MS852LR

2D Imager Long Range Scanner

Specially built for extended-range work environment, the MS852LR 2D imager long range scanner features superior performance with the scanning range up to 21m away from the spot. The MS852LR 2D barcode scanner enhances its outstanding value on supporting most 1D / 2D barcodes and special barcodes. It is an ideal choice for the environment where barcodes are difficult to reach, such as warehouse, yard, field service and manufacturing facility applications.

Superior Long Range Barcode Scanner

Built in advanced megapixel barcode sensor, the MS852LR has the ability to capture barcodes with the scanning range from 7.6cm near on a poor quality codes to 21m far on a shelf item in warehouse. With MS852LR long-range scanner, users can easily to capture the barcodes on pallets or shelf at extended ranges that enhances the productivity and revolutionizes the way you do business.

Intuitive and User-Friendly

This device also supports most 1D / 2D barcodes on mobile screens and special barcode symbologies such as OCR on passport and DotCodes on tires or cigarette package. With excellent motion tolerance design, the MS852LR increased scan speed and operational effectiveness even while moving. Equipped with a louder beeper and brighter LED indicators, the MS852LR allows users to recognize the feedbacks easily even in dark environment.

Ultra-Durability

While sustaining a 2.1 meter drop to concrete, MS852LR incorporated with IP42 rugged design for protection against dust and moisture. Moreover, the built-in long lifecycle trigger of 10 million times guarantees a continuous productivity for best reliability.

Features

- Superior performance with the scanning range up to 21m 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 2.1m drop spec
- Louder beeper and brighter LED indicators for easily recognizing feedbacks

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Specifications

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 Sensor	±60°
Roll Angle	0 - 360°
Optical Resolution	3.0 mil (Code 39), 5.0 mil (PDF417)
Printing Contrast Scale	25%
Depth of Field	SYMBOLOGY / X-DIM TYPICAL RANGE* Near Far
	10 mil Code 39 3.0 in / 7.6 cm 85.0 in / 215.9 cm
	13 100% UPC 3.5 in / 8.9 cm 90.0 in / 228.6 cm
	15 mil Code 128 6.0 in / 15.2 cm 100.0 in / 254.0 cm
	20 mil Code 39 4.0 in / 10.2 cm 172.0 in / 436.9 cm
	40 mil Code 39 6.0 in / 15.2 cm 340.0 in / 863.6 cm
	55 mil Code 39 7.0 in / 17.8 cm 430.0 in / 1092.2 cm
	100 mil Code 39 (paper) 20.0 in / 50.8 cm 700.0 in / 1778.0 cm
	100 mil Code 128 (reflective) 30.0 in / 76.2 cm 700.0 in / 1778.0 cm
	DataMatrix 10 5.0 in / 12.7 cm 45.0 in / 114.3 cm
	DataMatrix 55 5.0 in / 12.7 cm 250.0 in / 635.0 cm
	15 mil Code 128 (4 in. wide) 8.0 in / 20.3 cm 100.0 in / 254.0 cm
	100 mil QR Code 15.7in / 40.0 cm 820.7 in / 2085.0cm

Communication

Host Interface supported	USB

Mechanical

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	184g without cable
Trigger Switch Life	10 million times

Electrical

Operation Voltage	4 VDC to 5.5 VDC
Current Consumption	Operating: 710mA Standby: 79mA
Indicator	Buzzer, LED

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 Plessy, 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	Support OCR barcodes
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date

Environmental

ESD Protection	Functional after 8K Contact and 15K Air
Mechanical Shock	2.1M onto concrete (scanner only)
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Relative Humidity	95% non-condensing
IP Rating	IP42

Accessories

Standard Hands Free Stand (Optional)

Package Contents

Scanner
USB Interface Cable
Y cable

Regulatory Approvals

CE, FCC, BSMI, VCCI

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