

## DS-2CD50C5G0-(AP) 12 MP Smart Network Box Camera



- 1/1.7" Progressive Scan CMOS
- 4000 × 3000 @ 20fps, MJPEG up to 1920 × 1080 @ 30fps
- Color: 0.008 Lux @ (F1.2, AGC ON)
- H.265, H.265+, H.264+, H.264
- Digital WDR
- Auto iris, ABF and P-iris optional
- 6 behavior analyses, 3 exception detections, face detection, and counting
- 5 defined streams and up to 5 custom streams supported
- On-board storage up to 256 GB
- Alarm I/O, Audio I/O, RS-485
- 12 VDC power output



## Specifications

<b>Camera</b>	
Image Sensor	1/1.7" Progressive Scan CMOS
Min. Illumination	Color: 0.008 Lux @ (F1.2, AGC ON) B/W: 0.0008 Lux @ (F1.2, AGC ON) 0 Lux with IR
Shutter Speed	1 s - 1/100,000 s
Slow Shutter	Yes
Auto-iris	DC drive With -P model: P-iris
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	Digital WDR
<b>Lens</b>	
Lens Mount	CS mount
Fosuc	-A: Support ABF
FOV	11 to 40 mm, horizontal FOV 37.8° to 12°, vertical FOV 27.6° to 9.1°, diagonal FOV 48.5° to 15.3°
<b>Compression Standard</b>	
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ 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 supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 8 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)/32-192Kbps(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
Face Detection	Yes
Statistics	Counting
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 5 custom streams are supported
Image Enhancement	BLC, HLC, defog, 3D DNR, EIS
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	Day/Night/Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format
<b>Network</b>	
Network Storage	Support microSD/SDHC/SDXC card (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 and up to 5 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 input (line in), 1 output (line out), mono
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface
Alarm	2 inputs, 2 outputs ( up to 12 VDC 1A or 10 VAC 500 mA)
Video Output	1Vp-p composite output (75 Ω/CVBS)
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; recommended AC input 24 V, voltage range of 15 to 36 VAC allowed; two-core terminal block PoE (802.3af, class 3)

Power Consumption and Current	With extra load: 12 VDC, 0.8 A, max. 10 W; 24 VAC, 0.7 A, max. 10 W; PoE (802.3af, 36 V to 57 V), 0.1 A to 0.3 A, class 3 Without extra load: 12 VDC, 0.6 A, max. 7 W; 24 VAC, 0.55 A, max. 7 W; PoE (802.3af, 36 V to 57 V), 0.1 A to 0.3 A, class 3 "with extra load" means that an extra device is connected to and powered by the camera.
Material	Aluminum alloy
Dimensions	142.6 × 69.8 × 68 mm (5.61" × 2.75" × 2.68") With package: 315 × 140 × 140 mm (12.4" × 5.51" × 5.51")
Weight	Approx. 690 g (1.52 lb.), 975 g (2.15 lb.) with package -AP: Approx. 730 g (1.61 lb.), 1020 g (2.25 lb.) with package

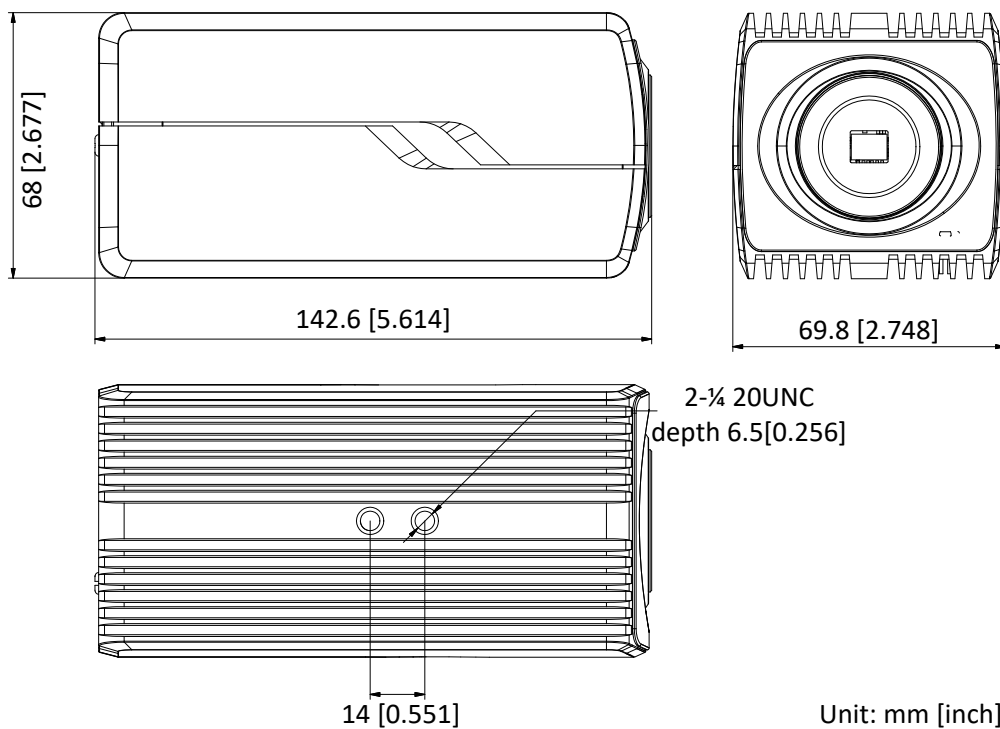
\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

## Available Models:

DS-2CD50C5G0, DS-2CD50C5G0-AP

\*-P: support P-iris; -A: support ABF

## Dimensions



## Accessories



DS-1292ZJ  
Wall Mount



DS-1299ZJ  
Pendant Mount



HV1140P-8MPIR  
11 to 40 mm P-Iris



HV1140D-8MPIR  
11 to 40 mm DC Iris



DS-1331HZ Series  
Outdoor Housing

Distributed by



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