

R5000 Series

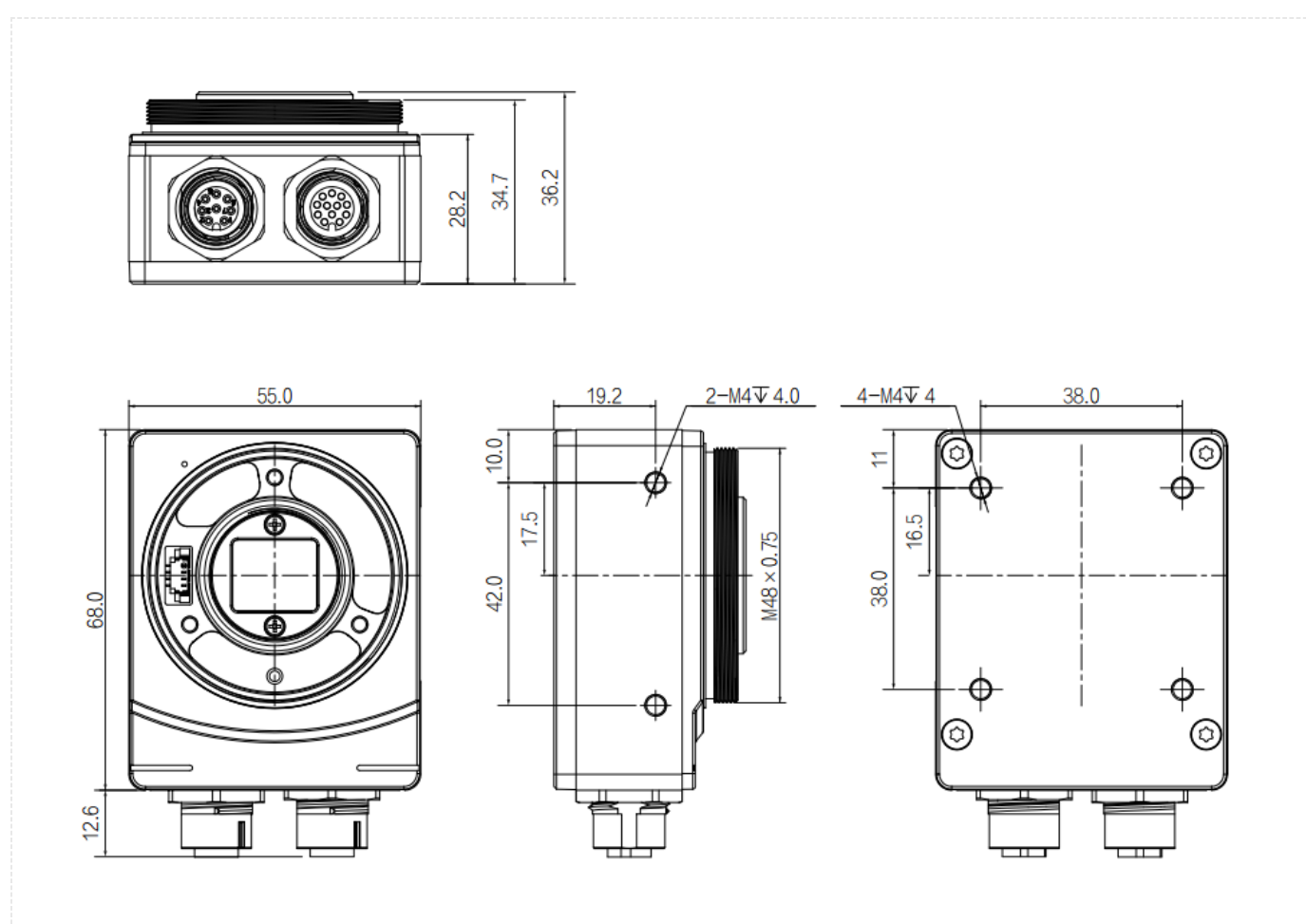
R5050MG-00C-NGG01E



Features

- Built-in AI deep-learning algorithms and multi-parameters polling to ensure effects of complex applications;
- Global shutter, CMOS series products;
- Support multiple trigger modes such as software trigger/external trigger/free run;
- Industrial GigE interface;
- Rich IO interfaces, RS232, Opto-isolated input and output;
- Support C-mount lens;
- Industrial grade M12 connector, IP65 protection level;
- Support multiple symbologies such as 1D: CODE128, EAN and more, 2D: DM, QR and more.

Dimensions (mm)



Specification

Model		R5050MG-00C-NGG01E
Basic	Resolution	2432 × 2048
	Max. Frame rate	40 fps
	Sensor Type	2/3"CMOS
	Shutter Mode	Global
	Pixel Size	3.45 μm × 3.45 μm
	Mono/Color	Mono
	Lens Mount	C-MOUNT
	Trigger Mode	Software trigger/Hardware trigger/Free run mode
	Software	EasyID
	Certifications	CE, UKCA, KC
	Function	1D:Code 39, Code 93, Code128, CodaBar, EAN8, EAN13, UPCA, UPCE, ITF25, 2of5 (Industrial2of5) , standard25, GS1-128 ect ; 2D:QR/Data Matrix/MQR/GS1 DM/GS1QR ect) ; Code quality evaluation:ISO/IEC 29158(AIM-DPM), ISO/IEC 15415, ISO/IEC 15416 ;
Performance	Max. Read Speed	90 codes/s
Port	Connector	2 industrial connectors: 1 Ethernet, 1 GPIO
	Network Port	1 GigE
	GPIO Interface	12-pin IO interface: 2 Opto-isolated inputs, 3 opto-isolated outputs
	Communication Mode	1 RS232, 1 GigE
	Communication protocol	SDK, TCP Client, TCP Server, FTP, RS232, Profinet, Modbus, EtherNet/IP, MC(SLMP), FINS/UDP, FINS/TCP
	LED Indicator	5 status indicators: system, network, trigger and 2 user configurable indicators
Power	Power Supply	24VDC
	Power Consumption	≤4.0W (Without light source)
Structure	Product Dimensions	68mm×55mm×28mm (Excluding lens mount and connector)
	Net Weight	< 200 g
	Protection	IP67(With lens cover installed correctly)
	Casing Material	Aluminium alloy
Environment	Operating Temperature	-20℃ ~ +50℃
	Operating Humidity	20% ~ 95%, No condensation(Excluding lens mount and connector)
	Storage Temperature	-30℃ ~ +80℃

Connector Pin-out

12 pin-out on camera:

Pin	Signal	Description	Cable Color	
1	OPT_OUT2	Opto-isolated output2		Brown white
2	RS232_TXD	RS232 serial send		Grey
3	RS232_RXD	RS232 serial receive		Purple
4	SIGNAL_GND	RS232 serial GND		Black white
5	OPT_IN1	Opto-isolated input1		Yellow
6	OPT_IN_GND	Opto-isolated input GND		Purple white
7	POWER	Power		Red
8	POWER_GND	Power GND		Black
9	OPT_OUT_GND	Opto-isolated output GND		Green
10	OPT_IN0	Opto-isolated input0		Orange
11	OPT_OUT0	Opto-isolated output0		Blue
12	OPT_OUT1	Opto-isolated output1		Brown
-	-	Shield GND		White

12-pin assignment on camera

