

FD1104FR

Facial Recognition Dome Camera, 8-32 mm motorized lens, 4MP, H.265/H.264

DESCRIPTION

The FD1104FR is a 4-megapixel IP fixed dome camera for indoor use, providing facial capturing and recognition. A target face can be taken through detecting, tracking, capturing and selecting. The long-range 8 to 32 mm motorized auto focus lens allows for easy setup and ensures sharp and clear images.

FEATURES

1/1.8 ultra-low light CMOS imager

4MP @ 25/30 fps (2560x1440)

Motorized zoom (8 - 32 mm)

140 dB WDR

Built-in IR illuminator (30 m)

Facial Recognition

Multi-codec multi-stream: H.265,
H.264, MJPEG

IK10

ONVIF Profile S, G and T



Description

Facial recognition

The camera features an extensive facial recognition processing by Deep Learning Algorithm. By latest technology, FD1104FR learns the subtle characteristics from photos and matches the faces from live video instantly. It is suitable for restricted area and building security.

Image enhancement

The FD1104FR features a set of tools to enhance the image quality, such as smart IR, Back light Compensation and 3D noise reduction.

Multi-encoder & multi-streaming

The camera can support dual streaming of H.265, H.264 or MJPEG. Multiple combinations of resolution, frame rate, and encoding can be configured to satisfy different live viewing and recording scenarios.

High Efficiency Video Coding (HEVC)

H.265 or HEVC is a video compression standard, the successor of H.264. In comparison H.265 offers about double the compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate. Thus saving bandwidth and recording space.

ONVIF

Multiple options are available to easily integrate the FD1104FR to a video management system. In support of open standards, the FD1104FR is compliant with ONVIF (Profile S / Profile G/ Profile T).

Camera	
Image sensor	1/1.8" Ultra-low light CMOS
Lens	Motorized 8 to 32 mm, F/1.8
Focus	Autofocus
Horizontal field of view	15.2° to 37.7°
Minimum illumination	0.0045 lux color, 0 lux with IR (F/1.8)
Day/Night	IR-cut filter with auto switch
IR distance	Up to 30 m
IR illuminator wavelength	850 nm
Wide dynamic range (WDR)	140 dB
Shutter speed	1 s to 1/100,000 s
Slow shutter	Supported
Video	
Video compression	H.265 MP, H.264 MP/HP, MJPEG
Video Output	32 Kbps 16 Mbps
Region of interest	1 region per stream
Max. resolution	2560x1440 at 30 fps (640x360 for MJPEG)
Frame rate	25/30 fps
Number of simultaneous streams	3
- Main stream	2560x1440@25/30fps; 1920x1080@25/30fps; 1280x720@25/30fps
- Sub stream	704x576@25/30fps; 640x480@25/30fps
- Third Stream	1920x1280@25/30fps; 1280x720@25/30fps; 704x480@30fps; 640x480@25fps
Image enhancement	3D DNR
Image setting	Rotate mode, saturation, brightness, contrast, sharpness
Day/Night switch	Auto/Scheduled/Triggered by Alarm In
Privacy mask	Yes
Video output	1 Vp-p; 2-pin to BNC patch cable (For test/installation only)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SNMP, IGMP, 802.1x, QoS, IPv4/v6, Bonjour, ONVIF, CGI
Security	3-level user authentication, 802.1x, Watermark, IP address filtering
API	ONVIF (Profile S, Profile G, Profile T), Siqura Programming Interface
Communication interface	1x 10/100/1000 Base T/TX (RJ-45)
Audio	
Audio	1x 3.5 mm Audio in (Mic in/Line in) ; 1x 3.5 mm Audio out interface
Compression	G.711, G.722.1, G.726, MP2L2, PCM, MP3
Enhancement	Environmental noise cancellation
Analytics	
Face Capture	Detects up to 30 faces simultaneously

Specs

Analytics

Faces angels	60° left/right and 30° up/down
Face Recognition	Detects, captures, and selects
Face library	3 face libraries with up to 30,000 faces each
Face Attribute	Age and gender
Behavior analytics	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection

Alarm I/O

Alarm trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, illegal login, disk full, disk error, Alarm I/O
Alarm in	1x input
Alarm out	1x output (up to 24 Vdc 1 A)

Storage

Networked storage	NAS (NFS, SMB/CIFS), ANR
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB

Powering

Power supply	12 Vdc 25% (terminal block), PoE (802.3at, class 4)
Power consumption	Max. 14.5W

Environmental

Impact protection	IK10
Operating temperature	-30 °C to +60 °C (-22°F to +140°F)
Relative humidity	+5% to 95%

Housing

Material	Die cast aluminium
Dimensions	diameter 140 x 123 mm (diameter 5.5" 4.8")
Weight	940 g (2.1 lbs)
Color	RAL 9003 (signal white)

Ordering information

FD1104FR	4MP Fixed Camera, 8-32mm motorized, H.265/H.264/MJPEG, FR
CM08	Ceiling mount for FD1103M1-I and FD1104FR
WM10	Wall mount for FD1103M1-I and FD1104FR
WM10B	Wall and box mount for FD1103M1-EI and FD1104FR
WM14	Corner mount for FD1103M1-I, FD1103M1-EI, BL1103M1-EI and FD1104FR
PM06	Pole mount for 900 series, 1100-series and FD1104FR

