



# MS842H

## 2D Healthcare Imager

The Unitech MS842H (healthcare version of the MS842 series) combines efficiency, durability and reliability into a compact, lightweight handheld scanner. Constructed with an antimicrobial enclosure for the needs of healthcare, caregivers can rely on this scanner without hesitation wherever it is used. The long decode distance, wide scan angles and buzzer ensure a high efficiency level.

### MS842H helps healthcare professional to make workflows more effective.

#### Healthcare environment

The MS842H is designed with the healthcare environment in mind. Its lightweight and ergonomic design delivers a comfortable experience for long periods usage, offering flexibility for customization and easy configuration.

The MS842H provides greater productivity and efficiency with its fast and accurate scanning engine, antimicrobial housing and rugged design. Equipped with an high speed decoder and high performance engine, this MS842H healthcare scanner is one of the most efficient scanning solutions in its class.

The Unitech MS842H can easily be used in high demanding scanning applications like inventory management in pharmacies or ID checking management in patient rooms.

#### Comprehensive data collection

The MS842H is a great tool to improve productivity. Its long working range and wide scan field make sure users can easily read small, high density 1D and 2D barcode symbologies on patient ID wristbands, blood bags or medication labels. The MS842H provides performance and reliability wherever it is used.

#### Rugged Design with antimicrobial enclosure

Capable to withstand a multiple 1.8m drops to concrete and IP42 rated against water and dust, the MS842H also features antimicrobial materials embedded in the enclosure which provides protection against blood, alcohol, water, bacteria and microbes. The MS842H is disinfectant-ready to allow safe wipe-downs and sanitizing after usage.

#### Main Features MS842H

- Antimicrobial housing for healthcare environment
- Top quality engine & decoder
- Reads high-density 1D and 2D barcodes
- Ergonomic design
- Lightweight: only 200 grams
- Durable robust design: IP42 and 1.8 drop spec.
- Long life trigger design



# V1 MS842H

## Specifications

### Operational & Performance

Technology	CMOS Imager sensor
Light source	LED (620-630nm)
Resolution	752 x 480
Ambient Light Immunity	Max. 100,000 Lux
Reading angle	Skew: $\pm 50^\circ$ Pitch: $\pm 50^\circ$
Reading indicators	Beeper (adjustable tone)

### Reading distance (DOF)

High Density (HD)	
3.3mil Code 39	45mm ~ 105mm
5mil Code 39	40mm ~ 105mm
5mil PDF417	40mm ~ 90mm
6.7mil Data Matrix	40mm ~ 60mm
Min. 1D Barcode Density	3.3mil
Min. 2D Barcode Density	5mil

\* = dependents on width of barcode

### Symbologies

Decode Capability	1D: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, OCR-B, 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.
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### Power Source

Operation voltage	DC 3.3V
Consumption	Operation mode: <450mA Standby mode: < 75mA

### Data Formatting

Prefix, Suffix, Code ID

### Operation mode

Trigger mode, Presentation mode

### Connectivity

USB

### Enclosure

Scanner dimension	176mm x 74 mm x 89mm
Scanner weight	200g (without cable)
Switch life	10 million time

### Environmental

Operating temperature	0°C to 50°C
Storage temperature	-20°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  
USB cable  
RS232 cable  
Power Supply for RS232 interfaces

### Warranty

1 year

### Regulatory approvals

CE, FCC

### Unitech Europe

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