



## MS842

### 2D Imager Scanner

The Unitech MS842 combines efficiency, durability and reliability into a compact, lightweight handheld scanner. Supporting all common 1D and 2D barcodes, the MS842 can be used in a wide variety of markets and applications.

#### Efficiency at the highest level

With the seamless integration of its high-performance decoder and scan engine, the MS842 provides one of the most efficient scanning solutions in its class. It excels in demanding applications like event ticket scanning and security, industrial shipment management and inventory control in pharmacies. Featuring an extended depth of field, wide scan angle and aggressive scan rate, the MS842 provides performance and reliability wherever it is used.

#### Durability & low cost of ownership

Accidents happen in every business setting, and the MS842 is ruggedly designed to perform under adverse conditions. With its durable construction, the MS842 can withstand a 6-foot fall to concrete. So, if a worker happens to drop their scanner, they can pick it up and continue scanning without interruption. No downtime, no replacement, and no service needed. The MS842 also features an IP42-rated environmental seal against moisture and dust, and an extended-life trigger design that guarantees 10 million scans before failure.

#### Practical and compact

Certain industries, such as retail and transportation, consist of very scan-intensive work environments. At a mere 7 ounces, the MS842 is very user friendly and ideal for those tasks that require high volume scanning. The ergonomic and compact design reduces fatigue and ensures user comfort during periods of extensive scanning. And with two operational modes, trigger mode and presentation mode, the MS842 simply allows users the freedom to do more.

#### Main Features:

- High performance engine & decoder
- Supports all 1D and 2D barcodes
- Long-life trigger design
- Scans mobile phones and computer displays
- Durable construction: IP42 seal / 6-foot drop threshold
- Lightweight: 5.9 oz without USB cable / 7 oz with USB cable

### Optical & Performance

Receiving Device	Image Sensor, 752 x 480 pixels
Light Source	Illumination : 625 nm LED Aiming : 655 nm VLD
Max. Resolution	SR: 5 mil (code 39), 6.7 mil (PDF417) HD: 3 mil (code 39), 4 mil (PDF417)
Skew Angle	±60 degrees
Scan Angle	±60 degrees
Reading Distance	(DOF PCS=80%)

SR	near	far
Code 39, 5mil	5.3cm	19.1cm
PDF417, 6.7mil	8.6cm	18.0cm

SR	near	far
Code 39, 3mil	4.1cm	9.7cm
PDF417, 4mil	4.6cm	18.0cm

\*=dependent on width of bar code

### Functionality

Symbologies	1D: Code 39, Full ASCII Code39, Interleave 2 of 5, Standard 2 of 5, UPC A/E, Delta Code, Label Code, MSI/ Plessy, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32, Toshiba Code, GS1 databar Code.  2D: PDF417, MicroPDF417, Datamatrix, QR Code, Micro QR Code, Aztec, RSS , Composite, TLC -39, MaxiCode. Postal: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX)
Operation Mode	Trigger mode, Auto scan mode
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date

### Electrical

Operation Voltage	5VDC ±0.25V
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 ounces (without cable)
Switch life	10 million time

### Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.8m onto concrete (scanner only)
Operating temperature	0°C to 50°
Storage temperature	-30°C to 70°C
Relative Humidity	95% non-condensing
IP rate	IP42

### Communication

USB, RS232

### Accessories

Hand-free stand  
Interface cable

### Regulatory Approvals

CE, FCC, BSMI, VCCI



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