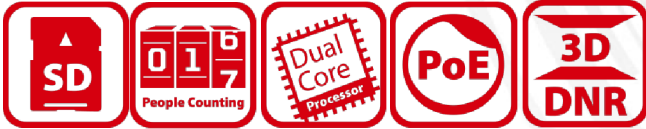# HIKVISION®

iDS-2CD6810F/C
Dual-Lens People Counting Camera

smart IPC

- 1/3" Progressive Scan CMOS
- Max. resolution 640 × 960
- 2 mm lens
- 3D digital noise reduction
- DC 12V/PoE

- Dual lens, dual CPU, support stereo views
- Specialized people counting function, support separate counting of people entering, exiting, and passing by
- Flash memory storing people counting data

Function Description

Smart

- People counting: support separate counting of people entering, exiting, and passing by
- Smart encoding: Support low bit rate, low latency, ROI enhance encoding

Image

- Max. 640 ×960 @25fps
- Black and white
- Streaming smoothness setting for different requirements of image quality and fluency
- Support H.264 video compression, multi-level video quality configuration; support Baseline Profile/Main Profile H.264 encoding complexity.
- Multiple OSD color: Black & white self-adaptive; Custom

System

- Support ONVIF (profile S/profile G), CGI, PSIA, ISAPI protocol
- Support two video streams, and Support 6 channels live view at the same time
- Lightening protection, surge protection, voltage transient protection, anti-static protection

Interface

- Support standard 128G Micro SD/SDHC/SDXC card storage
- Support RJ45 10M/100M self-adaptive Ethernet port
- Support RS-485 interface
- Support Alarm I/O

Security

- Support three-level user authentication management, user and password authorization
- Support security certificate as HTTPS
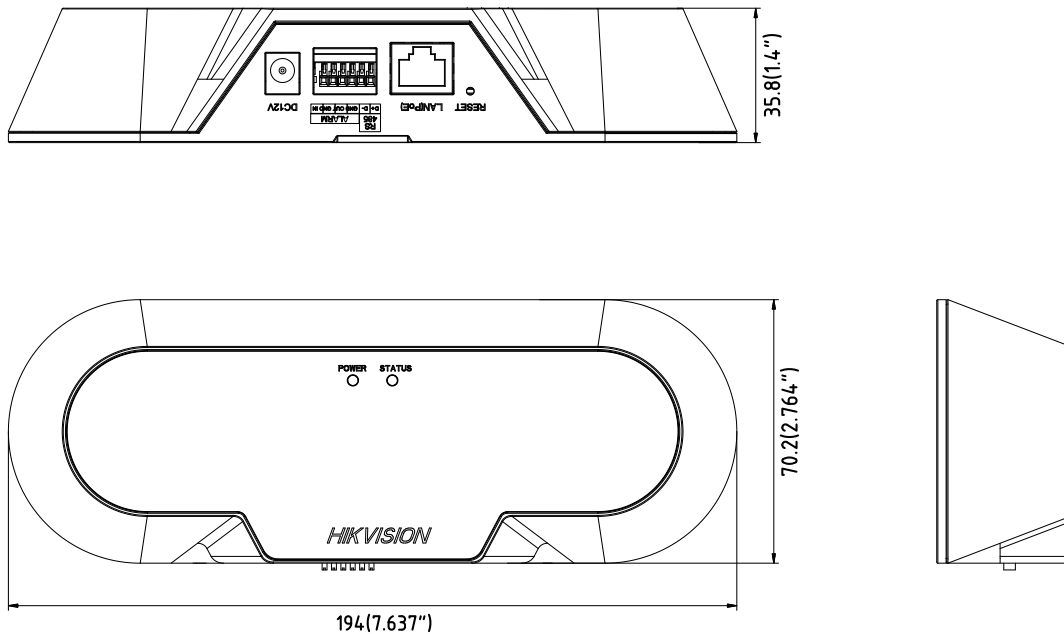- Lock user IP after certain times failed login attempts

Specifications

Camera	
Image Sensor	1/3'' Progressive Scan CMOS
Shutter Speed	1/25 s – 1/10,000 s
Lens	2.0 mm, horizontal field of view: 100° 2.8 mm, horizontal field of view: 82°
Lens Mount	M12
Iris	Manual
Digital Noise Reduction	3D DNR

Compression Standard	
Video Compression	Main stream: H.264 Sub stream: H.264
H.264 Type	Baseline Profile/Main Profile
Video Bit Rate	32 Kbps to 8 Mbps

Image	
Max. Resolution	640 × 960
Main Stream Max. Frame Rate	50Hz: 25fps (640 × 480) 60Hz: 24fps (640 × 480)
Sub Stream Max. Frame Rate	50Hz: 25fps (640 × 960) 60Hz: 24fps (640 × 960)
Image Setting	Brightness is adjustable by client software or web browser
Region of Interest	Support 1 fixed region for each stream

Network	
Network Storage	Support micro SD/SDHC/SDXC card (128G), flash memory , ANR
Alarm Trigger	Video tampering, alarm input, alarm output, 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
General Function	One-key reset, anti-flicker, heartbeat, password protection, privacy mask, watermark
Standard	ONVIF(PROFILE S,PROFILE G),PSIA, CGI, ISAPI

Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port, 1 RS-485 interface
Alarm	1 input, 1 output (up to DC 24 V, 1A or AC 110 V, 500mA)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes

People Counting	
Statistics	Support separate counting of people entering, exiting, and passing by
Report	Daily, weekly, monthly, and annually report supported

General	
Operating Conditions	-10 ℃ to + 40 ℃ (+14 ℉ to +104 ℉), Humidity 10% to 90%, no condensing
Power Supply	DC 12 ± 25%, PoE (802.3af, class 3)
Power Consumption	Max. 7 W
Material	Base: metal; cover: plastic
Dimensions	Camera: 194 × 70.2 × 35.8 mm (7.64" × 2.76" × 1.4")

Weight	271 g (0.6 lb)

Order Models

iDS-2CD6810F/C (2.0 mm), iDS-2CD6810F/C (2.8 mm)

Dimensions

Unit: mm

Installation Recommendation

Following table shows the relations among focal length, mounting height, and max. detection width of typical values. For detailed installation advice, please contact the technical surport of HIKVISION.

Focal Length (mm)	Mounting Height (m)	Max. Detection Width (m)
2.0	2.5	1.8
2.0	3.0	2.9
2.0	3.5	4.0
2.8	3.0	2.2
2.8	3.5	3.1
2.8	4.0	4.0

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