



MS842E

2D Barcode Reader

The new Unitech MS842E handheld area imager scanner features a lightweight, durable design with a level of versatility and reliability not commonly found in a scanner at its pricepoint.

Best-in-Class Performance

Incorporating a high-speed decoder and high-performance engine, the MS842E scanner delivers top performance. Designed for a wide range of demanding scanning applications (retail 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.

Built to Last

Featuring a rugged design, the MS842E scanner is IP42-rated for environmental protection against moisture and dust, and is built to withstand 6-foot drops to concrete. The scan trigger has a lifespan exceeding 10 million scans to ensure years of consistent performance. And at 8 ounces in weight, the MS842E is extremely easy to handle for virtually fatigue-free use.

Wide Range of Applications

With its ability to read a wide range of linear, 2D stacked, 2D matrix and postal codes, the MS842E is well-suited for a wide range of applications. The MS842E offers three operation modes: handheld, auto-sensing, and presentation; and features enhanced scanning performance in sunlight and lowlight for both printed barcodes and digital barcodes on the screens of mobile devices.

Main Features:

- Reads all 1D and 2D barcodes
- High performance scanning in sunlight
- Scan barcodes on the screens of mobile devices
- Rugged design: protected against moisture, dust and drops
- Various scanning modes for different scanning needs
- Regulatory approvals: CE / FCC / VCCI / BSMI

MS842E

Specifications



Optical & Performance

Receiving Device	CMOS sensor (640 x 480 pixels)
Light Source	White LED with CCT 5000K
Ambient Light	0–100,000 lux (total darkness to bright sunlight)
Motion Tolerance	Up to 100 cm/sec (4 in./sec) for 13 mil UPC at optimal focus
Typical frame rate	30 frames per second
Skew Angle	±45 degrees
Pitch Angle	±45 degrees
Printing Contrast Scale	35% minimum print contrast ratio
Reading Distance	DOF PCS = 80%

SR	near	far
100% UPC	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

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

Electrical

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

Mechanical

Scanner Dimension	6.93"H x 2.91"W x 3.50"D
Scanner Weight	7.3 ounces
Switch life	10 million scans

Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	6 ft onto concrete (scanner only)
Operating Temperature	32°F to 122°F
Storage Temperature	-22°F to 158°F
Relative Humidity	5% to 90% non-condensing
IP Rate	IP42

Communication

Interface	USB
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Accessories

Hands-free stand
Interface cable

Regulatory Approvals

CE, FCC, BSMI, VCCI

Warranty

1 year



Specifications subject to change without notice.

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