

## Cognex Industrial Camera

CIC-A20-MG-27-5G

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



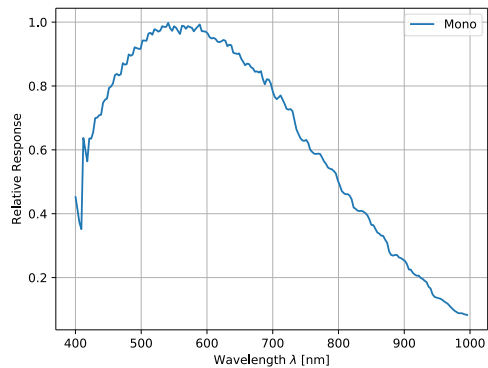
- 5 Gbps Ethernet Interface
- CE (includes RoHS), and FCC compliant
- Software Trigger / Hardware Trigger / Free Run Mode

### Specifications

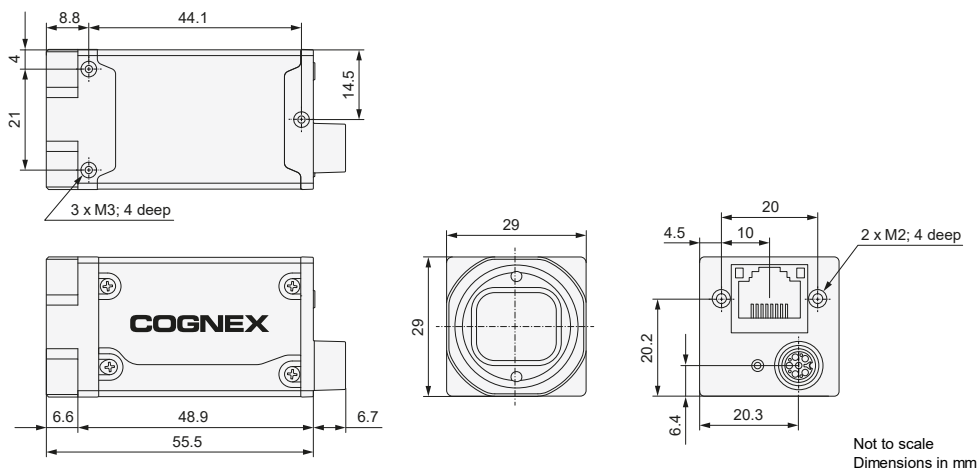
| Model            | Interface | Resolution | fps | Mono / Color | Sensor | Sensor Type | Shutter | Sensor Size |
|------------------|-----------|------------|-----|--------------|--------|-------------|---------|-------------|
| CIC-A20-MG-27-5G | GigE      | 20.2 MP    | 27  | Mono         | IMX541 | CMOS        | Global  | 1.1"        |

| Model Name            | CIC-A20-MG-27-5G                                                |
|-----------------------|-----------------------------------------------------------------|
| Effective Pixels      | 20.2 MP                                                         |
| Resolution (H x V)    | 4504 x 4504 px                                                  |
| Pixel Size (µm)       | 2.74 x 2.74                                                     |
| Pixel Format          | 8 bits / 10 bits / 12 bits                                      |
| Digital I/O           | (1) Opto-isolated Input<br>(2) General Purpose I/O (GPIO) Lines |
| Exposure Time         | 16 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 / 5.8 W                                                    |
| Trigger Mode          | Software Trigger / Hardware Trigger / Free Run Mode             |
| Storage Temperature   | -20 °C - +80 °C                                                 |
| Operating Temperature | -10 °C - +50 °C                                                 |

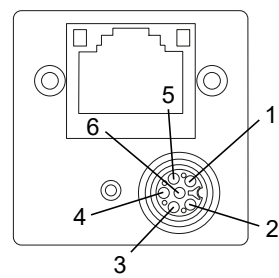
Spectrogram



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.

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