HIKVISION®

DS-2CD50C5G0-AP

12 MP Indoor Varifocal Network Box Camera

The Hikvision DS-2CD50C5G0-AP Indoor Varifocal Network Box Camera provides high definition output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

Smart features, such as line crossing, intrusion, scene change detection , region entrance detection, region exiting detection, unattended baggage detection and object removal detection are supported.

- 1/1.7" (12 MP) Progressive Scan CMOS
- 4000 x 3000 Resolution @ 20 fps
- H.265+, H.265, H.264+, H.264
- 5 Defined Streams and 5 Custom Streams
- Digital WDR
- Alarm and Audio Input/Output
- MicroSD Card Slot Supports 256 GB
- 12 VDC and PoE (802.3af)
- 12 VDC Accessory Output

Available models:
DS-2CD50C5G0-AP

Specifications

DS-2CD50C5G0-AP	
Camera	
Image Sensor	1/1.7" Progressive Scan CMOS
Minimum Illumination	Color: 0.008 lux @ (f/1.2, AGC on), B/W: 0.0008 lux @ (f/1.2, AGC on), 0 lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	DC Drive, P-Iris
Day /Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	Digital
Lens	
Lens Mount	CS mount
Focus	ABF supported
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°
Compression Standard	
Video Compression	Main stream: H.265+/H.265/H.264+/H.264; sub stream/third stream/fourth stream/fifth stream/custom stream: H.265+/H.265/H.264+/H.264/MJPEG
H.264 Type	Baseline profile/main profile/high profile
H.264+	Main stream
H.265 Type	Main profile
H.265+	Main stream
Video Bit Rate	32 Kbps to 8 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 to 192 kbps (MP2L2)
Smart Features	
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
Region of Interest	Four fixed regions for main stream, sub stream, third stream, fourth stream, fifth stream, and dynamic face tracking
Image	
Maximum Resolution	4000 × 3000
Main Stream	20 fps (4000 × 3000), 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 x 720)
Sub Stream	30 fps (704 × 480, 640 × 480)
Third Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fifth Stream	30 fps (704 × 480, 640 × 480)
Custom Stream	30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480); up to five 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 Switching	Day/night/auto/schedule/triggered by alarm in
Picture Overlay	Logo picture can be overlaid on video with 128 x 128 24 bit bmp format
Network	
Network Storage	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 filtering, basic and digest authentication for HTTP/HTTPS, WSSE, and digest authentication for ONVIF
General Function	One-key reset, anti-flicker, 5 streams and up to 5 custom streams, heartbeat, mirror, password protection, privacy mask, watermark, and IP address filtering
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. Three user levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 8 to 11, Chrome 41 to 44, Mozilla Firefox 30.0 to 51, Safari 8.0+ Plug-in free live view: Chrome 45+, Mozilla Firefox 52+
Interface	
Audio	1 input (line in), 1 output (line out), mono
Communication Interface	1-port 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	1 Vp-p composite output (75 Ω/CVBS)
Power Output	12 VDC, maximum of 200 mA (supported by all power source types)
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 256 GB
Reset Button	Yes
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
General	
Operating Conditions	-22° F to 140° F (-30° C to 60° C); 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 (802.3at, class 4)
Power Consumption and Current	With extra load: 12 VDC, 0.8 A, maximum 10 W; 24 VAC, 0.7 A, maximum 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, maximum 7 W; 24 VAC, 0.55 A, maximum 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	5.61" x 2.75" x 2.68" (142.6 mm x 69.8 mm x 68 mm)
Weight	1.61 lbs (0.73 kg)

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Rev. 071620NA ▼

Accessories (Not Included)

WBS Indoor/Outdoor Wall Mounting Bracket	PP2 Pendant Mount	CHB Outdoor Housing	CHB-HBW Outdoor Housing with Heater, Blower, Wiper	CHB-HB Outdoor Housing with Heater and Blower

Dimensions

68 [2.677]

142.6 [5.614]

69.8 [2.748]

2-¼ 20UNC depth 6.5[0.256]

14 [0.551]

Unit: mm [inch]

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