



## MS852 LR

### 2D Imager Long Range Scanner

Purpose built for extended-range work environments, the MS852 LR 2D imager long range scanner features superior performance with a scanning range up to 68 feet from the scan location. The ability to support most 1D and 2D barcodes as well as special barcodes, the MS852 LR enhances its use and provides value for any scanning task. For environments where barcodes are difficult to reach, such as warehouse, yard, field service and manufacturing facility applications, the MS852 LR makes an ideal device.

#### Superior Long-Range Capability

The MS852 LR's built-in advanced megapixel barcode sensor, captures barcodes with a scanning range effectiveness from 2.9 inches (7.6 cm) near on poor quality codes to 68 feet (21 meters) far for high shelf items in warehouses. Users can easily capture long range and distant barcodes on pallets or shelves at extended ranges, enhancing productivity and revolutionizing the way you do business.

#### Intuitive Versatility

Increasing its usefulness, the MS852 LR also supports the majority of 1D and 2D barcodes on mobile screens and special barcode symbologies such as OCR on passports and DotCodes on tires or cigarette packages.

With a high motion tolerance design, the MS852 LR offers increased scan speed and operational effectiveness even while moving. Equipped with a loud beeper and brighter LED indicators, the MS852 LR allows users to recognize feedback easily in dark or noisy environments.

#### Rugged All Day Use

Forged with a tough exterior, the MS852 LR sustains 6.8-foot drops to concrete and protects against dust and moisture with an IP42 rating. Moreover, the built-in long lifecycle trigger of 10 million times ensures continuous productivity for a reliable and durable device.

#### Main Features:

- Superior performance with scan range up to 68 feet (21 meters) away
- Support most 1D / 2D barcode on mobile screens, OCR, and DotCodes
- With excellent motion tolerance design suitable to read bar code while moving
- Long lifecycle trigger design: Up to 10,000,000 times
- Ultra-rugged design: IP42 and 6.8 foot (2.1 m) drop spec
- Loud beeper and brighter LED indicators for easy feedback recognition

### Optical & Performance

Sensor	1280 X 800 global shutter
Aiming Element	655nm
Illumination	Hyper Red 660nm
Ambient Light	10,000 ft. candles (107,639 lux)
Skew Angle	±60°
Pitch Angle	±60°
Roll Angle	0 - 360°
Optical Resolution	3.0 mil (Code 39), 5.0 mil (PDF417)
Printing Contrast Scale	25%
Depth of Field	(DOF PCS=80%) Symbology   Density   Near   Far Code 128, 5 mils   3.55 cm   17.78 cm Code 39, 5 mils   3.05 cm   26.67 cm Code 39, 7.5 mils   3.04 cm   41.91 cm Code 128, 10 mils   3.05 cm   40.46cm UPC, 13 mils   4.57 cm   63.50 cm Code 128, 15 mils   5.08 cm   66.04 cm Code 39, 20 mils   3.56 cm   116.84 cm Code 39, 55 mils   8.64 cm   177.80 cm Code 39, 100 mils   60.96 cm   457.20 cm

### Symbologies

#### 1D

Code 39, Full ASCII, Code 32, Italian Pharmacode, Trioptic, Code 128, EAN-128, ISBT-128, Codabar, Code 11, Matrix 2 of 5, Chinese Matrix 2 of 5, UPC/EAN, UPCA, UPCE, UPCE1, EAN-8, EAN-13, Bookland/ISBN, ISSN, Coupon Code, Interleaved 2 of 5, Discrete 2 of 5, IATA, Databar, Code 93, MSI, UK Plessey, Telepen

#### 2D

PDF Standard, Macro PDF, Micro PDF, Macro Micro PDF, Composite, TLC-39, Aztec, Data Matrix, QR Standard, Micro QR, GS1 QR, Maxicode, Han Xin, Grid Matrix, DotCode, OCR, Japan Postal, Australia Post, Canada Postal, Netherlands KIX Code, US Planet, USPS 4CB/One Code/Intelligent Mail, UPU FICS Postal, Mailmark, French Lottery, Posti4S, Korean 3 of 5

OCR Barcodes  
Data Formatting

Support OCR barcodes  
Prefix, Suffix, Code ID, Reformatting Date

### Communication

Host Interface supported USB

### Mechanical

Dimension 3.4 in x 2.8 in x 6.9 in (87.8 mm x 71.6 mm x 177.7 mm)  
Weight 6.4 oz (184 g) without cable  
Trigger Switch Life 10 million times



MS852LR Hands Free Stand

### Electrical

Operation Voltage  
Current Consumption  
Indicator

4 VDC to 5.5 VDC  
Operating: 710mA Standby: 79mA  
Buzzer, LED

### Environmental

ESD Protection  
Mechanical Shock  
IP Rating  
Operating Temperature  
Storage Temperature  
Relative Humidity

Functional after 8K Contact and 1.5K Air  
7.8 feet (2.4 meters)  
IP42  
14°F to 122°F (-10°C to 50°C)  
-40°F to 158°F (-40°C to 70°C)  
95% non-condensing

### Regulatory

CE, FCC, BSMI, VCCI

### Accessories

Standard Hands Free Stand (Optional)

### Package Contents

Scanner  
USB Interface Cable  
Y cable



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