# MS842
## Combine the best

The Unitech MS842 combines efficiency, durability and reliability into a compact, lightweight handheld scanner. Supporting all common 1D and 2D barcodes, the MS842 provides sereval solutions to help medical professionals, hosptals, and pharmacies manage and control their inventory. Even the smallest high-density barcodes on medicine packaging are fully supported with the Unitech MS842 HD option!

### 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 can be easily used in high demanding healthacere and pharmaceutical applications like blood bag scanning, inventory management, etc. With 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 even withstand a 1.8 meter drop 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 a long life trigger design that guarantees 10 million scans.

### Practical and compact
Certain applications, such as medical inventory management, consist of very scan-intensive circumstances. With the weight of just 210 grams, 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 intensive scanning operations. 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
- Durable rugged scanner: IP42 and 1.8 drop spec.
- Lightweight: only 210 grams
- High reading distance

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### because we care

## ► Operational & Performance

| | |
|---|---|
| Technology | Image sensor, 752 x 480 px |
| Light source | Illumination: 625nm LED |
| | Aiming: 655nm VLD |
| Max. resolution | SR: 5mil (code 39) - 6,7mil (PDF417) |
| | HD: 3mil (code 39) - 4mil (PDF417) |
| Scan rate | 100 scans/sec |
| Reading angle | Skew: 60˚ |
| | Pitch: 60˚ |
| Reading distance | (DOF PCS80%) |

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

| HD | near | far |
|---|---|---|
| Code 39, 3mil | 4.1cm | 9.7cm |
| PDF417, 4mil | 4.6cm | 8.9cm |

* = dependents on width of barcode

## ► Symbologies

Decode Capability

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).

## ► Power Source

| | |
|---|---|
| Operation voltage | DC 3V to 5V |
| Consumption | Operation mode: <400mA |
| | Standby mode: <160mA |

## ► Data Formatting

Prefix, Suffix, Code ID, Reformatting Date

## ► Operation mode

Trigger mode, Presentation mode

## ► Connectivity

USB, RS232

## ► Enclosure

| | |
|---|---|
| Scanner dimension | 176mm x 74 mm x 89mm |
| Scanner weight | 210g (without cable) |
| Switch life | 10 million time |

## ► Environmental

| | |
|---|---|
| Operating temperature | 0˚C to 50˚C |
| Storage temperature | -30˚C to 70˚C |
| Relative humidity | 95% non-condensing |
| Drop test to concrete | 1.8 meter (scanner only) |
| IP rate | IP42 |
| ESD protection | Functional after 8K contact and 12K air |

## ► Accessories

Hands Free Stand
Interface cable

## ► Warranty

1 year

## ► Regulatory approvals

CE, FCC, BSMI, VCCI

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