

# RS3000 Series

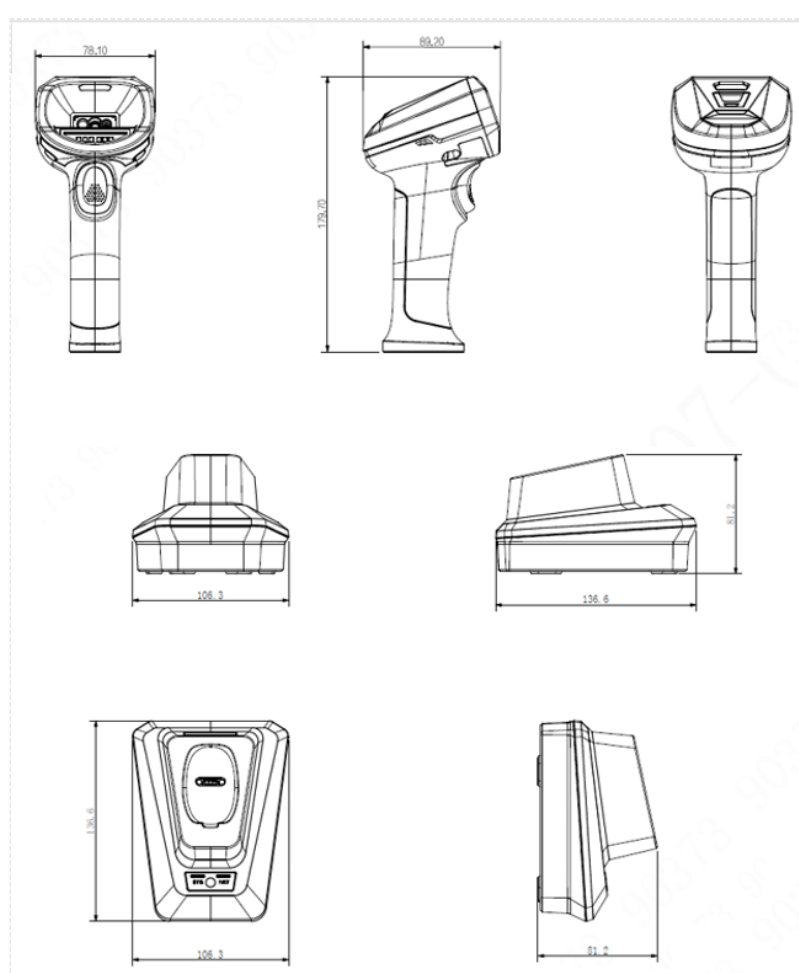
## RS3013MB-05-MGGN1E



### 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<br>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) |
|--|------------------|--------------------------------------------------|

|       |                       |                                    |
|-------|-----------------------|------------------------------------|
| 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                           |