

DS-2CD2085G1-I 8 MP IR Fixed Bullet Network Camera



Key Features

- Up to 8 megapixel high resolution
- Max. 3840 × 2160 @20fps
- 2.8 mm/4 mm/6 mm fixed lens, optional
- H.265, H.265+, H.264+, H.264
- 120dB WDR
- Powered by Darkfighter
- 12 VDC & PoE (802.3af, class 3)
- IR range: Up to 30 m
- Support on-board storage, up to 128 GB
- IP67, IK10
- BLC/3D DNR/ROI/HLC
- Color: 0.008 Lux @ (F1.2, AGC ON), 0.014 Lux @ (F1.6, AGC ON)



Specification

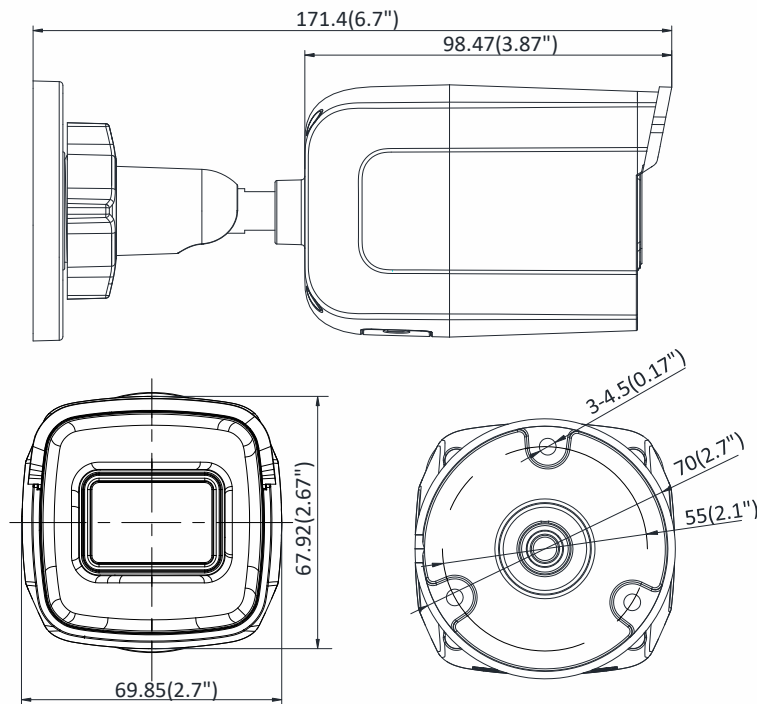
Camera	
Image Sensor	1/2" Progressive Scan CMOS
Min. Illumination	Color: 0.008 Lux @ (F1.2, AGC ON), 0.014 Lux @ (F1.6, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Focal length	2.8/4/6 mm
Focus	Fixed
Lens	2.8 mm, horizontal FOV: 102°, vertical FOV: 55°, diagonal FOV: 120° 4 mm, horizontal FOV: 78°, vertical FOV: 43°, diagonal FOV: 92° 6 mm, horizontal FOV: 50°, vertical FOV: 27°, diagonal FOV: 59°
Lens Mount	M16
Aperture	F1.6
Day & Night	IR cut filter
DNR	3D DNR
Wide Dynamic Range	120dB
3-Axis Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 16 Mbps
Image	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 20 fps (3840 × 2160), 25 fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR/HLC
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser
ROI (Region of Interest)	Support 1 fixed region for main stream and sub-stream separately
Day/Night Switch	Day/Night/Auto/Schedule
*Note: When the main stream resolution is 3840 × 2160, max frame rate is 20 fps for all streams.	
Network	
Network Storage	Support micro SD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
General Function	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening

API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Smart Feature-set	
Smart Event	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email
General	
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)
Web Client Language	32 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)
Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption	12 VDC, 0.5 A, max: 6 W PoE: (802.3af, 36 VDC to 57 VDC), 0.3 A to 0.2 A, max: 7.5 W
IR Range	Up to 30 m
Wavelength	850 nm
Protection Level	IP67, IK10
Material	Front cover: metal, back cover: metal, sun shield: plastic
Dimensions	Camera: 70 × 68 × 171 mm (2.8" × 2.7" × 6.7")
Weight	Camera: 400 g (0.9 lb.) With package: 700 g (1.5 lb.)

Available Model

DS-2CD2085G1-I (2.8/4/6 mm)

Dimension



Unit: mm(inch)

Accessory



**DS-1280ZJ-XS
Junction Box**



**DS-1280ZJ-XS(Black)
Junction Box**

Distributed by



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