HIKVISION®

DS-2CD5046G0
4 MP Indoor Smart Network Box Camera

DarkFighter

The Hikvision DS-2CD5046G0 Indoor Smart Network Box Camera provides high definition output. It supports H.265+ video compression, which assures savings in bandwidth and storage. Darkfighter technology allows for viewing and recording in ultra low-light conditions.

With a WDR of 140 dB and Lightfighter technology, it provides superb image quality.

The camera can be equipped with up to eight different Hikvision lens options, which are installed on a standard CS mount.

Smart features, such as line crossing, intrusion, and scene change detection are also supported.

LightFighter

- 1/1.8" (4 MP) Progressive Scan CMOS
- 2560 x 1440 Resolution @ 30 fps
- CS Lens Mount Options
- Ultra-Low Light, 0.002 Lux (with f/1.2 Lens), Darkfighter Technology
- H.265+, H.265, H.264+, H.264
- 5 Defined Streams and 5 Custom Streams
- 140dB WDR, Lightfighter Technology
- 12 VDC Accessory Output
- MicroSD Card Slot Supports 256 GB
- 12 VDC and PoE (802.3af)

Available models:
DS-2CD5046G0

H.265+ | smart | WDR | 3D DNR

cULus | CE | FC | SA | ONVIF

Specifications

	DS-2CD5046G0
Camera	
Image Sensor	1/1.8" (4 MP) progressive scan CMOS
Minimmum Illumination	Color: 0.002 lux @ (f/1.2, AGC on); B/W: 0.0002 lux @ (f/1.2, AGC on)
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
Auto-iris	DC drive
Day/Night	IR cut filter
Digital Noise Reduction	3D DNR
WDR	140 dB
Lens	
Lens Mount	CS Mount
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 supported
H.265 Type	Main profile
H.265+	Main stream supported
Video Bit Rate	256 Kbps to 16 Mbps
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	Four fixed regions for main stream, sub stream, third stream, fourth stream, and fifth stream, and dynamic face tracking
Image	
Maximum Resolution	2560 x 1440
Main Stream	30 fps (2560 × 1440, 1920 × 1080, 1280 × 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 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 a 128 × 128 24-bit bmp format
Network	
Network Storage	Supports 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, Hik-Central
Web Browser	IE8+, Mozilla Firefox 30.0+, Google Chrome 31.0+, Safari 8.0+
Interface	
Communication Interface	One-port RJ45 10M/100M/1000M Ethernet port; One RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Alarm	Two inputs; two outputs (alarm output supports up to 24 VDC, 1 A or 110 VAC, 500 mA)
Video Output	One Vp-p composite output (75 Ω/CVBS)
Power Output	12 VDC, max. 200 mA
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
BNC	CVBS analog output (4CIF resolution)
Reset Button	Yes
General	
Operating Conditions	-22° F to 140° F (-30° C to 60° C), humidity: 95% or less (non-condensation)
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, maximum 7 W; 24 VAC ± 20%, 0.3 A, maximum 7 W; PoE (802.3af, 36 V to 57 V), 0.1 A to 0.3 A
Material	Aluminum allow
Dimensions	5.61" × 2.75" × 2.68" (142.6 mm × 69.8 mm × 68 mm)
Weight	Approximately 1.52 lbs (690 g)

Accessories

HV3816D-8MPIR	HV1140D-8MPIR	HV3816P-8MPIR	HV0733D-6MP	HF3417D-12MPIR	HV0415D-MP
Manual Focusing 8 MP IR Lens	Manual Focusing 8 MP IR Lens	Manual Focusing 8 MP IR Lens	Manual Focusing 6 MP Lens	Manual Focusing 12 MP IR Lens	Vari-Focal Auto Iris DC Drive 3 MP Lens

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Rev. 060418NA

HV1250D-MPIR Manual Focusing 3 MP IR Lens	**HV1140P-8MPIR** Manual Focusing 8 MP IR Lens	**DS-1331HZ** Indoor Box Camera Housing	**DS-1332HZ** Outdoor Box Camera Housing	**PP2** Pendant Mount	**WBS** Box Camera Wall Mounting Bracket

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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