

Cognex Industrial Camera

CIC-L041-CG-42-5G

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



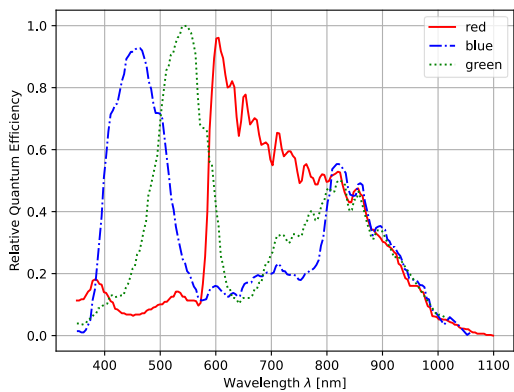
- 5 Gbps Ethernet Interface
- CE (includes RoHS), and FCC compliant
- Software Trigger / Hardware Trigger / Free Run Mode

Specifications

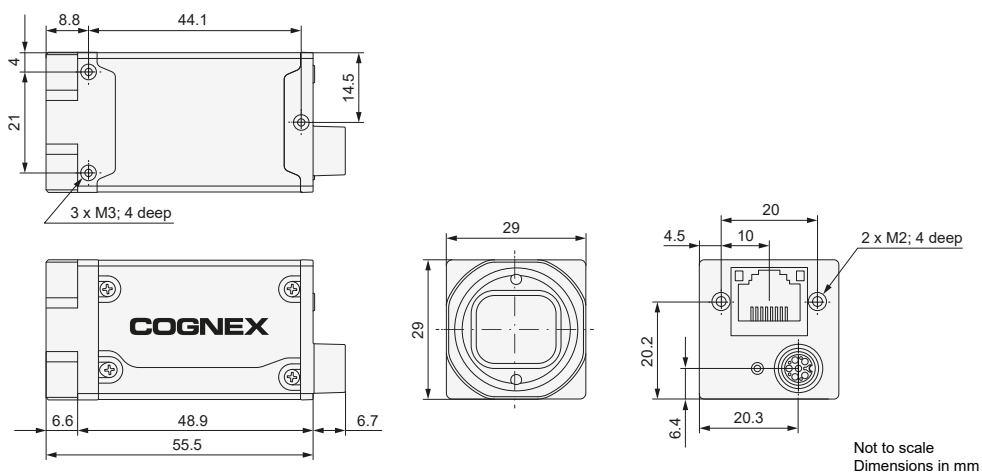
Model	Interface	Resolution	Line Rate	Mono / Color	Sensor	Sensor Type	Shutter	Sensor Size
CIC-L041-CG-42-5G	GigE	4096 x 1 pixels	42 kHz	Color	Gpixel GL3504	Color Linear CMOS	Global	14.34 mm

Model Name	CIC-L041-CG-42-5G
Effective Pixels	4096 x 1 pixels
Sensor Bit Depth	12 bit
Pixel Size (µm)	3.5 x 3.5
Pixel Formats	Mono 8 bits / 10 bits / 12 bits, RGB 8, BGR 8, YCbCr422_8, BiColor BGRG 8, BiColor RGBG 8
Digital I/O	(1) Opto-isolated Input (2) General Purpose I/O (GPIO) Lines
Exposure Time	3.15 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 / 6.5 W
Trigger Mode	Software Trigger / Hardware Trigger / Free Run Mode
Storage Temperature	-20 °C - +80 °C
Operating Temperature	-10 °C - +50 °C

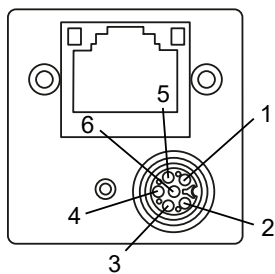
Spectrogram



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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