HIKVISION

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

smart IPC

iDS-2CD6810F/C is a specialized people counting camera, supporting separate counting of people entering, exiting, and passing by.

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

- 1/3" Progressive Scan CMOS
- Dual lens, dual CPU, support stereo views
- 2 mm/2.8 mm/4 mm lens, optional
- Max. resolution 640 × 960
- H.264
- Flash memory storing people counting data
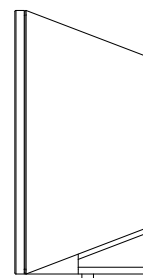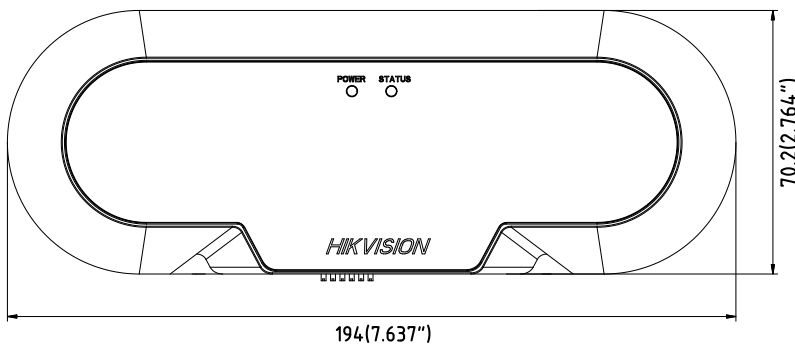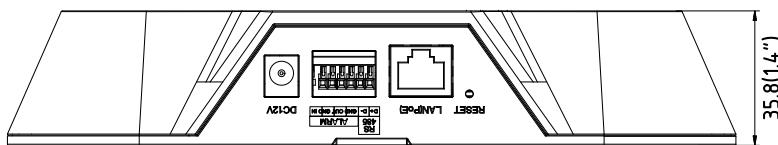- 3D digital noise reduction
- 12 VDC/PoE

Specifications

Camera	
Image Sensor	1/3'' Progressive Scan CMOS
Shutter Speed	1/25 s – 1/10,000 s
Auto-iris	Manual
Digital Noise Reduction	3D DNR
Lens	
Focal length	2 mm, 2.8 mm, 4 mm, optional
Aperture	2 mm: F2.2 2.8 mm: F2.0 4 mm: F2.2
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
Video Bit Rate	32 Kbps to 8 Mbps
People Counting	
Statistics	Support separate counting of people entering, exiting, and passing by
Data Uploading	Support real-time uploading and uploading by statistic cycle
Email Report	Daily, weekly, monthly, and annual report supported
Height Filter	Support
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 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, 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	IE8+, Chrome31-44, Firefox 30.0 - 51
Interface	

Communication Interface	1 RJ45 10M/100M Ethernet port 1 RS-485 interface
Alarm	1 input, 1 output (up to 12 VDC, 30 mA)
Reset Button	Yes
General	
Operating Conditions	-10 °C to +40 °C (+14 °F to +104 °F), humidity 95% or less, no condensing
Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, max. 5 W, 0.42 A PoE(802.3af 36 V to 57 V) , max. 7 W, 0.2 A to 0.13 A
Material	Base: metal; cover: plastic
Dimensions	Camera: 194 × 70.2 × 35.8 mm (7.64" × 2.76" × 1.4") Package: 225 × 125 × 76 mm (8.86" × 4.92" × 2.99")
Weight	Approx. 300 g (0.66 lb), 480 g (1.06 lb) with package

Available Models:

iDS-2CD6810F/C (2.0 mm), iDS-2CD6810F/C (2.8 mm), iDS-2CD6810F/C (4 mm)

Dimensions

35.8(1.4")

70.2(2.764")

194(7.637")

Unit: mm

Accessories
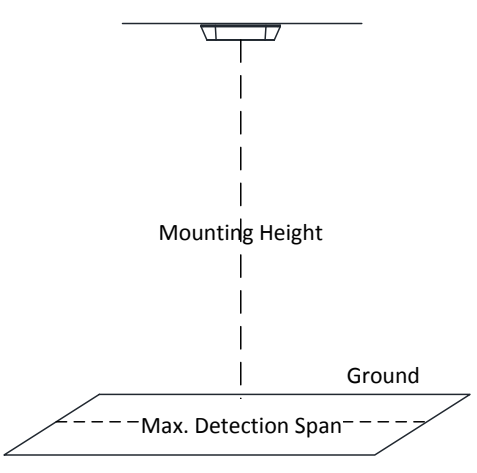
DS-2102ZJ

Wall mount

DS-1227ZJ-P1

In-ceiling mount

DS-1299ZJ

Pendant mount

Installation Recommendation

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

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 higher than 4.8 meters.

Mounting Height

Ground

Max. Detection Span

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