: IP66 (IEC 60529-2013)
Compression Standard	
H.264+	Main stream supports
H.265+	Main stream supports

▪ Available Model
DS-2CD2121G1-IDW1(2.8/4 mm)

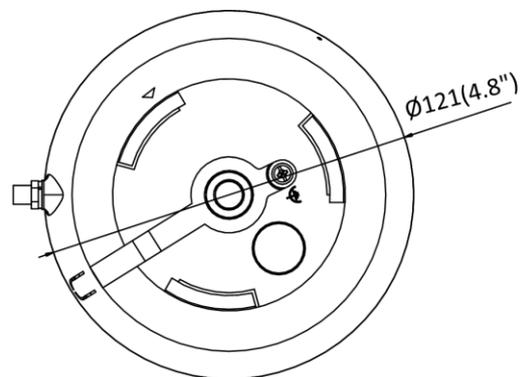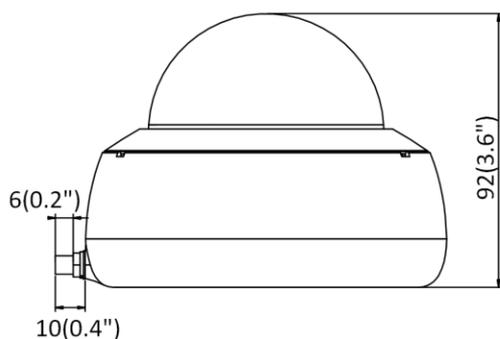### ▪ Typical Application
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

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.

▪ Dimension

6(0.2")
10(0.4")
92(3.6")
Ø121(4.8")

Unit: mm(inch)

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