



# MS842e

## 2D Imager Scanner



The MS842e 2D handheld scanners featuring the industry's superior 2D imaging technology, and combining with rugged material and compact design, the device is a cost-effective and reliable tool for enterprises to streamline processes in a broad variety of markets and applications.

### Affordability and Durability

For most benefits in enterprise environment, MS842e is built for affordability and durability into your business workforce. Featuring an IP42 environmental sealing against moisture and dust and a high 1.8M drop specification, MS842e could survive even in accidents happen in every business surrounding. If one of your employees drops the MS842e (on concrete), he/she can pick it up and continue scanning without any problem. No downtime, no replacement, no service needed. The long life trigger design of 10 million times guarantees a continuous productivity for a long period of time.

### Efficiency at highest level

Due to the high speed decoder and high performance engine this MS842e 2D scanner is one of the efficient scanning solution in its class. It can easily be used in high demanding scanning applications like ticket management or security during events, industrial shipment management and inventory management in pharmacies. Users can depend on this efficient scanner without hesitation, wherever it is being used. The large decode distance, wide scan angles and buzzer ensures a high efficiency level.

### Practical and compact

Many tasks in warehousing, retail and transportation surroundings include a lot of scanning activities. By weighing only 200 grams the MS842e is very user friendly, also over a longer period of time. The ergonomic and compact design will ease the scanning tasks additionally. Due to two operational modes: trigger mode and presentation mode, this scanner can be used in the most practical way depending on the scanning task.

### Features

- Affordable price with industrial class benefits
- High performance engine & decoder
- Supports all 1D and 2D barcodes
- Long life trigger design
- Durable rugged scanner: IP42 and 1.8 drop spec.
- Lightweight: only 200 grams

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### Optical & Performance

Receiving Device	EM2037 2D engine
Light Source	620-630nm LED
Sensor	CMOS
Resolution	752x480
Skew Angle	±50 degrees
Pitch Angle	±50 degrees
Ambient Light Immunity	100,000 lux (full sunlight) candles

#### Reading Distance

Maximum Bar Size	Symbology	SR	ER
5mil	Code 39	6.5 - 18 cm	10.5 - 25 cm
6.67mil	PDF417	4.8 - 18.5 cm	10 - 21 cm
10mil	Datamatrix	4 - 18 cm	9 - 21 cm
13mil	UPCA	5 - 32 cm	6 - 41 cm
20mil	Code 39	3.5 - 45 cm	5 - 64 cm
20mil	QR	3.2 - 30 cm	4.2 - 39.5 cm

### Functionality

Symbologies 1D:Code128, EAN-13, EAN-8, Code39, UPC-A,UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code93, UCC/EAN-128, GS1 Databar

2D:PDF417, QR Code(Model 1/2), DataMatrix(ECC200, ECC000, 050, 080,100,140), Aztec, Maxicode,

Operation Mode Trigger Mode, Presentation Mode  
Data Formatting Prefix, Suffix, Code ID, Reformatting Date

### Electrical

Operation Voltage DC 3.3V  
Current Consumption Operation mode: <450mA , Standby mode: <75mA

### Mechanical

Dimension 176 x 74 x 89 mm  
Weigh 200g (without cable)

### Environmental

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

### Communication

USB interface



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