

## DS-2CD2085G1-I

### 8 MP Outdoor IR Fixed Network Bullet Camera

Powered by  
**DarkFighter™**



The Hikvision DS-2CD2085G1-I Outdoor IR Fixed Network Bullet Camera provides high definition output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

The camera is equipped with 2.8 mm, 4 mm, and 6 mm lens options, and offers an EXIR 2.0 range of up to 165 ft (50 m).

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

- **1/2" (8 MP) Progressive Scan CMOS**
- **Up to 3840 x 2160 Resolution @ 20 fps**
- **Minimum Illumination:**  
Color: 0.016 lux @ (f/1.6, AGC on),  
0 lux with IR
- **Darkfighter Technology**
- **Up to 100 ft (30 m) EXIR 2.0 Range**
- **2.8 mm, 4 mm, and 6 mm Lens Options**
- **H.265+, H.265, H.264+, H.264**
- **120dB True WDR**
- **MicroSD Card Slot Supports 128 GB**
- **IP67, IK10 Protection**
- **12 VDC and PoE (802.3af)**

**Available models:**  
DS-2CD2085G1-I



# Specifications

DS-2CD208561-I

## Camera

Image Sensor	1/2" progressive scan CMOS
Minimum Illumination	Color: 0.016 lux @ (f/1.6, AGC on), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Focal length	2.8 mm, 4 mm, 6 mm
Focus	Fixed
FOV	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	M12
Iris	f/1.6
Day/Night	IR cut filter
DNR	3D DNR
Wide Dynamic Range	120dB
3-Axis Adjustment (bracket)	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°

## Compression Standard

Video Compression	Main stream: H.265+/H.265/H.264+/H.264; sub stream: H.265+/H.265/H.264+/H.264/MJPEG; third stream: H.265+/H.265/H.264+/H.264
H.264 Type	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

## Image

Maximum Resolution	3840 × 2160
Main Stream	20 fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	30 fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
Region of Interest (ROI)	Supports one fixed region for main and sub streams
Day/Night Switch	Day/night/auto/schedule

## Network

Network Storage	Supports microSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), ISAPI
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to six channels
User/Host	Up to 32 users, three levels: administrator, operator, and user
Client	iVMS-4200, Hik-Connect
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+

## Interface

Communication Interface	1-port RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
SVC	H.265 and H.264 encoding support

## Smart Features

Behavior Analysis	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection
Exception Detection	Scene change detection
Face Detection	Yes

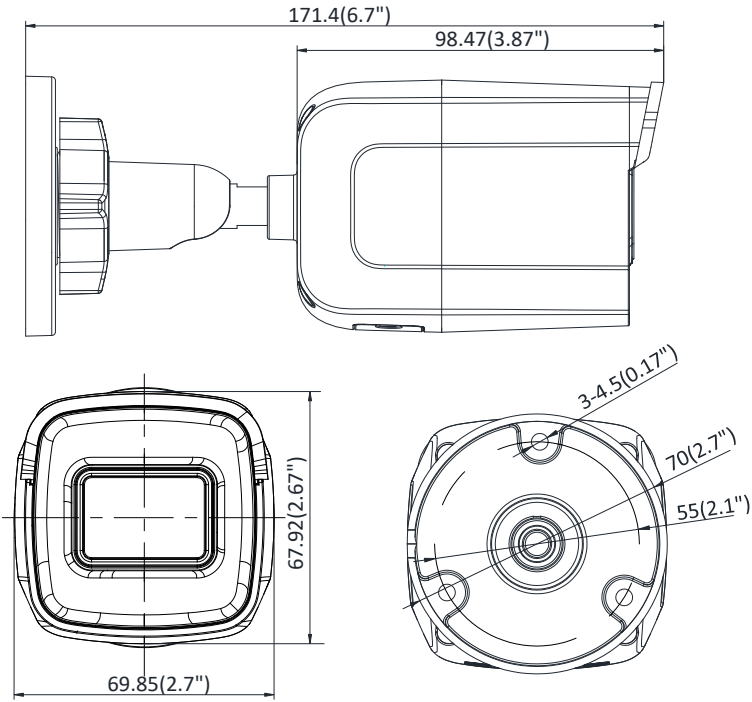
## General

Operating Conditions	-22° F to 140° F (-30° C to 60° C), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, PoE (802.3af, class 3), 5.5 mm coaxial power plug
Power Consumption	12 VDC, 0.5 A, maximum: 6 W, PoE: (802.3af, 36 VDC to 57 VDC), 0.3 A to 0.2 A, maximum: 7.5 W
IR Range	Up to 100 ft (30 m)
Wavelength	850 nm
Protection Level	IP67, IK10
Dimensions	2.8" × 2.7" × 6.7" (70 mm × 68 mm × 171)
Weight	1.50 lbs (0.70 kg)

# Accessories



# Dimensions



Unit: mm (inch)