# **R4000 Series**

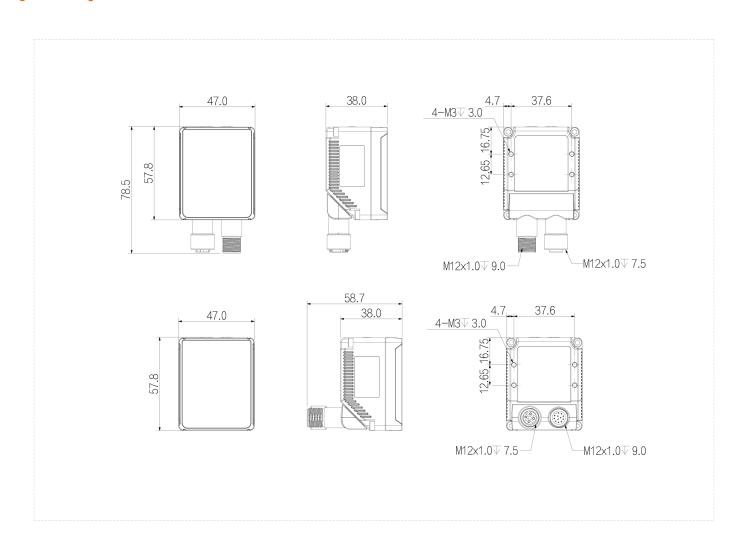
#### R4013MG-12M-WGG01E



#### 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-WGG01E			
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	ID: 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 (FOV)	64×51 mm ( working distance:150mm )			
	Max. Read Speed	60 codes/s			
	Light Source Type	White (Difused/2 Channel Non-polarized)			
	Connector	2 Industrial connectors support Ethernet and GPIO			
	Network Port	100M Ethernet			
	GPIO Interface	RS232, 2 Opto-isolated inputs and 3 Opto-isolated outputs			
Port	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			
	Product Dimensions	47mm×58mm×38mm(not including connector)			
Structure	Net Weight	<180 g			
	Protection	IP65			
	Casing Material	Aluminum alloy + Front cover			
Environment	Operating Temperature	-20°C ~ +50°C			
	Operating Humidity	20% ~ 95%(no condensation)			
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### 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	12-pin assignment on camera	
5	OPT_IN1	Opto-isolated input1	-	Yellow	1	
6	OPT_IN_GND	Opto-isolated input GND		Purple white	2	
7	POWER	Power	-	Red	3	
8	POWER_GND	Power GND		Black	11	
9	OPT_OUT_GND	Opto-isolated output GND	•	Green	4	
10	OPT_IN0	Opto-isolated input0	-	Orange		
11	OPT_OUT0	Opto-isolated output0		Blue		
12	OPT_OUT1	Opto-isolated output1		Brown		
-	-	Shield GND		White		