MS842
Combine the best

This 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. Even the smallest high-density barcodes 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 applications like event ticket scanning and security control, industrial shipment management, 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 work 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 MS842 (version)
- High performance and fast engine & decoder
- Supports all 1D and 2D barcodes and optional HD reader
- Long life trigger design
- Comfort and flexibility: trigger and presentation mode
- Durable rugged scanner: IP42 and 1.8 drop spec.
- High quality scanner with a laser based Aiming beam (Laser cross line)
- Lightweight: only 210 grams
- High reading distance and scan angle
- Auto-sensing mode for or energy saving and hands-free operation.

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Operational & Performance

Technology	CMOS Imager sensor
Light source	Illumination: LED (625nm)
	Aiming: Laser (655nm)
Resolution	752 x 480
Ambient Light Immunity	Max. 95.000 Lux
Reading angle	Skew: ±60˚
	Pitch: ±60˚
Reading indicators	Beeper (adjustable tone)

Reading distance (DOF)

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

High resolution	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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