HIKVISION®

DS-2CD7046G0-AP
4 MP Indoor Network Box Camera

DarkFighter™

LightFighter®

DeepinView series

- 1/1.8" (4 MP) Progressive Scan CMOS
- Up to 2560 x 1440 Resolution @ 30 fps
- Human, Vehicle, and Face Detection
- Auto-Iris, DC Drive, P-Iris Lens Support
- 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
- Alarm Input/Output
- 12 VDC Accessory Output
- MicroSD Card Slot Supports 256 GB
- 12 VDC and PoE (802.3af)

The Hikvision DS-2CD7046G0-AP Indoor 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.

Advanced DeepinView features include human, vehicle, and face detection, and the ability to differentiate between specific target types.

Available models:
DS-2CD7046G0-AP

H.265+ | smart | WDR | ABF | P Iris

Specifications

DS-2CD7046G0-AP	
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	1s to 1/100,000 s
Slow Shutter	Yes
Auto-iris	P-iris
Day/Night	IR cut filter
Digital Noise Reduction	3D DNR
WDR	140 dB
Focus	ABF (auto back focus) supported
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	32 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 to 192 kbps (MP2L2)
Smart-Feature Set	
Human and Vehicle Detection	Line crossing, intrusion, region entrance, and region exiting. Supports alarm triggering by specified target types (human and vehicle). Filters out mistaken alarms caused by target types, such as leaves, lights, animals, flags, etc.
Event Detection	Unattended baggage detection, object removal detection, scene change detection, defocus detection, audio exception detection
Face Detection and Capture	Face detection performance: detects up to 30 faces at the same time. Detectable face position: supports left and right swing from -65° to 65°,tilting up and down from -45° to 45°
Statistics	Counting
Region of Interest	Main stream/sub stream/third stream/fourth stream/fifth stream: four fixed regions and dynamic face tracking for each stream
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)
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, NAS (NFS,SMB/CIFS), and 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	Plug-in required for live view: IE 8-11, Chrome 41-44, Mozilla Firefox 30.0-51, Safari 8.0+ Plug-in free live view: Chrome 45+, Mozilla Firefox 52+
Interface	
Audio	One input (line in), one output, mono
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, maximum 200 mA
On-board storage	Built-in micro SD/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-condensation)
Power Supply	12 VDC ± 20%, 24 VAC± 20%, two-core terminal block; PoE (802.3af, class 4)
Power Consumption and Current	12 VDC, 0.8 A, maximum 9 W; 24 VAC, 0.75 A, maximum 9 W; PoE (802.3af, 36 V to 57 V), 0.1 A to 0.3 A, class 3
Material	Aluminum alloy
Dimensions	5.61" × 2.75" × 2.68" (142.6 mm × 69.8 mm × 68 mm)
Weight	Approximately 1.65 lbs (750 g)

HIKVISION

Rev. 032519NA

Accessories

CHB	PP2	WBS
Indoor Box Camera Housing	Pendant Mount	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]