



RVM100-50 Ring Scanner

Scan Engines



1D & 2D



Dual
Interface



Infrared



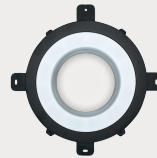
RS232



USB-C



White
Illumination



Features

1D and 2D Scanning.

The RVM100-50 Ring Scanner is equipped with advanced 1D and 2D barcode scanning technology, enabling quick and efficient reading of barcodes on bottles and cans. This scanner can effectively read the most commonly used 1D barcodes and is evolving to support the growing use of 2D codes in the market.

Practical Performance

The RVM100-50 Ring Scanner is equipped with five wide-angle scan engines and serves as a compact, cost-effective alternative to the RVM100. It is designed for businesses operating machines with lower throughput requirements, providing an efficient solution that requires a lower investment cost. The scanner features bright diffuse lighting to enhance visibility, ensuring quick and accurate scanning.

High Motion Tolerance.

The RVM100-50 Ring Scanner features advanced scanning technology with high-speed acquisition and processing. This capability is paired with Newland's advanced and efficient decoding algorithms. For decades, this technology has been the foundation of Newland's scanning solutions, and it has been specifically optimized for the RVM to ensure seamless scanning at the critical entry point of a reverse vending machine. This optimization helps minimize delays, leading to user frustration during the reverse vending process.

Clear Feedback.

The RVM100-50 Ring Scanner has a large LED indicator ring that offers clear and concise feedback during the scanning process. This feature lets users quickly see if the product codes have been successfully read. Additionally, the host can control the tri-color LED indicator, allowing it to display different machine states or indicate whether the device is available for customer use.

24v Power Support.

The RVM100-50 Ring Scanner operates on a 24v power supply, commonly used in industrial machines. This feature simplifies integration and installation, removing the necessity for step-down transformers or additional adapters typically needed for standard low-voltage scanners.

Size and Value Proposition.

The RVM100-50 Ring Scanner packages high-value technology into a compact form factor, offering manufacturers and integrators greater design flexibility. This all-in-one scanning solution handles all scanning functions through a single unified interface, unlike managing multiple separate imaging-based scanners, which are often costly and unreliable. Alternatively, basing the RVM100-50 on Newland's mature scan engine technology enhances reliability with proven solid-state scan engines.

2 Years Full
Warranty



TECHNICAL SPECIFICATIONS

RVM100-50 Ring Scanner

Data Capture

| | |
|--------------|--|
| 1D | EAN-13, EAN-8, UPC-A, UPC-E, Code39, Code128 |
| 2D | Data Matrix, QR Code, Aztec |
| Illumination | White LED, Infrared (0mm - 150mm) |

| | |
|------------------|-----------------------------|
| Image Sensor | 640 x 480 CMOS *5 |
| Resolution | 5mil (1D) |
| Scan Angle Pitch | ±60° |
| Scan Angle Roll | 360° |
| Scan Angle Skew | 360° |
| Scan Modes | Sense Mode, Continuous Mode |

Physical

| | |
|---------------------------|--|
| Current @ 24VDC Operating | <700 mA |
| Current @ 24VDC Standby | <300 mA |
| Dimensions | 335(W) x 169(D) x 335(H) mm, Window diameter: 150mm, Size of Recycled Bottle: 50mm - 110mm |
| Input Voltage | 24 VDC |
| Interfaces | USB-C, RS-232 (RJ50) |
| Notifications | Beep, Multi-color LEDs |
| Weight | 2610 g |

Environmental

| | |
|-----------------------|--------------------------------|
| Humidity | 5% to 95% (non-condensing) |
| Operating Temperature | -30°C to 45°C (-22°F to 113°F) |
| Storage Temperature | -50°C to 85°C (-58°F to 185°F) |

Software

| | |
|---------------------|---------|
| Configuration Tools | EasySet |
|---------------------|---------|

Warranty

| | |
|-------------------|---------|
| Warranty Standard | 2 Years |
|-------------------|---------|

Accessories

| | |
|----------------------|--|
| Accessories Standard | USB cable, RS-232 cable, Power adapter |
|----------------------|--|

What's in the box?

| | |
|---------------|---|
| NLS-RVM100-50 | RVM Ring Scanner, Power adapter, Aqueduct, RS232 cable, USB cable |
|---------------|---|



Newland AIDC EMEA

Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

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