

RS3000 Series

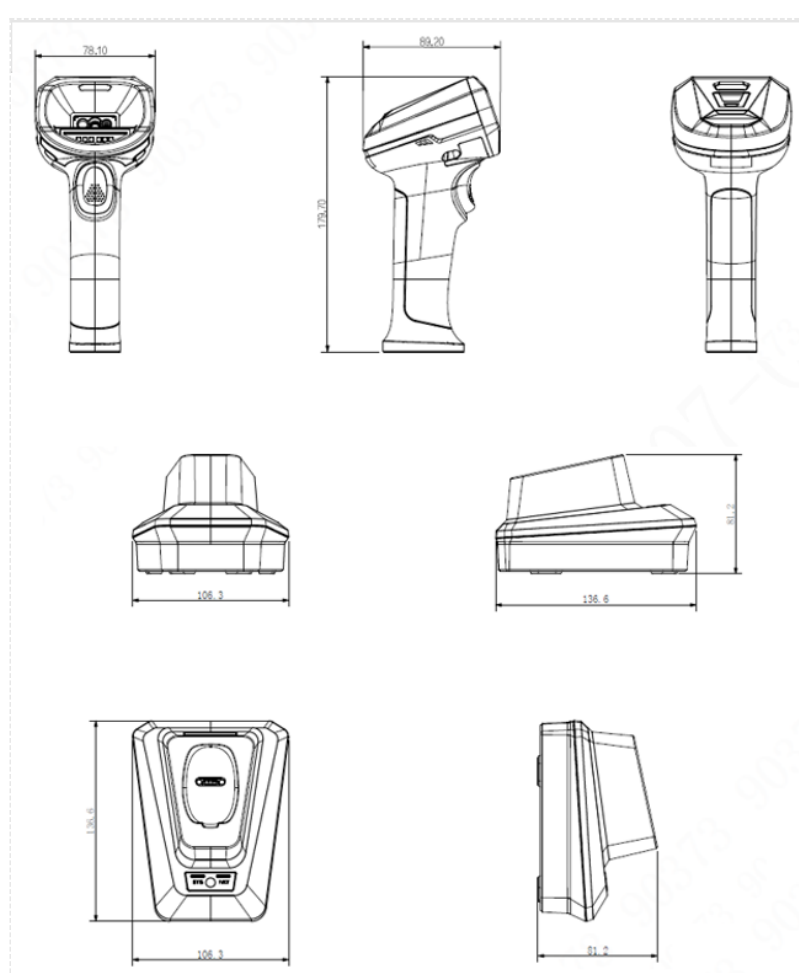
RS3013MB-05-MGGN1E



Features

- Highly efficient AI algorithm ensures excellent code reading performance in complex scenarios
- Integrated three-color(Red/White/Blue) illumination, actively switches to the optimal light source
- High frame rate CMOS image sensor with 1280*1024 resolution enables high accuracy and fast scanning
- Ergonomic and Reliable mechanical design makes operation comfortable and durable in industrial environment
- Intelligent tuning tool provides optimal settings for Direct Part Mark(DPM) code reading
- Adopting Bluetooth 5.0 Wireless technology, freeing from the constraints of cables, enabling more efficient and convenient operation
- With the smart communication and charging dock, it can connect to EasyID for parameter configuration and device management

Dimensions (mm)



Specification

Model		RS3013MB-05-MGGN1E
Basic	Resolution	1280×1024
	Max. Frame rate	50fps
	Scanning System	Key push scan, Auto sensing scan
	Software	EasyID
	Certifications	CE,KC
	Function	1D : Code 39, Code 93, Code 128, ITF 14/25, CodaBar, EAN8, EAN13, UPCA, UPCE、 Pharmacode; 2D : QR Code, Data Matrix、 Micro QR、 QR Model1、 PDF417
	Light Source Type	Red/white/blue three-color integrated light
Performance	Min. Resolution	3mil
	Depth of Field (DoF)	1D : Code128 (3 mil) : 35 ~ 80 mm Code128 (10 mil) : 10~ 200 mm Code39 (5 mil) : 15~ 100 mm Code39 (20mil) : 0~ 250 mm 2D : QR Code (5mil) : 30 ~ 70 mm QR Code (20mil) : 10 ~ 240 mm Data Matrix (10 mil) : 5~ 115 mm
	Field of View	Horizontal 43°, vertical 36°
	Detection angle	Tilt angle ± 60°, skew angle ± 60°, rotation angle 360°
	Print contrast	0.15
	Sight	Red cross laser aiming
	Prompt method	Buzzer. LED indicator, Vibrator
	Bluetooth wireless range	80 m (open range)
	Bluetooth	BT 5.0, BLE
Port	LED Indicator	Buzzer. LED indicator, Vibrator
Structure	Product Dimensions	89 mm × 78 mm × 180 mm
	Net Weight	Approx.280g (Without base)
	Ingress Protection	IP54
	Drop Test Height	1.8m
Environment	Operating Temperature	-20°C ~ 50°C
	Operating Humidity	20% RH to 80% RH (no condensation)
	Storage Temperature	-20°C~+60°C
Power	Battery Capacity	3250mAh
	Charging Time	Shutdown mode: DC12V~24 V(12V, 2A):3.5 h
	Operating Time	13 h (interval scanning, once in 2 seconds)
Base	Connector	Fast Ethernet (100 Mbit/s), USB2.0, RS-232, DC terminal
	Communication protocol	SmartSDK, TCP Client, Serial, FTP, HTTP, TCP Server, Profinet, MELSEC, Ethernet/IP, ModBus, Fins, USB(HID), RS-232, Bluetooth
	Power Supply	DC 12 ~ 24V
	Charging Time	3.5 h

	Charging Current	0.7A (maximum current); 0.06 A (standby current)
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Model		RS3013MB-05-MGGN1E
Base	Product Dimensions	137 mm × 106 mm × 81 mm
	Net Weight	Approx. 310g
	Ingress Protection	IP40
	Operating Humidity	20% RH to 80% RH (no condensation)
	Operating Temperature	-20°C ~ 50°C
	Storage Temperature	-20°C~+60°C
	Charging Temperature	0 ~ 40°C