

## DS-2CD5046G0-(AP) 4 MP Smart Network Box Camera

**DarkFighter**



- 1/1.8" Progressive Scan CMOS
- 2560 × 1440 @ 30 fps, MJPEG up to 1920 × 1080 @ 30 fps
- Color: 0.002 Lux @ (F1.2, AGC ON)
- H.265, H.265+, H.264+, H.264
- 140dB 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

<b>Camera</b>	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 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	140 dB
Focus	With -A model: support ABF (auto back focus)
<b>Lens</b>	
Lens Mount	CS mount
<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 support
H.265 Type	Main Profile
H.265+	Main stream support
Video Bit Rate	256 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)/128-768 Kbps (PCM)
<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	Main stream/sub stream/third stream/fourth stream/fifth stream: 4 fixed regions for each stream and dynamic face tracking
<b>Image</b>	
Max. Resolution	2560 × 1440
Main Stream	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (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 24bit 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, 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+ Plug-in free live view supported
<b>Interface</b>	
Audio	1-ch 3.5 mm input (line in), 1-ch 3.5 mm output, mono sound
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 (alarm output supports up to 24 VDC, 1A or 110 VAC, 500 mA)
Video Output	1Vp-p composite output (75 Ω/CVBS)
Power Output	12 VDC, max. 200 mA (supported by 12 VDC, 24 VAC and PoE)
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
BNC	CVBS analog output (4CIF resolution)
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	5.5.50
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

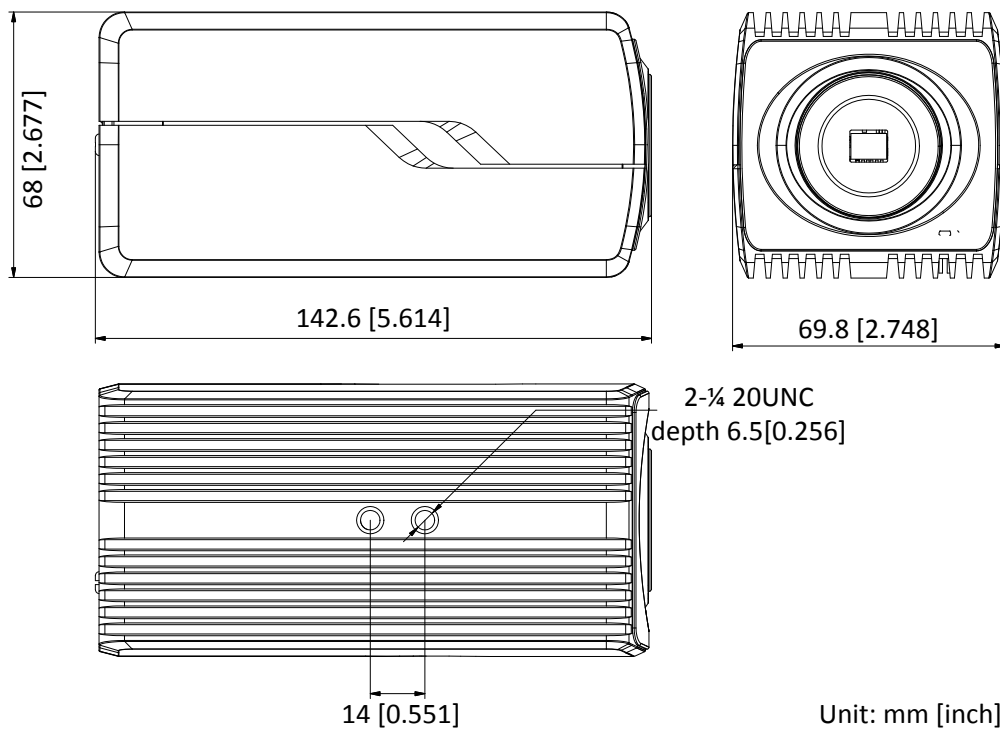
\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

## Available Models:

DS-2CD5046G0, DS-2CD5046G0-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



HV0733D-6MP  
7 to 33 mm DC Iris



HF3417D-12MPIR  
3.4 mm DC Iris



HV0415D-MP  
4 to 15 mm DC Iris



HV1250D-MPIR  
12 to 50 mm DC Iris



HV1140P-8MPIR  
11 to 40 mm P-Iris