DS-2CD2046G2H-I(2.8mm)

Hikvision DS-2CD2046G2H-I 4 MP Powered by Darkfighter Fixed Mini Bullet Network Camera with 2.8mm lens

Product Overview

Hikvision DS-2CD2046G2H-I 4 MP Powered by Darkfighter Fixed Mini Bullet Network Camera with 2.8mm lens, 1/3" Progressive Scan CMOS; H.265+/ H.265/ H.264+/ H.264/ MJPEG; Color: 0.001 lux @(F1.0, AGC ON), 0 lux with LED on; 25fps/30fps(2688x1520, 2304x1296, 1920x1080); VCA functions; 3 streams; 3D DNR; BLC; ICR; IR LED; DC12V&PoE; Built-in micro SD/SDHC/SDXC slot



Specifications

Features:

- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Built-in microphone for real-time auto security(-U)
- Water and dust resistant (IP67)

Specifications:

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Specifications	
Product Code	DS-2CD2046G2H-I(2.8mm)
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2688 x 1520
Min. Illumination	Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light

Shutter Time	1/3 s to 1/100, 000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0 degrees to 360 degrees, tilt: 0 degrees to 90 degrees, rotate: 0 degrees to 360 degrees
Lens	
Lens Type	Fixed focal lens, 2.8 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 100.2 degrees, vertical FOV 54.7 degrees, diagonal FOV 119.7 degrees
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 1.9 m to ?
DORI	
DORI	2.8mm: D: 63 m, O: 25 m, R: 12 m, I: 6 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 40 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720)
	60 Hz: 30 fps (2688 x 1520, 1920 x 1080, 1280 x 720)
Sub-Stream	50 Hz: 25 fps (1280 x 720, 640 x 480, 640 x 360)
	60 Hz: 30 fps (1280 x 720, 640 x 480, 640 x 360)
Third Stream	50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)
	60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)
	*Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.265+/H.264+
	Sub-stream: H.265/H.264/MJPEG
	Third stream: H.265/H.264
	*Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Network	

Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
	Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11
	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+
	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	120 dB
SNR	>= 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	Scene change detection
Linkage	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)

General	
Power	12 VDC +/- 25%, 0.45 A, max. 5.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection
	PoE: IEEE 802.3af, Class 3, max. 7 W
Material	Front cover: Metal, body: Metal, bracket: Metal
Dimension	Ø74.4 mm x 179.2 mm (Ø2.9" x 7.1")
Package Dimension	234 mm x 120 mm x 117 mm (9.2" x 4.7" x 4.6")
Weight	Approx. 525 g (1.2 lb.)
With Package Weight	Approx. 750 g (1.7 lb.)
Storage Conditions	-30 degreesC to 60 degreesC (-22 degreesF to 140 degreesF). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 degreesC to 60 degreesC (-22 degreesF to 140 degreesF). Humidity 95% or less (non-condensing)
Language	33 languages
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021
Safety	UL: UL 62368-1
	CB: IEC 62368-1: 2014+A11
	CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU
Protection	IP67: IEC 60529-2013

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx.co.za/DS-2CD2046G2H-I-2-8mm-Hikvision-DS-2CD2046G2H-I-4-MP-Powered-by-Darkfighter-Fixed-p-301038.php

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