

Cognex Industrial Camera

CIC-A12-MG-44-5G

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



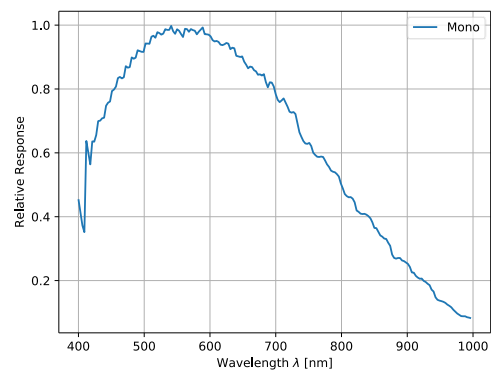
- 5 Gbps Ethernet Interface
- CE (includes RoHS), and FCC compliant
- Software Trigger / Hardware Trigger / Free Run Mode

Specifications

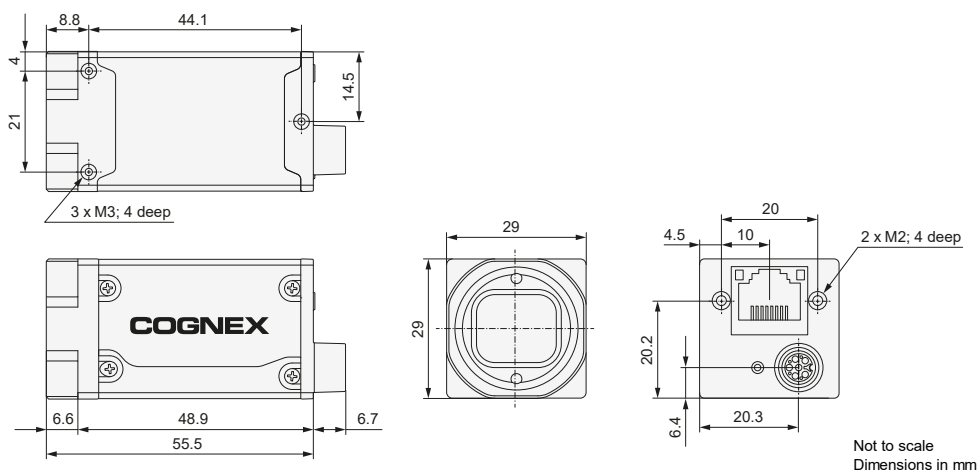
Model	Interface	Resolution	fps	Mono / Color	Sensor	Sensor Type	Shutter	Sensor Size
CIC-A12-MG-44-5G	GigE	12.3 MP	44	Mono	IMX545	CMOS	Global	1/1.1"

Model Name	CIC-A12-MG-44-5G
Effective Pixels	12.3 MP
Resolution (H x V)	4096 x 3000 px
Pixel Size (µm)	2.74 x 2.74
Pixel Format	8 bits / 10 bits / 12 bits
Digital I/O	(1) Opto-isolated Input (2) General Purpose I/O (GPIO) Lines
Exposure Time	13 µS - 10.000.000 µS
Compliance	CE, FCC, RoHS, REACH
Lens Mount	C-mount
Dimensions	55.5 mm x 29 mm x 29 mm
Weight	<105 g
Power Consumption	12 V / 5.5 W
Trigger Mode	Software Trigger / Hardware Trigger / Free Run Mode
Storage Temperature	-20 °C - +80 °C
Operating Temperature	-10 °C - +50 °C

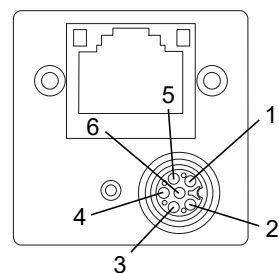
Spectrogram



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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