

R7000 Series

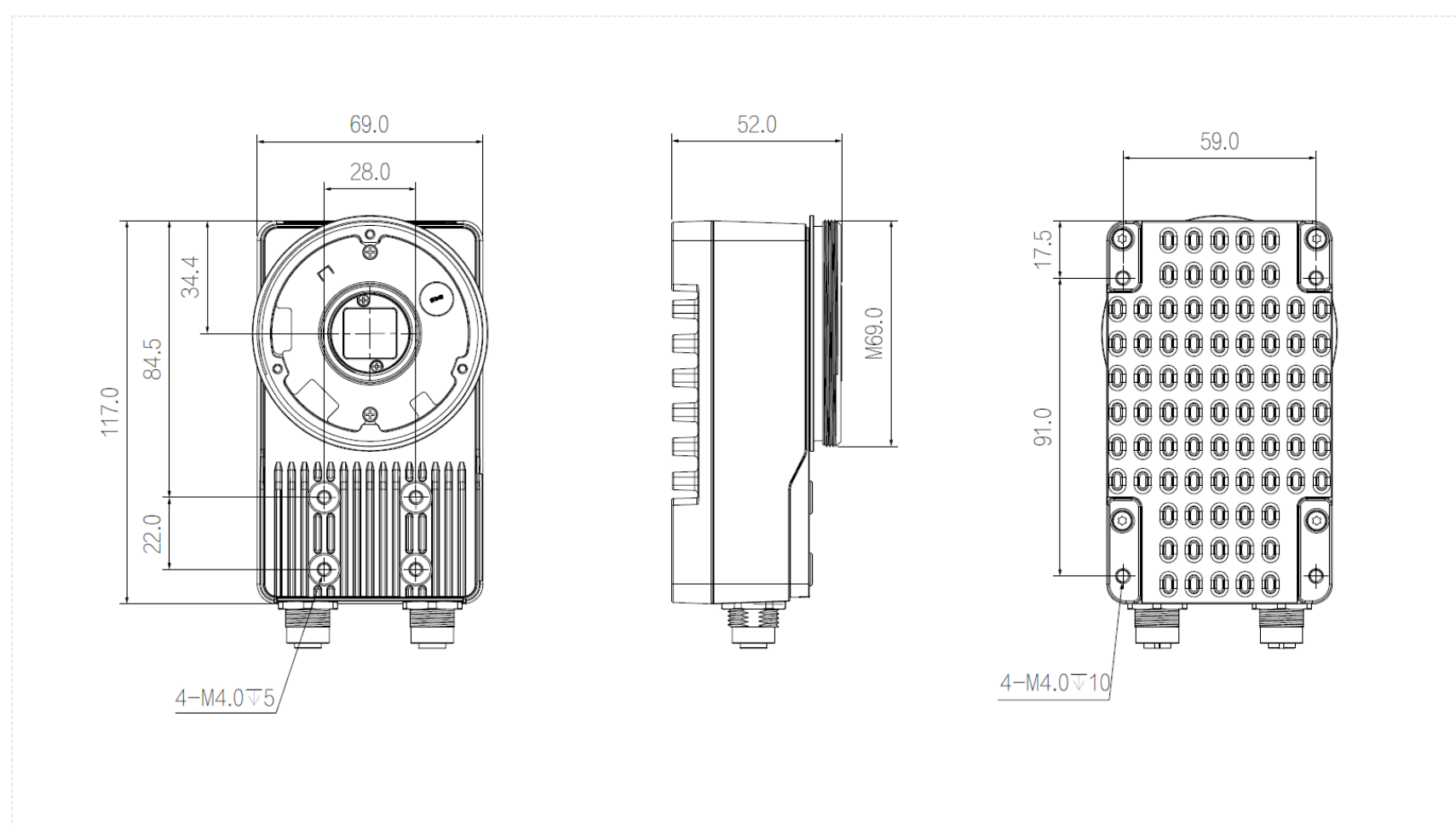
R7250MG-00C-NGG01E



Features

- CMOS series product, high-speed capture
- Built-in deep learning algorithm, efficient and powerful algorithms
- Support software trigger/ hardware trigger/ free run modes
- GigE, up to 1Gbps bandwidth
- Abundant I/O interfaces, RS232, 3Opto-isolated input, 3Opto-isolated outputs
- Industrial M12 connector, IP67

Dimensions (mm)



Specification

| | | |
|-------------|------------------------|--|
| | Model | R7250MG-00C-NGG01E |
| Basic | Resolution | 5120 × 5104 |
| | Max. Frame rate | 12 fps |
| | Sensor Type | 1.1 |
| | Lens Mount | C-MOUNT |
| | Trigger Mode | Software trigger/External trigger/Free run modes |
| | Software | EasyID |
| | Certifications | CE , FCC , KC |
| | Function | ID: Code 39 , Code 93 , Code 128 , CodaBar , EAN8 , EAN13 , UPCA , UPCE , ITF25 , 2of5 (Industrial 2of5) , standard25 , GS1-128 etc. and 2D: QR/DM/MQR/GS1 DM/GS1 QR; Quality Evaluation: 1S0/IEC 29158(AIM-DPM), 1S0/IEC 15415, 1S0/IEC 15416 |
| Performance | Max. Read Speed | 90 codes/s |
| Port | Connector | 2 Industrial connectors support GigE and GPIO |
| | Network Port | Code-A,GigE |
| | GPIO Interface | 12Pins GPIO , RS232, 2 Opto-isolated inputs and 3 Opto-isolated outputs |
| | Communication Mode | RS232, Ethernet |
| | Communication protocol | SDK , TCP Client , FTP , TCP Server , RS232 , Profinet、 Modbus、 EtherNet/IP、 MCUdp、 MCTcp、 FinsUDP、 FinsTCP、 MELSEC |
| | LED Indicator | Power,Ethernet,Trigger |
| Power | Power Supply | DC24V(±10%) IA input, suitable for industrial environment |
| | Power Consumption | <8.0W@DC24V((light not included)) |
| Structure | Product Dimensions | 117 mm × 69 mm × 43 mm(lens mount & connector not included) |
| | Net Weight | < 550 g |
| | Protection | IP67 (with lens cover) |
| | Casing Material | Aluminum alloy |
| Environment | Operating Temperature | -20°C ~ +50°C |
| | Operating Humidity | 20% ~ 95%, no condensation |
| | Storage Temperature | -30°C ~ +70°C |

Connector Pin-out

12 Pin I/O Connector

| Color | Pin | Signal | Description |
|--------------|-----|-------------|--------------------------|
| Yellow | 1 | OPT_IN1 | Opto-isolated input1 |
| Yellow white | 2 | OPT_IN2 | Opto-isolated input2 |
| Brown | 3 | OPT_OUT1 | Opto-isolated output1 |
| Brown white | 4 | OPT_OUT2 | Opto-isolated output2 |
| Purple | 5 | COM_RXD | Serial receive |
| Purple white | 6 | OPT_IN_GND | Opto-isolated input GND |
| Red | 7 | POWER | Power supply |
| Black | 8 | POWER_GND | Power supply GND |
| Green | 9 | OPT_OUT_GND | Opto-isolated output GND |
| Orange | 10 | OPT_IN0 | Opto-isolated input0 |
| Blue | 11 | OPT_OUT0 | Opto-isolated input0 |
| Gray | 12 | COM_TXD | Serial send |
| white | - | - | Shield GND |

