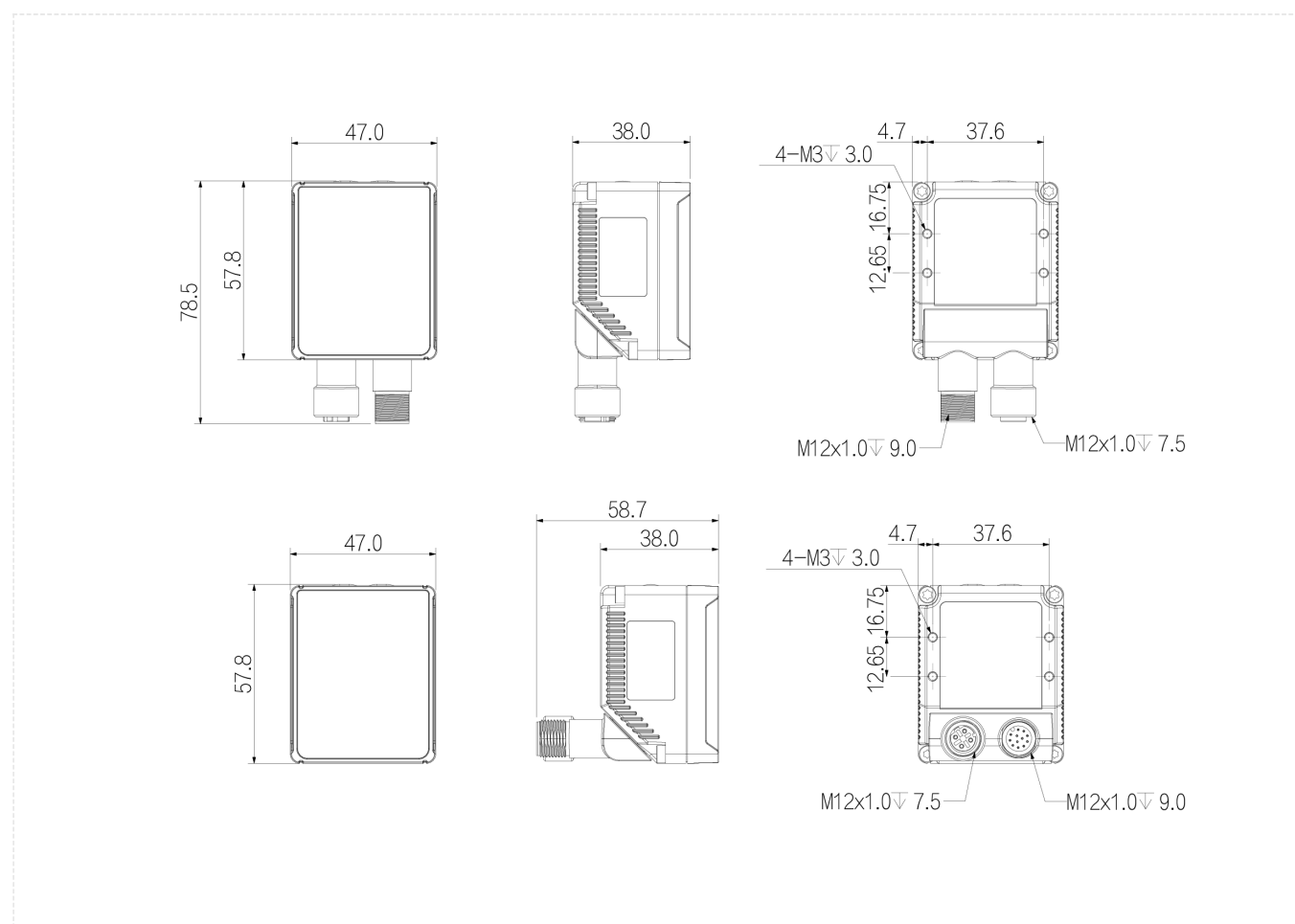# R4000 Series

R4013MG-12M-RGG01E

/ Features

- Light-integrated design makes red/white/blue illumination optional, support control separately
- Support different focal lengths, electrical auto focus and one-click auto training
- 100M Ethernet interface, IP65 protection level
- Abundant IO interfaces such as Ethernet, RS232, GPIO, support multiple communication protocols
- Support various code formats and evaluations of code quality
- Built-in deep-learning based code reading algorithms and multi-parameters polling to ensure effects of complex applications

/ Dimensions (mm)

Specification

Model	R4013MG-12M-RGG01E
Basic Resolution	1280 × 1024
Max. Frame rate	60 fps
Shutter Mode	Global
Lens Mount	M12, auto focus
Trigger Mode	Software trigger/External trigger/Free run modes
Software	EasyID
Certifications	CE，KC
Function	lD: Code 39/Code 93/Code128/CodaBar/EAN8/EAN13/UPCA/UPCE/ITF25/2of5（Industrial2of5）/standard25/GS1-128 etc. and 2D: Data Matrix/MQR/GS1 DM/GS1QR etc.; Quality Evaluation: ISO/IEC 29158(AIM-DPM), ISO/IEC 15415, ISO/IEC 15416）
Performance Focal Length	12mm
Working Distance	50-500mm
Field of View	64×51 mm（working distance:150mm）
Max. Read Speed	60 codes/s
Light Source Type	Red （Difused/Polarized/Non-polarized）
Port Connector	2 Industrial connectors support Ethernet and GPIO
Network Port	100M Ethernet
GPIO Interface	RS232, 2 Opto-isolated inputs and 3 Opto-isolated outputs
Communication Mode	RS232, Ethernet
Communication protocol	SDK,TCP Client,TCP Server,FTP,RS232,Profinet,Modbus,EtherNet/IP,MC(SLMP),FINS/UDP,FINS/TCP
LED Indicator	Power,Ethernet,Result
Power Power Supply	9~26V DC, 1.5A input, suitable for industrial environment
Power Consumption	<5W
Structure Product Dimensions	47mm×58mm×38mm(not including connector)
Net Weight	<180 g
Protection	IP65
Casing Material	Aluminum alloy + Front cover
Environment Operating Temperature	-20℃～+50℃
Operating Humidity	20%～95%(no condensation)
Storage Temperature	-30℃～+70℃

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