

DS-2CD5085G0-(AP) 8 MP Smart Network Box Camera



smart IPC

- 1/1.8" Progressive Scan CMOS
- 3840 × 2160 @ 30fps
- Color: 0.009 Lux @ (F1.2, AGC ON)
- H.265, H.265+, H.264+, H.264
- 120dB WDR
- Auto iris, P-iris optional
- Auto back focus 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



Specifications

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.009 Lux @ (F1.2, AGC ON)
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	120dB
Focus	With -A model: support ABF (auto back focus)
Lens	
Lens Mount	CS mount
Compression Standard	
Video Compression	Main stream: 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 supports
H.265 Type	Main Profile
H.265+	Main stream supports
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)/32-192Kbps(MP2L2)/32Kbps(PCM)
Smart Feature-set	
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
Image	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 25fps (3840 × 2160, 3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (3840 × 2160, 3200 × 1800, 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
Network	
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, password protection, privacy mask, watermark, IP address filter
API	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, iVMS-5200, Hik-Central
Web Browser	IE8+, Mozilla Firefox 30.0+, Google Chrome 31.0+, Safari 8.0+
Interface	
Audio	1 input (line in), 1 output (line out), mono
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Alarm	2 inputs, 2 outputs (up to 24 VDC, 1A or 110 VAC, 500 mA)
Video Output	1Vp-p composite output (75 Ω/CVBS)
Power Output	12 VDC, max. 200mA
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
BNC	CVBS analog output (4CIF resolution)
Reset Button	Yes
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
General	
Firmware Version	5.5.4
Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 20%, 24 VAC ± 20%, PoE (802.3af, class 3) Terminal block for DC and AC input
Power Consumption and Current	12 VDC ± 20%, 0.6 A, max. 7 W 24 VAC ± 20%, 0.3 A, max. 7 W PoE (802.3af, 36V to 57V), 0.1 A to 0.3 A
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	-AP: approx. 730 g (1.61 lb.), 1020 g (2.25 lb.) with package Non-AP: approx. 690 g (1.52 lb.), 975 g (2.15 lb.) with package

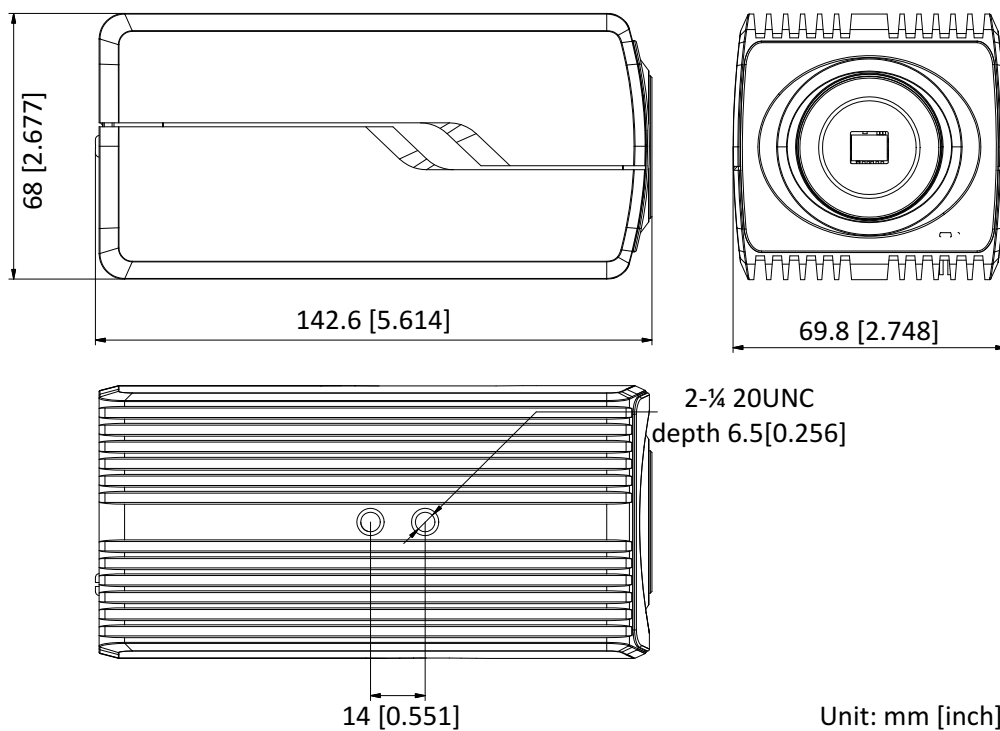
* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

Available Models:

DS-2CD5085G0, DS-2CD5085G0-AP

*-AP: support ABF (auto back focus) and P-iris

Dimensions



Accessories



DS-1292ZJ
Wall Mount



DS-1299ZJ
Pendant Mount



DS-1332HZ
Indoor Housing



DS-1331HZ Series
Outdoor Housing



HV3816D-8MPIR
3.8 to 16 mm DC Iris



HV1140D-8MPIR
11 to 40 mm DC Iris



HV3816P-8MPIR
3.8 to 16 mm P-Iris



HF3417D-12MPIR
3.4 mm DC Iris



HV1140P-8MPIR
11 to 40 mm P-Iris

Distributed by



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