

# FD2002M1-EI

**Fixed dome, 2.8-12 mm motorized lens, 2MP, H.265, IP67, IR**

## DESCRIPTION

The FD2002M1-EI is a 2 megapixel IP bullet camera providing clear images in any situation.

The wide angle (2.8 to 12 mm) motorized autofocus lens allows for easy setup and ensures sharp and clear images at all times. The camera has multi-stream capability for simultaneous streaming of H.265, H.264 and MJPEG. Streaming 2 megapixel HD (1920 x 1080) at 30 fps.

With IR up to 50 meter and 120 dB wide dynamic range the FD2002M1-EI ensures excellent images in every light condition.

## FEATURES

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1/2.8 ultra-low light CMOS imager

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2MP @ 25/30 fps (1920x1080)

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Motorized zoom (2.8 - 12mm)

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120 dB WDR

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Built-in IR illuminator (effective distance: 30 m)

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H.265 Low bit rate, low latency

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Edge recording

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IP67, IK10

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ONVIF Profile S and G conformant



Camera	
Image sensor	1/2.8" Ultra-low light CMOS
Lens	Motorized 2.8 to 12 mm, F/1.4
Focus	Autofocus
Field of view	105° to 35° horizontal, 56° to 20° vertical
Minimum illumination	0.0068 lux color; 0.0013 lux (b/w); 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	1920x1080 at 30 fps
Frame rate	25/30 fps
Number of simultaneous streams	3
Image enhancement	3D DNR
Image setting	Rotate mode, saturation, brightness, contrast, sharpness
Day/Night switch	Auto/Scheduled/Triggered by Alarm In
Privacy mask	Yes
Live view (simultaneous)	6
video output	1 Vp-p composite output (75 /BNC)

Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SNMP, IGMP
Security	3-level user authentication, 802.1x, Watermark, IP address filtering
API	ONVIF (Profile S, Profile G), PSIA, Siqua 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 cancelation

Alarm I/O	
Alarm trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, illegal login, disk full, disk error
Alarm in	1x input
Alarm out	1x output (up to 24 Vdc 1 A or 110 Vac 500 mA)

### Storage

# Specs



## 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	diameter153.4 x 133.1 mm (6.04" 5.24")
Weight	1287 g (2.84 lbs)
Color	RAL 9003 (signal white)

## Ordering information

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## Siquira 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