iDS-2CD6810F/C

Indoor Dual-Lens People Counting Camera

Hikvision's iDS-2CD6810F/C is a specialized people counting camera that supports the separate counting of people entering, exiting, and passing by a given area.

The camera combines various crucial and advanced technologies, including binocular stereo vision, 3D people detection and tracking, and height filtering, in order to guarantee high accuracy.

Available models:
iDS-2CD6810F/C (2 mm)
iDS-2CD6810F/C (2.8 mm)
iDS-2CD6810F/C (4 mm)

- 1/3" Progressive Scan CMOS
- Up to 640 x 960 Resolution
- Dual Lens, Dual CPU, Supports Stereo Views
- 2 mm, 2.8 mm, or 4 mm Lens
- H.264
- 3D Digital Noise Reduction
- Flash Memory Storage for People Counting Data
- 12 VDC, (802.3af, class 3), 7 W

Specifications

iDS-2CD6810F/C	
Camera	
Image Sensor	1/3" progressive scan CMOS
Shutter Speed	1/25 s to 1/10,000 s
Auto-Iris	Manual
Digital Noise Reduction	3D DNR
Lens	
Focal Length	2 mm, 2.8 mm, 4 mm options
Aperture	2 mm: ƒ/2.2; 2.8 mm: ƒ/2.0; 4 mm: ƒ/2.2
FOV	2 mm: horizontal FOV 105°, vertical FOV 89°; 2.8 mm: horizontal FOV 83°, vertical FOV 68°; 4 mm: horizontal FOV 63°, vertical FOV 55°
Lens Mount	M12
Compression Standard	
Video Compression	Main stream: H.264; sub stream: H.264
H.264 Type	Baseline profile/main profile
Vide Bit Rate	32 Kbps to 8 Mbps
People Counting	
Statistics	Supports separate counting of people entering, exiting, and passing by
Data Uploading	Supports real-time uploading and uploading by statistic cycle
Email Report	Daily, weekly, monthly, and annual reporting supported
Height Filter	Supported
Image	
Maximum Resolution	640 × 960
Main Stream (Maximum Frame Rate)	50 Hz: 25 fps (640 × 480); 60 Hz: 24 fps (640 × 480)
Sub Stream (Maximum Frame Rate)	50 Hz: 25 fps (640 × 960); 60 Hz: 24 fps (640 × 960)
Image Enhancement	3D DNR
Image Setting	Brightness and sharpness are adjustable by client software or Web browser
Network	
Alarm Trigger	Video tampering, alarm input, alarm output, network disconnected, IP address conflict, illegal login
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, anti-flicker, heartbeat, password protection, watermark
API	ISAPI, HTTP
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users; 3 levels: administrator, operator, and user
Client	iVMS-4200
Web Browser	IE 8+, Chrome 31—44, Firefox 30.0—51
Interface	
Communication Interface	1 RJ-45 10M/100M Ethernet port; 1 RS-485 interface
Alarm	1 input, 1 output (maximum 12 VDC, 30 mA)
Reset Button	Supported
General	
Operating Conditions	14° to 104° F (-10° to 40° C), humidity 95% or less (non-condensing)
Power Supply	12 VDC ±25%, 5.5 mm coaxial power plug; PoE (802.3af, class 3)
Power Consumption	12 VDC, maximum 5 W, 0.42 A; PoE (802.3af 36 to 57 V), maximum 7 W, 0.2 A to 0.13 A
Material	Base: metal; cover: plastic
Dimensions	Camera: 7.64" x 2.76" x 1.4" (194 mm x 70.2 mm x 35.8 mm); package: 8.86" x 4.92" x 2.99" (225 mm x 125 mm x 76 mm)
Weight	Approximately 0.66 lbs (300 g), 1.06 lbs (480 g) with package

Dimensions
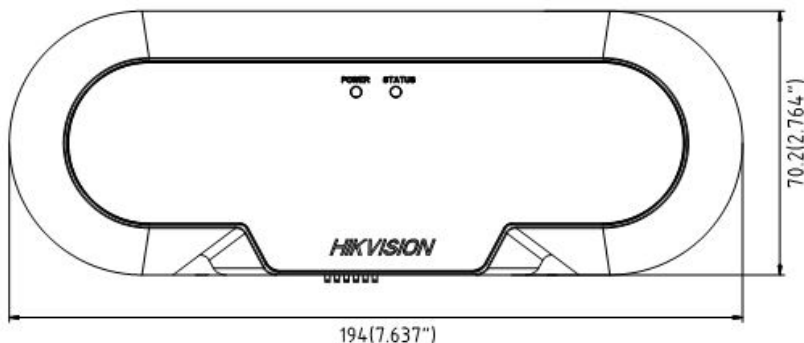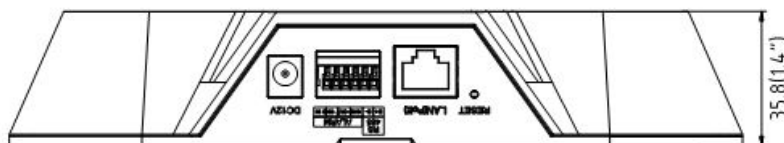
Unit: mm

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Installation Recommendation

The following table shows the relations among focal length, mounting height, and maximum detection span of typical values. For detailed installation advice, please contact Hikvision technical support.

Focal Length (mm)	Mounting Height (m)	Max. Detection Span (m)
2.0	2.5	1.8
2.0	3.0	2.9
2.0	3.5	4.0
2.0	4.0	5.2
2.8	3.0	2.2
2.8	3.5	3.1
2.8	4.0	4.0
2.8	4.5	4.8
2.8	4.7	5.2
4.0	4.0	2.8
4.0	4.5	3.4
4.0	5.0	4.0
4.0	5.5	4.6
4.0	6.0	5.2

NOTE: Mounting height of 2.0 mm lens camera should be no higher than 4 meters. Mounting height of 2.8 mm lens camera should be no heigher than 4.8 meters.

Accessories (Not Included)

WM6810 Wall Mount	**CM6810** In-Ceiling Mount

Box Contents (Subject to Change without Notice)

Camera Bracket
Drill Template
Quick Start Guide
Screws

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