

## Cognex Industrial Camera

CIC-L041-MG-84-5G

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



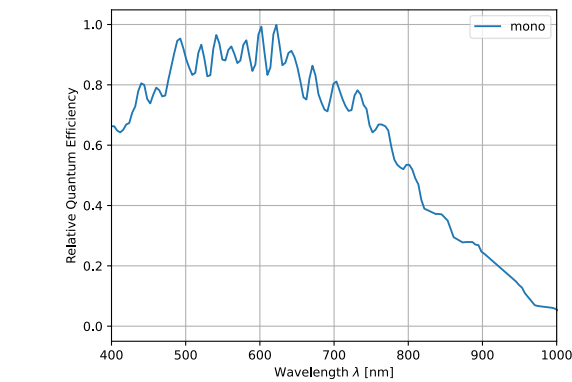
- 5 Gbps Ethernet Interface
- CE (includes RoHS), and FCC compliant
- Software Trigger / Hardware Trigger / Free Run Mode

### Specifications

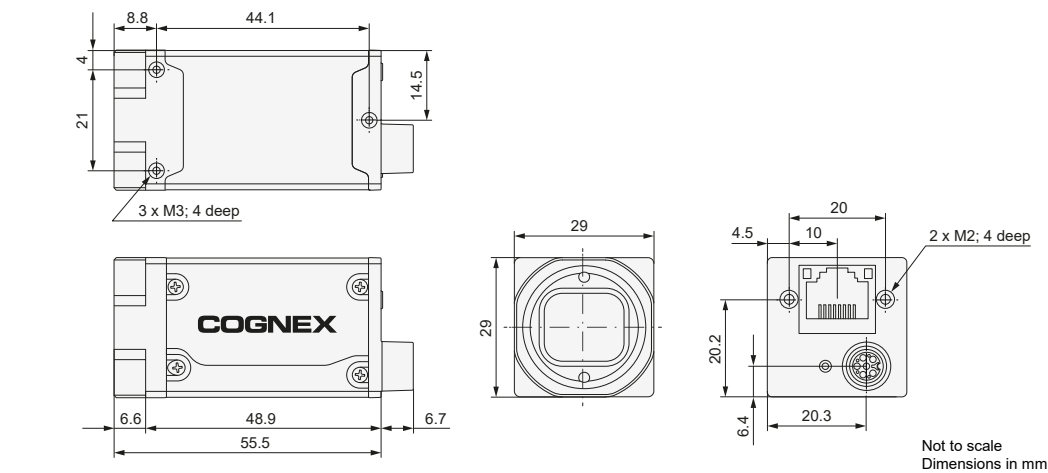
| Model             | Interface | Resolution      | Line Rate | Mono / Color | Sensor        | Sensor Type | Shutter | Sensor Size |
|-------------------|-----------|-----------------|-----------|--------------|---------------|-------------|---------|-------------|
| CIC-L041-MG-84-5G | GigE      | 4096 x 1 pixels | 84 kHz    | Mono         | Gpixel GL3504 | CMOS        | Global  | 14.34 mm    |

| Model Name            | CIC-L041-MG-84-5G                                               |
|-----------------------|-----------------------------------------------------------------|
| 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                                 |
| Digital I/O           | (1) Opto-isolated Input<br>(2) General Purpose I/O (GPIO) Lines |
| Exposure Time         | 2.1 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 / 5.8 W                                                    |
| Trigger Mode          | Software Trigger / Hardware Trigger / Free Run Mode             |
| Storage Temperature   | -20 °C - +80 °C                                                 |
| Operating Temperature | -10 °C - +50 °C                                                 |

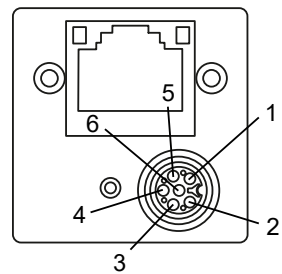
Spectrogram



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.

Corporate Headquarters One Vision Drive Natick, MA 01760 USA

Regional Sales Offices

Americas

North America +1 844 999 2469  
Brazil +55 11 4210 3919  
Mexico +800 733 4116

Europe

Austria +43 800 28 16 32  
Belgium +32 289 370 75  
Czechia +420 800 023 519  
France +33 1 76 54 93 18  
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Hungary +36 800 80291

Ireland +353 21 421 7500  
Italy +39 02 3057 8196  
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Spain +34 93 299 28 14  
Sweden +46 21 14 55 88  
Switzerland +41 445 788 877  
Turkey +90 216 900 1696  
United Kingdom +44 121 29 65 163  
**Asia-Pacific**  
Australia +61 2 7202 6910  
China +86 21 5875 1133

India +91 7305 040397  
Indonesia +62 21 3076 1792  
Japan +81 3 5977 5400  
Korea +82 2 539 9047  
Malaysia +6019 916 5532  
New Zealand +64 9 802 0555  
Phillipines +63 2 8539 3990  
Singapore +65 3158 3322  
Taiwan +886 02 7703 2848  
Thailand +66 6 3230 9998  
Vietnam +84 98 2405167

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