

MS852B LR

BLUETOOTH LONG RANGE IMAGER

EXTENDED-RANGE

Superior Bluetooth Long Range Barcode Imager



The Unitech MS852B-LR 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 MS852B-LR 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 MS852B-LR 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 MS852B-LR 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).
- Excellent motion tolerance design suitable to read bar code while moving (55 fps).
- Wireless transmission range up to 100m in the line of open sight.
- Support Bluetooth® dual-mode technology (Bluetooth LE® V4.2 & Bluetooth® 2.1+EDR, Class 1).
- Auto Bluetooth pairing / auto switch between trigger & presentation mode with cradle.
- Advance 1D and 2D barcode reading, even from mobile screens, OCR, Dot Codes and Digimarc.
- 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 rubber protection case accessory.
- Louder beeper and brighter LED indicators for easily recognizing scan feedbacks.

WAREHOUSING



FIELD SERVICE





unitech

because we care

Bluetooth EN Version 1.1

MS852B-LR

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

SYMBOLGY / 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	15.7 in / 40.0 cm	820.7 in / 2085.0cm

* Depending on width, type and quality of barcode.

Communication

Radio	Bluetooth LE® V4.2 & Bluetooth® 2.1+EDR, Class 1, Dual mode
Wireless Coverage	100m (line of sight)
Interface/ Profile	Serial Port and HID profiles
Host Interface supported	USB, RS232
Memory Buffer	7MB for batch mode 20KB for auto mode

Operation mode

Trigger Mode, Presentation Mode, Buffer Mode

Mechanical

Dimension	878 L x 71.6 W x 177.7 H (mm)
Weight	233g (without cradle)
Trigger Switch Life	10 million times
Cradle Dimension	120.6 L x 88.7 W x 86.0 H (mm)

Electrical

Indicator	LED & Beeper & Vibrator
Battery Type	Rechargeable & replaceable battery pack
Battery Capacity	2850mAh
Battery Charging time	<6.5 hours
Operating Time	>12 hours Up to 50,000 scans at 1 scan/5 second

Regulatory Approvals

CE, FCC, BSMI, VCCI, NCC, TELEC, BQB

Environmental

ESD Protection	Functional after 8K Contact and 15K Air
Operating Temp.	- 10°C to 50°C
Storage Temp.	- 40°C to +70°C
Relative Humidity	5% non-condensing
IP Rating	IP42
Mechanical Shock	1.8M onto concrete (without protection case) 2.2M onto concrete (with protection case)

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

Accessories

- Handsfree stand
- Desktop stand (acrylic)
- Rubber protection case
- Cradle without cable
- USB cable for cradle
- Battery for MS852B-LR

Inside the box

- MS852B-LR imager with battery
- Cradle
- USB-cable for cradle
- Rubber protection case



Warranty

5 Years bench warranty (scanner only)

Unitech Europe

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