MS842RB Wireless 2D imager

Long range Bluetooth coverage (up to 100m)

Able to read 1D and 2D barcodes this scanner provides the maximum wireless Bluetooth coverage, providing extraordinary scanning freedom up to 100m from its base. The MS842RB Bluetooth 2D imager covers it all, by combining reading performance, mobility wireless design and durability at an affordable price. This MS842RB is the ideal scanning solution for a wide-range of applications and industry sectors.

Discover the possibilities of the 2D Bluetooth Unitech MS842RB imager. Improve working efficiency of barcode capturing at the fullest!

Best-in-class performance
The scanner supports all 1D and 2D barcodes and boasts impressive features such as broad illumination range, high frame rate, wide skew and pitch angles, all of which combine to deliver a high level of efficiency. By incorporating a high-speed decoder and high-performance engine, the MS842RB can read reverse barcodes and reads barcodes from mobile phone screens and paper in any orientation.

The MS842RB offers a long-range Bluetooth coverage (capable to read up to 100m from the base station) to improve operator efficiency, it can be used in many practical ways, depending on the scanning task surroundings, where users can move without restrictions for real-time data connection, while maintaining comfort over long periods of use. The MS842RB stores data automatically in a buffer mode while it is out of range of the wireless signal and uploads the data when it gets back into range.

Beyond its versatility, the desktop charging cradle is provided to store and recharge the scanner, as well as to check the charging status by the power LED indicators.

Endless convenience
The MS842RB is easy to operate. Great technical features combined with light weight (206g), comfort grip and ergonomic design, makes this MS842RB easy to carry around and comfortable to use. In addition, this scanner offers flexibility due to its multiple scanning modes such as, trigger-, presentation and buffer mode.

Featuring a rugged design, the MS842RB scanner is rated IP42 for environmental protection and has a high 1.8m drop specification, making the scanner very durable. A trigger switch designed for 10 million scans ensures the MS842RB delivers productive use over a long period of time.

The MS842RB supports HID and SPP protocol. In addition, the cradle can be mounted to a desk or wall, with no additional accessories required and offers a page-calling feature, ideal for scanner tracking.

This MS842RB is designed to meet the majority of the scanning requirements at an affordable price and low total cost of ownership!

Features:
• Support all 1D and 2D Barcode reading
• Reads video reversed, mobile screen barcodes – in any direction. and video reversed barcodes
• Rugged and durable design with IP42 and 1.8m drops B
• Buffer mode: Memory function when out-of-range reading
• Long Bluetooth coverage (up to 100m)
• Pager function (track scanner)
• Multi-function cradle: Desk- and wall mount cradle with cable guidance groove and adjustable wedge (grip on scanner when wall mounted) and adjustable antenna.

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Antenna - *Capable to read up to 100m from the base station, when in line of sight.*

2D imager
reads barcodes in any dirction and from mobile screens.

Page button
Tracking scanner

Operational & Performance

Receiving Device	CMOS sensor with 640 x 480 pixel-
Light Source	White LED with CCT 5000K
Ambient Light	0–100,000 lux
	(total darkness to bright sunlight)
Motion Tolerance	Up to 10 cm/s (4 in/s) for
	13 mil UPC at optimal focus
Typical frame rate	30 frames per second
Skew Angle	+/-45°
Pitch Angle	+/-45°
Printing Contrast Scale	Printing Contrast Scale

Reading distance (DOF)

(DOF PCS = 80%)

RS	near	far
100% U.P.C.	55mm	280mm
Code 39, 5 mil	61mm	130mm
Code 39, 20 mil	60mm	380mm
PDF417, 6.7 mil	60mm	125mm
Data Matrix, 10 mil	60mm	130mm
QR, 20 mil	50mm	230mm

Symbologies

1D:

Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data bar

2D:

2D Stacked:	Codablock A, Codablock F, PDF417, MicroPDF417
2D Matrix:	Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible(Han Xin) code
Postal Codes:	Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet

Operation mode

Trigger mode, presentation mode, buffer mode

Power Source

Operation Voltage	DC 3V to 5V
Battery Type	Lithium-ion
Battery Capacity	1620mAh
	(charged via cradle)
Battery charging time	Fully charged in 4.5 hrs
Operating Time	Over 10 hrs.

Enclosure

Dimension	Scanner: 176 x 74 x 89 mm
	Cradle: 73 x 95 x 200 mm
Weigh	Scanner: 206g (without cable)
	Cradle: 282g
Switch life	10 million time

Environmental

Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 70°C
Humidity	5% to 90% non-condensing
Drop Durability	1.8M (scanner only)
Sealing	IP42
ESD Protection	Functional after 8K Contact and 12K Air

Communication

Radio Frequency	Bluetooth v2.1 EDR
	Unlicensed 2.4GHz,
Protocol	Wireless, SPP & HID profiles
Range	100m (line of sight)
Host Interface supported	USB (via cradle)

Regulatory approvals

CC,BSMI,VCC

Accessories

Desk- and wall mount cradle
Power adapter
Interface cable

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