SIQURA

FD2005M1-EI

Fixed dome, 2.8-12 mm motorized lens, 5MP, H.265/H.264

DESCRIPTION

The FD2005M1-EI is a 5-megapixel IP fixed dome camera providing detailed images in any situation. A wide angle 2.8 to 12 mm motorized autofocus lens allows for easy setup and ensures sharp and clear images. The camera has a wide range of intelligent video analytics features to detect numerous events. Intelligent video encoding ensures good image quality and low storage costs.

FEATURES

1/2.9" ultra-low light CMOS imager

5MP @ 20fps (2944 x 1656)

Motorized zoom (2.8 - 12 mm)

120 dB WDR

Built-in IR illuminator (30 m)

Intelligent VCA

Multi-codec H.265, H.264, MJPEG

IP67, IK10

ONVIF Profile S and G

Description

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 FD2005M1-EI to a video management system. In support of open standards, the FD2005M1-EI is compliant with ONVIF (Profile S / Profile G).

Video analytics
The camera features an extensive set of intelligent VCA to assist the operator detecting any anomalies. This camera additionally features behavior analysis and face detection.

Image enhancement
The FD2005M1 features a set of tools to enhance the image quality, such as smart IR, BLC and 3D noise reduction.

Ease of installation
The FD2005M1-EI is fitted with a built-in junction box to make installation easy and dismisses the need of an external junction box.

Camera

Image sensor	1/2.9" Ultra-low light CMOS
Lens	Motorized 2.8 to 12 mm, F/1.4
Focus	Autofocus
Field of view	88 to 27 horizontal, 48° to 16° vertical
Minimum illumination	Color: 0.014 lux, B/W: 0.0028 lux, 0 lux with IR (F/1.4)
Day/Night	IR-cut filter with auto switch
IR distance	Up to 30 m
IR illuminator wavelength	850 nm
Wide dynamic range (WDR)	120 dB
Shutter speed	1/3 s to 1/100,000 s
Slow shutter	Supported

Video

Video compression	H.265 MP, H.264 MP/HP, MJPEG
Video bit rate	32 Kbps - 16 Mbps
Region of interest	1 region per stream
Max. resolution	2944 x 1656 at 20 fps; 2560 x 1440 at 30 fps
	(640x360 for MJPEG)
Frame rate	25/30 fps
Number of simultaneous streams	3
- Main stream	:2944x1656@20fps; 2560x1440@25/30; 1920x1080@25/30fps; 1280x720@25/30fps
- Sub stream	640x360@25/30fps; 352x288@25fps or 352x240@30fps
- Third Stream*	1280x720@25/30fps; 640X360@25/30; 352x288@25fps or 352x240@30fps
Image enhancement	3D DNR
Image setting	Rotate mode**, saturation, brightness, contrast, sharpness
Note*	By enabling the Third-Stream, face detection is not supported
Note**	The combination WDR and rotation = on limits the frame rate to 20 fps
Day/Night switch	Auto/Scheduled/Triggered by Alarm In
Privacy mask	Yes
Live view (simultaneous)	6
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, PSIA, CGI
Security	3-level user authentication, 802.1x, Watermark, IP address filtering
API	ONVIF (Profile S, Profile G), PSIA, Siqura Programming Interface
Communication interface	1x 10/100 Base T/TX (RJ-45)

Audio

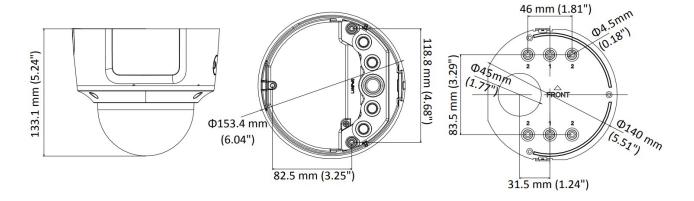|	
Audio	1x 3.5 mm Audio in (Mic in/Line in) ; 1x 3.5 mm Audio out interface
Compression	G.711, G.726, MP2L2
Enhancement	Environmental noise cancellation

Specs

Audio	

Analytics	
Behavior analytics	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection
Face detection	supported

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 or 110 Vac 500 mA)

Storage	
Networked storage	NAS (NFS, SMB/CIFS), ANR
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB

Powering	
Power supply	12 Vdc 25% (terminal block), PoE (802.3at)
Power consumption	1.2 A max, Max. 14.5W

Environmental	
Ingress protection level	IP67
Impact protection	IK10
Operating temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Relative humidity	+5% to 100%

Housing	
Material	Die cast aluminium
Dimensions	diameter 153.4 x 133.1 mm (6.04" 5.24")
Weight	1287 g (2.84 lbs)
Color	RAL 9003 (signal white)

Ordering information	
FD2002M1-EI	Fixed dome, 2.8-12 mm motorized lens, 2MP, H.265/H.264

Siqura Accessories	
PM10	Pole mount for BL/FD2000 series cameras
WM20	Corner mount for BL/FD2000 series cameras
WM21	Wall mount for FD2002/2005
CM21	Ceiling pendant mount for FD2002/2005

DIMENSIONS (IN MM)

133.1 mm (5.24")

Φ153.4 mm (6.04")

82.5 mm (3.25")

118.8 mm (4.68")

46 mm (1.81")

Φ4.5mm (0.18")

Φ45mm (1.77")

FRONT

83.5 mm (3.29")

Φ140 mm (5.51")

31.5 mm (1.24")

R E L A T E D

	Siqura CM21
	Ceiling pendant mount for FD200xM1

Siqura CM22
In-ceiling mount for FD200xM1

Siqura PM10
Pole mount for BL/FD200xM1 series cameras

Siqura WM20
Corner mount for BL/FD200xM1 series cameras

Siqura WM21
Wall mount for FD200xM1