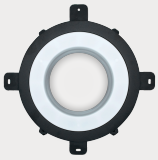
Newland AIDC
SCANNING MADE SIMPLE



RVM100 Ring Scanner

Scan Engines

1D & 2D | Dual Interface | Infrared | RS-232 | USB-C | White Illumination





Features

1D and 2D Scanning.
The RVM100 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.

Accurate Scanning.
The RVM100 Ring Scanner features comprehensive 360-degree coverage thanks to its ten wide-angle scan engines, overlapping their scanning areas. This design eliminates any blind spots or dead zones where codes might go unread. Additionally, the scanner is equipped with bright diffuse lighting that enhances visibility, ensuring quick and accurate scanning regardless of the code's position on a product or its orientation within the scan tunnel, whether centered or against the glass scan window.

Clear Feedback.
The RVM100 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.

High Motion Tolerance.
The RVM100 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 Newlands' scanning solutions, and it has been specifically optimized for the RVM100 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.

24v Power Support.
The RVM100 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 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 on Newland's mature scan engine technology enhances reliability with proven solid-state scan engines.

2 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

RVM100 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 *10
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	RS-232 (RJ50), USB-C
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, Power adapter, RS-232 cable

What's in the box?

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

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Newland AIDC EMEA
Feel free to contact us or a partner near you.
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