RHINO MOBILITY RM4920

1D,2D,1.3 MP Counter Scanner RM4920

- Largest field of view and omni-directional scanning for cant't-miss "swipe-and-go"scanning simplicity
- Superior durability
- Scan virtually any bar code, in any condition, on any medium
- Virtually invisible illumination
- Intelligent Imaging technology for next generation scanning performanc
- Power through a single USB port
- Image capture support expands functionality and increases value
- Superior aut-of-box experience

EASY TO DEPLOY HIGH-PERFORMANCE "CAN'T MISS" ON-COUNTER SCANNING

When it comes to on-counter scanning, the RM4920 offers a feature set that puts it at the top of its class for performance, ease of deployment and total cost of ownership. No matter what bar codes appear at your POS, the RM4920 can scan them all 1D,2D,PDF printed and electronic — as fast as your cashiers can slide items past the scan window. With its compact design, the RM4920 can easily be installed in even the most space constrained checkout lanes. And extraordinary durability minimizes costs and protects uptime, maximizing device lifecycle and your return on investment.

Next generation swipe speeds up to 400Cm/Sec

Enables users to capture bar codes as fast as they can pass items in front of the scan window.

Largest field of view and omni-directional scanning for can't-miss "swipe-and-go" scanning simplicity

First-time every time capture of 1D and 2D bar codes displayed on mobile devices or printed on paper labels, even if they are damaged, poorly printed or dirty.

Superior durability

Multiple features make the RM4920 the most durable device in its class. The recessed scan window prevents marks and scratches that can degrade scanning performance and lifecycle. In addition, the electronics are located in the top area of the RM4920 to prevent damage and protect uptime in the event of a spill.

Intelligent Imaging technology for next generation scanning performance

Resets the bar for 2D imaging by improving decode performance and snappiness, dramatically improving the user experience, user productivity, throughput and customer wait times.

Virtually invisible illumination

The LEDs are recessed behind the scan window, where they are barely visible and won't disturb customers or cashiers.

Scan virtually any bar code, in any condition, on any medium

1D,2D,OCR,PDF

Specification

Physical Characteristics

Dimensions	150mm(L)*153mm(W)*85mm(H)
Weight	800 g
Voltage and Current	Without auxiliary scanner: Standby: 5 VDC +/-10% @ 125ma avg. Operating: 5 VDC +/-10% @ 480ma avg.
Color Midnight	Black
Supported Host Interfaces	USB, RS-232
Keyboard Support	

Performance Characteristics

Swipe Speed	400 cm/sec.
Light Source	Two deep red LEDs (660nm)
Imager Field of View	51.0° x 34.5°
Image Sensor	1280 x 1024 Pixels ,1.3 MP
Minimum Print Contrast	20% minimum reflective difference
Roll / Pitch / Yaw (Skew)	360°, ±70°, ±70° typical

User Environment

Operating Temperature	32° to 104° F / 0° to 40° C
Storage Temperature	-40° to 158° F / -40° to 70° C
Humidity	5% to 85% RH, non-condensing
Environmental Sealing	IP54
Electrostatic Discharge (ESD)	ESD per EN61000-4-2; +/- 25 KV Air Direct; +/- 8 KV Indirect (without auxiliary scanner)
Ambient Light Range	From darkness (0 fcd) to 450 fcd artificial light and 10,000 fcd direct sunlight

Symbology Decode Capability Code 39, Code 128, Code 93, Codabar/NW7, Code 11,OCR MSI Plessey, UPC/EAN, I 2 of 5, Korean 3 of 5, GS1 DataBar, Base 32 (Italian Pharma), PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Postal Codes Refer to Product reference Guide for complete list of symbologies.

Minimal Element Resolution Code 39 – 3 mil, UPC – 7.8 mil, PDF417 – 4 mil, Datamatrix – 7.5 mil, QR Code – 7.5 mil

Decode Ranges (Typical)6

Symbology/Resolution	Near/Far	Symbology/Resolution	Near/Far
Code 39: 3 mil	2.2 in./5.6 cm to 5.0 in./12.7 cm	Code 39: 20 mil	0 in./0 cm to 36.8 in./93.5 cm
Code 128: 3 mil	2.6 in./6.6 cm to 4.5 in./11.4 cm	Code 128: 5 mi	1.6 in./4.1 cm to 8.4 in./21.3 cm
Code 128: 15 mil	0 in./0 cm to 27.1 in./68.8 cm	PDF 417: 5 mil	2.3 in./5.8 cm to 6.4 in./16.3 cm
PDF 417: 6.7 mil1	8 in./4.6 cm to 8.5 in./21.6 cm	UPC:13 mil (100%)	0 in./0 cm to 24.0 in./61.0 cm
Data Matrix: 7.5 mil	0.5 in./1.3 cm to 6.9 in./17.5 cm	QR: 20 mil	.1 in./.3 cm to 17.6 in./44.7 cm
Data Matrix: 10 mil	0 in./0 cm to 9.9 in./25.1 cm		

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