# MS838B

## 2.4G Wireless 2D Imager Scanner

100 M Connection | Keeps data even out of range | 16 hours operation time

Delivering reliable performance and affordable price, the MS838B wireless 2D imager scanner combines superior 1D and 2D barcode scanning with the freedom of wireless technology. The well-integrated mobility design allows users to move around without being restricted, while supporting high comfort over long periods of operation. This cost-effective and reliable handheld scanner provides the optimum combination of performance that makes it an ideal scanning tool for a wide range of market applications, such as point-of-sale, personal data identification and inventory control.

**Move without Restrictions**

Design for mobile workers, the MS838B comes with a USB dongle that enables users to capture barcodes with freedom wireless connection. Easy plug-and-play function, the MS838B pairs easily to laptops or PCs without complicated set-up. Besides, it allows users to transmit data to the host from up to 100 meters from the base via 2.4G wireless communication. When it is out of range, the MS838B barcode scanner can store 40,000 EAN codes in memory and upload them to your devices at your own convenience. It allows associates to capture barcodes from the checkout counter or checking your store's inventory in the retail store without restrictions.

**Reliable 2D Scanning Performance**

Quickly and accurate capturing most 1D and 2D barcodes or coupon displayed on the phone, the MS838B helps retail cashier to checkout without any frustration. It delivers great performance up to 60 fps per second as well as capturing high density with a 4 mil resolution and a scanning width up to 180mm. It is suitable to streamline everyday processes in supermarket, retail store and warehouse applications.

**Durable**

Furthermore, it has an IP54 rating for dust and water resistance as well as a 1.5 meter drop spec that provides superior durability and reliability. Combining high performance and compact design, M838B gives mobile worker conveniently and safely while on the go.

**Features**

- 2.4G wireless transmission range up to 100m in the line of open sight.
- Reads all major 1D and 2D barcodes including printed and digital
- Long battery life up to 16 hours per a fully charged battery
- Plug and play, convenient to use
- Durable, Compact and Long life trigger design
- Rugged design by IP54 and 1.5m drops
- Buffer mode for out-of-range reading
- Instant decoding feedback: LED, Buzzer indicators

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# MS838B
## Specifications

### Optical & Performance

| | |
|---|---|
| Sensor | CMOS Sensor,640 x 480 pixels |
| Aiming Element | 25 nm LED |
| Illumination | Color temperature 3500 k |
| Ambient Light | 0-10000 Lux |
| Scan Rate | 60 fps/s |
| Skew Angle | ±65° |
| Pitch Angle Sensor | ±65° |
| Roll Angle | 360° |
| Memory | 16MB |
| Optical Resolution | 4mil（code 39） 7mil（QR） |
| Depth of Field | 4mil code39 Near 3.5cm Far 18cm<br>7mil QR Near 5cm Far9cm |

### Communication

| | |
|---|---|
| Radio | 2.4G Wireless |
| Wireless Coverage | 2.4G: 100M( line of sight) |
| Interface/ Profile | 2.4G:USB<br>Bluetooth: HID, BLE ,SPP |
| Host Interface supported | USB |

### Mechanical

| | |
|---|---|
| Dimension | 170mm × 73mm × 102mm (L x W x H) |
| Weight | 200g |

### Functionality

| | |
|---|---|
| Operation Mode | Trigger Mode, Presentation Mode, Buffer Mode |

### Regulatory Approvals

CE, FCC, BSMI, VCCI

### Symbologies

| | |
|---|---|
| 1D | Codabar, Code11, Code39, Code32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code93, Code128, GS1-128, UPC-A, UPC-E, EAN 8, EAN 13, GS1 DataBar (RSS14), GS1 DataBar Limited, GS1 DataBar Expanded, etc |
| 2D | PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec Code |
| Data Formatting | Prefix, Suffix, Code ID |

### Electrical

| | |
|---|---|
| Operation Voltage | DC 5V |
| Current Consumption | Operation mode:＜250mA<br>Standby mode:＜1mA |
| Indicator | Buzzer LED light |
| Battery Type | Lithium-ion |
| Battery Capacity | 2600mAh 18650 battery |
| Battery Charging time | Fully charged in 6 hours |
| Operating Time | Over 16 hours |

### Environmental

| | |
|---|---|
| Mechanical Shock | 1.5m onto concrete (scanner only) |
| Operating Temperature | -10°C to 50°C |
| Storage Temperature | -20°C to 60°C |
| Relative Humidity | 5% to 95% non-condensing |
| IP Rating | IP54 |

### Package Contents

MS838B scanner
2.4G Dongle
USB Charging Cable


**Headquarters**
Taipei, Taiwan
http://www.ute.com e-mail: info@hq.ute.com

**unitech America**
Los Angeles
http://us.ute.com e-mail: info@us.ute.com
http://can.ute.com info@can.ute.com
Mexico
http://latin.ute.com e-mail: info@latin.ute.com

**unitech Asia Pacific & Middle East**
Taipei
http://apac.ute.com info@apac.ute.com / info@india.ute.com
http://mideast.ute.com info@mideast.ute.com

**unitech Europe**
Tilburg / Netherlands
http://eu.ute.com e-mail: info@eu.ute.com

**unitech Japan**
Tokyo
http://jp.ute.com e-mail: info@jp.ute.com

**unitech Greater China**
Beijing, Shanghai, Guang Zhou, Xiamen
http://cn.ute.com info@cn.ute.com
Taipei http://tw.ute.com info@tw.ute.com



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