DS-2CD2141G1-IDW
4 MP IR Fixed Network Dome Camera

- High quality imaging with 4 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	1/3" 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
Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°
Lens	
Aperture	F2.0
FOV	2.8 mm, horizontal FOV: 100°, vertical FOV: 55°, diagonal FOV: 117° 4 mm, horizontal field of view: 75°, vertical FOV: 41°, diagonal FOV: 88°
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	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Video	
Max. Resolution	2560 × 1440
Main Stream	50Hz: 20 fps (2560 × 1440) 25 fps (2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 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

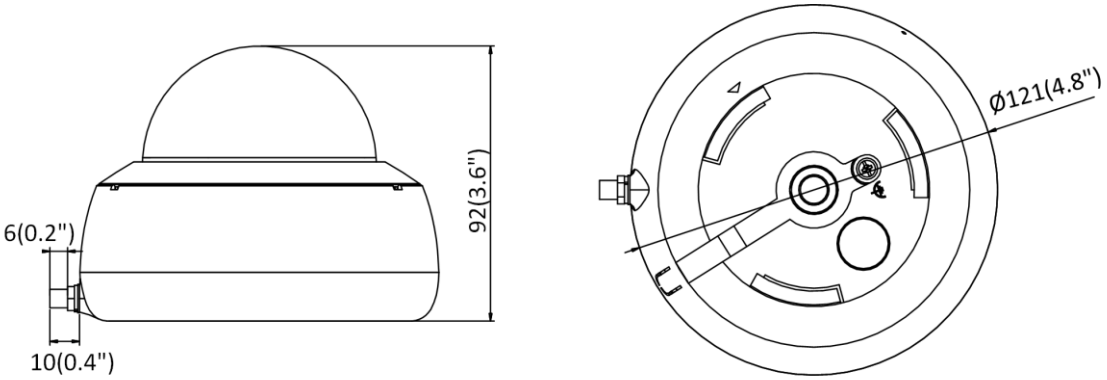
Video Bit Rate	32 Kbps to 8 Mbps
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Smart Feature-Set	
Region of Interest	Support 1 fixed region for main stream and sub-stream
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
Frequency	2.4 GHz - 2.4835 GHz
Protocol	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
Channel Bandwidth	20/40 MHz
Security	64/128-bit WEP, WPA-PSK/WPA2-PSK
Transfer Rate	11b: 11 Mbps 11g: 54 Mbps 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	V5.5.88
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	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. 467 g (1 lb.) With package: approx. 725 g (1.6 lb.)
Interface Protection	IP66 (IEC 60529-2013)
Compression Standard	
H.264+	Main stream supports

H.265+	Main stream supports

▪ Available Model

DS-2CD2141G1-IDW1(2.8/4 mm)

▪ Dimension



Unit: mm(inch)

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