

RHINO MOBILITY RM4400

2D 1MP Fixed Mount RM4400



FEATURES

DIMENSIONS:

2 cm Hx4 cm L x 4.7 cm W

WEIGHT: 160 g

COLOR: Black

SEALING: IP64

DROP TOLERANCE:

Withstands multiple 30 in./176 cm drops to concrete

DECODE CAPABILITY:

1D, 2D, PDF, OCR and direct part marks

SCANNING TECHNOLOGY:

Array Imager CMOS (1MP)
1280*800 Pixels

FLEXIBLE AND EASY TO INTEGRATE:

The RM4400 can be used as a standalone scanner or integrated into the most space-constrained products to bring world-class scanning performance to mobile computers, handheld scanners, self-service kiosks, medical and diagnostic instruments and more.

Decode Ranges (Typical)⁶

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 mil	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 mil	.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	2.1 in./5.3 cm to 6.9 in./17.5 cm
Data Matrix: 10 mil	1.1 in./2.8 cm to 9.9 in./25.1 cm
QR: 20 mil	.1 in./3 cm to 17.6 in./44.7 cm

High Performance Scanning

HANDS-FREE CONVENIENCE AND EXTRAORDINARY SPEED

Enable high-volume hands-free scanning from the retail POS and airport boarding gate to the manufacturing production line with the RHINO RM4400. With comprehensive data capture, your workers can scan virtually any bar code including 1D, 2D, PDF, OCR and direct part marks. No matter what type of bar code is presented, or whether it is printed on a paper label, etched into a product or displayed on a mobile phone screen, breakthrough digital imaging technology delivers extraordinary scanning speed. The tiny footprint fits in the most space constrained areas. Workers can choose presentation or trigger-activated mode, providing the flexibility for a wide variety of applications. And while the RM4400 can be integrated into a wide variety of products, its sleek design is just as at home in customer-facing areas, such as a retail counter.

FITS IN THE SMALLEST OF SPACES

SCAN BAR CODES ON PRACTICALLY ANY SURFACE — INCLUDING MOBILE PHONE DISPLAYS Your customers are rapidly adopting mobile bar codes — electronic versions of tickets, boarding passes and loyalty cards that can be carried right in the mobile phone. Since the RM4400 can read bar codes on mobile phone and computer displays, you're ready for this next generation bar code, protecting customer convenience, customer service quality and employee productivity.

Decode Capabilities

1D: UPC/EAN/JAN (A, E, 13, 8); UPC/EAN/JAN (including P2 /P5); UPC/EAN/JAN (including; ISBN / Bookland & ISSN); UPC/EAN Coupons; Code 39 (including full ASCII); Code 39 Trioptic; Code39 CIP (French Pharmaceutical); LOGMARS (Code 39 w/ standard check digit enabled); Danish PPT; Code 32 (Italian Pharmacode 39); Code 128; Code 128 ISBT; Interleaved 2 of 5; Standard 2 of 5; Interleaved 2 of 5 CIP (HR); Industrial 2 of 5; Discrete 2 of 5; Matrix 2 of 5; IATA 2of5 Air cargo code; Code 11; Codabar; Codabar (NW7); ABC Codabar; EAN 128; Code 93; MSI; PZN; Plessey; Anker Plessey; GS1 DataBar Omnidirectional; GS1 DataBar Limited; GS1 DataBar Expanded; GS1 DataBar Truncated; DATABAR Expanded Coupon.

2D: OCR PASSPORT; Datamatrix; Inverse Datamatrix; Datamatrix is configurable for the following parameters Normal or Inverted; Square or Rectangular Style; Data length (1 - 3600 characters); Maxicode; QR Codes (QR, Micro QR and Multiple QR Codes); Aztec; Postal Codes - (Australian Post; Japanese Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RM45CC); Intelligent Mail Barcode (IMB); Sweden Post; Portugal Post); LaPoste A/R 39; PDF-417; MacroPDF; Micro PDF417; GS1 Composites (1 - 12); French CIP13a; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Expanded Stacked; GSI Databar Composites; Chinese Sensible Code; Inverted 2D codesb.

Specification

Physical Characteristics

Dimensions	2 cm H x 4 cm L x 4.7 cm W
Weight	160 g
PowerMaximum	5 VDC +/- 10% @ 450 mA

Performance Characteristics

Sensor Resolution	1280 x 800 Pixels (1MP)
Imager Field of View	SR and DL: 39.6° horizontal, 25.7° vertical HD and DP: 51.4° horizontal, 24.9° vertical
Aiming Element	655 ± 10 nm (VLD)
Illumination	Element 625 ± 5 nm (LED)
Minimum Print Contrast	Minimum 20% absolute dark/light reflectance

Symbology Decode Capability

1D	All major 1-D bar codes
2D	PDF417, DataMatrix, QR Code, Aztec, Composite Codes and MaxiCode
Postal	US Postnet, US Planet, UK Postal, Australian Postal, Japan Postal

User Environment

Operating Temp	-4° to 122° F / -20° to 50° C* (NOTE: Laser aimer disabled above 113° F / 45° C) * See integration guide
Storage Temp.	-40° to 158° F / -40° to 70° C
Humidity	Operating: 95% RH, non-condensing at 50°C Storage: 85% RH, non-condensing at 70°C
Sealing	IP64
Drop Specification	Withstands multiple 30 in./176 cm drops to concrete
Ambient Light	Total darkness to 9000 ft. candles (96,900 Lux)
Programmable Parameters	Power mode, trigger mode, beeper tone, session time,



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