

Cognex Industrial Camera

CIC-A023-MG-168-5G

- Trusted Cognex® brand
- Designed for Cognex Vision Software
- GigE Vision® and GenICam Compatible



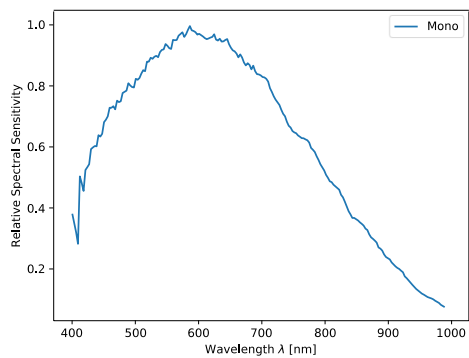
- 5 Gbps Ethernet Interface
- CE (includes RoHS), and FCC compliant
- Software Trigger / Hardware Trigger / Free Run Mode

Specifications

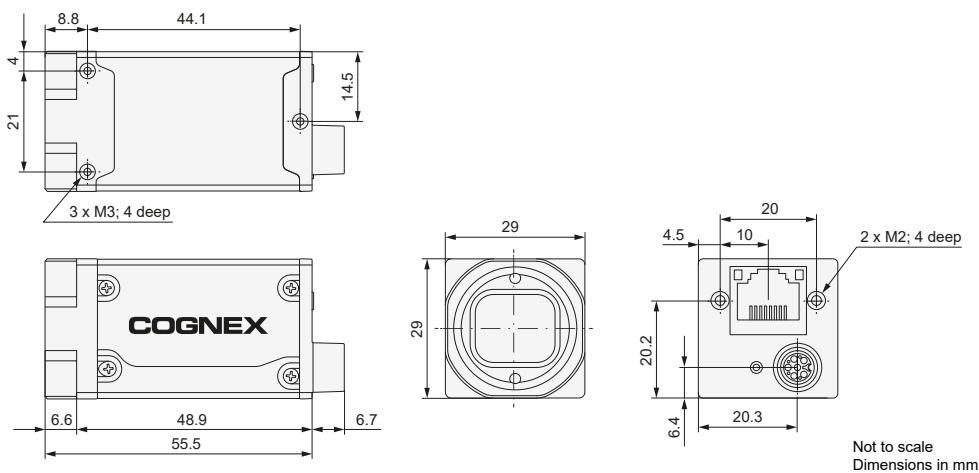
Model	Interface	Resolution	fps	Mono / Color	Sensor	Sensor Type	Shutter	Sensor Size
CIC-A023-MG-168-5G	GigE	2.3 MP	168	Monor	IMX392 LQR-C	CMOS	Global	1/2.3"

Model Name	CIC-A023-MG-168-5G
Effective Pixels	2.3 MP
Resolution (H x V)	1920 x 1200 px
Pixel Size (µm)	3.45 x 3.45
Pixel Formats	Mono 8 bits / 10 bits / 12 bits
Digital I/O	(1) Opto-isolated Input (2) General Purpose I/O (GPIO) Lines
Exposure Time	21 µS – 10.000.000 µS
Compliance	CE, FCC, RoHS, EAC
Lens Mount	C-mount
Dimensions	55.5 mm x 29 mm x 29 mm
Weight	<105 g
Power Consumption	12 V / 5.3 W
Trigger Mode	Software Trigger / Hardware Trigger / Free Run Mode
Storage Temperature	-20 °C - +80 °C
Operating Temperature	-10 °C - +50 °C

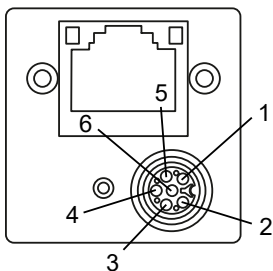
Spectrogram



Dimensions



I/O Connection



Pin	Signal	Description
1	Power	12 - 24 VDC input
2	Line 1	Opto-isolated I/O-input
3	IO GND	Opto-isolated ground
4	Line 2	General purpose I/O (GPIO) line
5	Line 3	General purpose I/O (GPIO) line
6	GND	Ground

COGNEX

Companies around the world rely on Cognex vision and barcode reading solutions to optimize quality, drive down costs, and control traceability.

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