MS852LR LONG RANGE IMAGER

Kreski

EXTENDED-RANGE
Superior Long Range Barcode Imager

3 YEAR WARRANTY

The Unitech MS852LR is specially built where there is a need for extended-range scanning for items stacked high-up on shelves or scanned from a distance. With its superior scanning performance with a range up to 21m away, or close range from 7.6cm (even on a poor-quality codes) it is the ideal choice for warehousing, field service and manufacturing facilities.

The MS852LR features an advanced megapixel barcode sensor able to read poorly printed barcodes, barcodes displayed on mobile screens and special symbologies such as OCR on id-cards like passports and DotCode on tires or cigarette packages.

The MS852LR will facilitate users to improve their workflow with its advanced scanning capabilities, fantastic motion tolerance and increased scan speed for operational effectiveness, even while moving. Equipped with a louder beeper and brighter LED indicators, the MS852LR allows users to recognize their scans feedbacks easily even in dark environment.

Features
- Specially built for extended-range work environment
- High performance with the scanning range from 7.6cm near on a poor quality barcodes up to 21m away (100mil QR Code).
- Support most 1D / 2D barcode on mobile screens, OCR and DotCodes
- Excellent motion tolerance which is perfect for scanning whilst moving e.g. forklift driver
- Long lifecycle trigger design: Up to 10,000,000 times.
- Ultra-rugged design: 1.8m drop spec standard and 2.2m with optional rubber protection case accessory. Louder beeper and brighter LED indicators for easily recognizing scan feedbacks

WAREHOUSING

FIELD SERVICE

MS852LR
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%

► Reading distance (DOF)*

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

* Depending on width, type and quality of barcode.

► 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

► Environmental

ESD Protection	Functional after 8K Contact and 15K Air
Mechanical Shock	Scanner only: 1.8M onto concrete (without protection case) 2.2M onto concrete (with protection case)
Operating Temperature	-10°C to 50°C
Storage Temperature	-40°C to +70°C
Relative Humidity	95% non-condensing
IP Rating	IP42

► 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: OCR Barcodes
Data Formatting: Data Formatting

► Regulatory Approvals

CE, FCC, BSMI, VCCI

► Accessories

Handsfree stand
Desktop stand (acrylic)
Rubber protection case

► Inside the box

MS852LR imager
2m USB cable (straight, black)
Rubber protection case
Y adaption cable*

*The Y cable is designed for the PC or notebook without USB 3.0 port in order to get additional power supply from two USB 2.0 ports. Or you can just connect MS852LR to a USB 3.0 port directly without Y cable.

► Warranty

3 Years bench warranty (scanner only)
1 Year USB cable

unitech
because we care