



# MS842R

## 2D Barcode Reader



Combining low weight, a rugged and durable design and various operating modes, MS842R barcode reader is ideal for a wide range of applications and industry sectors.

### Best-in-class performance

Incorporating a high-speed decoder and high-performance engine, the MS842R scanner delivers top performance. Designed for a wide range of demanding scanning applications (inventory management, ticket management, access verification, etc.), the scanner supports all 1D and 2D barcodes and boasts impressive features such as broad illumination range, high frame rate, and wide skew and pitch angles, all of which combine to deliver a high level of efficiency.

### Designed to last

Featuring a rugged design, the MS842R 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 times of use ensures the MS842R delivers productive use for a long period of time. Ease of use is further enhanced by the scanner's low weight of just 240g, which makes the scanner easy to use and carry around.

### Wide range of applications

With its support for a broad variety of linear, 2D stacked, 2D matrix and postal codes the MS842R scanner is well-suited for a wide range of applications and industry sectors. Its three operation modes – handheld, auto-sense, presentation – make the scanner suitable for use in the most practical way, depending on the scanning task. This is enhanced by its improved reading performance in sunlight, and its support for poorly printed barcodes and mobile screen reading.

### Features

- Support all 1D and 2D Barcode reading
- High reading performance in the sunlight
- Design for reading barcode on mobile screen
- Rugged and durable design with IP42 and 1.8m drops
- Versatile mode to meet different application need
- Regulation approvals: CE/ FCC/VCCI/ BSMI



# MS842R

## 2D Barcode Scanner

### Optical & 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	±45degrees
Pitch Angle	±45degrees
Printing Contrast Scale	35% minimum print contrast ratio
Reading Distance (DOF PCS=80%)	

SR	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

### Electrical

Operation Voltage	DC 5V
Current Consumption	Operation mode: 400mA , Standby mode: 160mA

### Mechanical

Scanner Dimension	176 x 74 x 89 mm
Scanner Weigh	160g (w/o cable)
Switch life	10 million time

### Functionality

Symbologies	Linear: 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 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

### Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.8m onto concrete (scanner only)
IP rate	IP42
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 70°C
Relative Humidity	95% relative humidity,

### Communication

Interface	USB
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### Regulation Approvals

CE, FCC, BSMI, VCCI

### Accessories

Hand-free stand
Interface cable

### What comes in the box

MS842R Scanner
Interface cable



#### unitech America

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