

## DS-2CD51C5G0-IZS

### 12 MP IR VF Dome Network Camera



## smart IPC

- 1/1.7" Progressive Scan CMOS
- 4000 × 3000 @ 20fps, MJPEG up to 1920 × 1080 @ 30fps
- 2.8 to 12 mm motor-driven lens
- Color: 0.008Lux @ (F1.2, AGC ON)
- H.265, H.265+, H.264, H.264+
- Digital WDR
- 3D DNR
- IR range up to 30 m
- Five streams and up to five custom streams
- 6 behavior analyses, 3 exception detection, and face detection
- Built-in microSD/SDHC/SDXC card slot, up to 256 GB
- Alarm I/O, Audio I/O, RS-485
- 12 VDC power output
- IK10



## Specifications

<b>Camera</b>	
Image Sensor	1/1.7" Progressive Scan CMOS
Min. Illumination	Color: 0.008 Lux @ (F1.2, AGC ON) 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	Digital WDR
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
<b>Lens</b>	
Focal length	2.8 to 12 mm
Aperture	F1.2
Focus	Auto, semi-auto, manual
FOV	2.8 to 12 mm, horizontal FOV 101° to 36.1°, vertical FOV 72° to 27.2°, diagonal FOV 130° to 45.2°
Lens Mount	Integrated
<b>IR</b>	
IR Range	Up to 30 m
Wavelength	850 nm
<b>Compression Standard</b>	
Video Compression	Main stream: H.265/H.264/H.265+/H.264+ Sub stream/third stream/fourth stream/fifth stream/custom stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Main stream support
H.265 Type	Main Profile
H.265+	Main stream support
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-160Kbps(MP2L2)
<b>Smart Feature-set</b>	
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Exception Detection	Scene change detection, audio exception detection, defocus detection
Statistics	Counting
Face Detection	Yes
Region of Interest	4 fixed regions for main stream, sub stream, third stream, fourth stream, and fifth stream, and dynamic face tracking
<b>Image</b>	
Max. Resolution	4000 × 3000
Main Stream	50Hz: 20fps(4000 × 3000), 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20fps(4000 × 3000), 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)

Sub Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Third Stream	50Hz: 25fps(1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps(1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fifth Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Custom Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Up to five custom streams are supported
Image Enhancement	BLC, HLC, Defog, EIS,3D DNR, Lens Distortion Correction
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Target Cropping	Yes
SVC	H.264 and H.265 encoding
Day/Night Switch	Auto/Schedule/Day/Night/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
<b>Network</b>	
Network Storage	microSD/SDHC/SDXC card (up to 256 GB), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
Security Measures	Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF
General Function	One-key reset, anti-flicker, five streams, custom streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Client	iVMS-4200, iVMS-5200, Hik-Connect, Hik-Central
Web Browser	IE8+, Mozilla Firefox 30.0+, Google Chrome 31.0+, Safari 8.0+ Plug-in free live view supported
<b>Interface</b>	
Audio	1-ch 3.5 mm input (line in), 1-ch 3.5mm output, mono
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface ( half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Alarm	1-ch input, 1-ch output (up to 12 VDC 1A or 10 VAC 500 mA)
Video Output	1Vp-p composite output (75 Ω/CVBS)
BNC	CVBS analog output (4CIF resolution)
Power Output	12 VDC, max. 200mA (supported by all power supply types)
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Reset Button	Yes
<b>Audio</b>	
Environment Noise Filtering	Yes

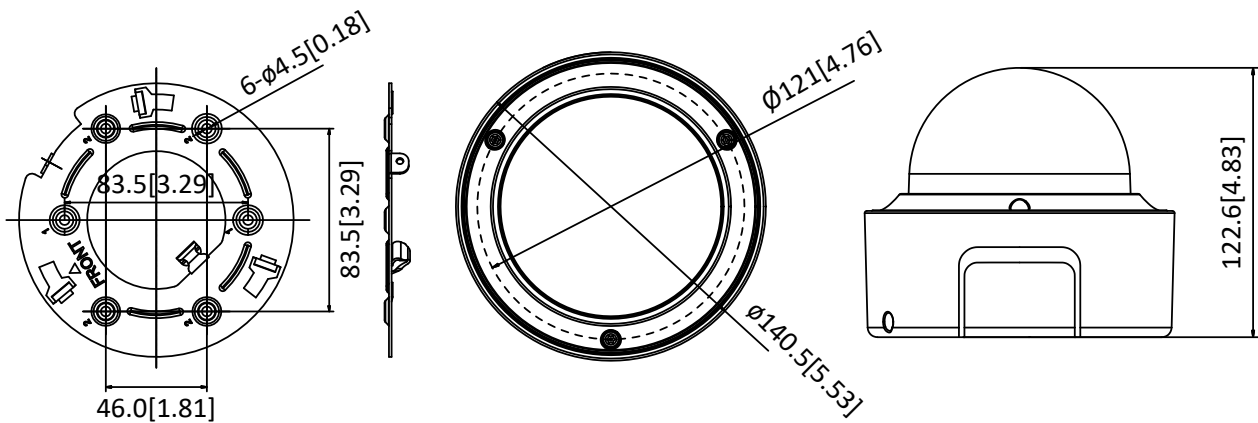
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
<b>General</b>	
Firmware Version	5.5.60
Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	Recommended DC input 12 V, voltage range of 10 to 48 VDC allowed, two-core terminal block PoE (802.3af, class 3)
Power Consumption and Current	With extra load: 12 VDC, 0.8 A, max. 10.5 W; PoE (802.3af, 36 V to 57 V), 0.2 A to 0.3 A, class 3 Without extra load: 12 VDC, 0.6 A, max. 8 W; PoE (802.3af, 36 V to 57 V), 0.2 A to 0.3 A, class 3 "with extra load" means that an extra device is connected to and powered by the camera.
Protection Level	IK10
Material	Aluminum alloy
Dimensions	Camera: $\Phi 140.5 \times 122.6$ mm ( $\Phi 5.5'' \times 4.8''$ ) With package: $244 \times 174 \times 173$ mm ( $9.6'' \times 6.9'' \times 6.8''$ )
Weight	Camera: 900 g (1.98 lb.) With package: 1250 g (2.76 lb.)

Note: Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

## Available Model

DS-2CD51C5G0-IZS (2.8-12mm)

## Dimension



Unit: mm[inch]

## Accessory



DS-1273ZJ-130

Wall Mount



DS-1273ZJ-130B

Wall Mount



DS-1271ZJ-130

Pendent Mount



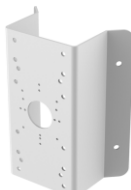
DS-1279ZJ

Pole



1275ZJ-SUS

Vertical Pole Mount



DS-1276ZJ-SUS

Corner Mount



DS-1227ZJ

In-ceiling Mount



DS-1281ZJ-DM23

Inclined Ceiling Mount



DS-1280ZJ-DM21

Junction box

Distributed by



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