



MS842DPM

Reliable corded 1D, 2D and DPM scanning at a complete price!

The Unitech MS842DPM is a high-end scanner which offers the maximum in data capture flexibility. This scanner is able to capture 1D, 2D and barcodes marked with the DPM technology.

DPM technology (Direct Part Marking)

Direct Part Marking is a process that allows users to mark a barcode directly on an item instead of printing the barcode on a label, such as plastic and metal.

There are three main technologies available for DPM: laser etched marking, dot peening and ink jet printing, with the intent to create a permanent identifier for the item. The permanent nature of the marking, assures that the item can be identified throughout its full life-cycle during the supply chain, even while being exposed to harsh environmental conditions.

When it comes to identifying DPM parts throughout the manufacturing process, tracking your valuable assets through their lifecycle or quality control – the Unitech MS842DPM really gets the job done! The MS842DPM is the ideal solution for the Manufacturing, automotive, aeronautical, medical care, electronic equipment and healthcare markets, where assets are critical.

Great reading capabilities and durability

The MS842DPM is designed to specifically address to scan-intensive and DPM applications. The high-performance imager is capable of scanning very fine marks (as 3 mils code 39 and 4 mils for PDF147 codes).

The MS842DPM is built to last with unrivaled performance and quality. Featuring an IP42 environmental sealing against moisture and dust and a high 1.8M drop specification, this scanner is

constructed to handle harsh environments. The long-life trigger is designed to withstand over 10 million scans and offers continuous productivity over a long period of time.

Lightweight design

It's ergonomically designed, which features a comfort grip and light-weight (only 170 grams), makes the MS842DPM easy to operate over a longer period. In addition, by supporting trigger mode, presentation mode and DPM modes (for optimised decoding performance), this scanner can be used in the most practical way depending on the scanning task.

The flexibility of this MS842DPM scanner translates into increased productivity while keeping cost down.

Features:

- High performance engine & decoder (1280 x960 sensor and reads 1D, 2D and direct part marking (DPM) barcodes.
- Direct Part Marking (DPM) – reads laser-etched, dot peen and laser-inked marking.
- Durable and rugged design: Long life trigger design, 1.8m drop spec and IP42 housing protection.
- Ergonomic and lightweight (170g) design for operator comfort.
- Trigger and presentation mode for hands-free or handheld operation (stand optional).
- Easy to use. High visibility illumination (2x white LED's)
- Supports reading various sized objects (60° skew/pitch angles).



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Specifications



Operational & Performance

Receiving Device	Image Sensor, 1280 x 960 pixels
Light Source	Illumination: 2* Warm white LEDs
	Aiming: 655 nm VLD
Max. Resolution	HD: 3 mil (code 39), 4 mil (PDF417)
Skew Angle	60°
Pitch Angle	60°

Reading distance (DOF)

(DOF PCS = 80%)

Label / DOF	near	far
3 mil Code 39	1.7 in./4.3 cm	4.3 in./10.9 cm
5 mil Code 128	1.7 in./4.3 cm	4.3 in./10.9 cm
5 mil PDF417	1.7* in./4.3 cm	4.7 in./11.9 cm
6.67 mil PDF417	1.9 in./4.8 cm	4.0 in./10.2 cm
10 mil DataMatrix	1.6 in./4.1 cm	4.9 in./12.4 cm
5 mil QR Code	1.9 in./4.8 cm	4.0 in./10.2 cm
10 mil QR Code	1.1 in./2.8 cm	5.0 in./12.7 cm
100% UPCA	2.4* in./6.1 cm	7.3 in./18.5 cm

Symbologies

1D:

Code 39, Full ASCII Code39, Interleave 2 of 5, Standard 2 of 5, UPC A/E, Delta Code, Label Code, MSI/ Plessey, 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, presentation mode.

Power Source

Operation Voltage	DC 3V to 5V
Operation mode:	<400mA
Standby mode:	<160mA
Power Down Current (Sleep Mode)	< 200uA

Enclosure

Dimension	176 x 74 x 89 mm
Weigh	170g (without cable)
Switch life	10 million time

Environmental

Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 70°C
Humidity	95% non-condensing
Drop Durability	1.8M
Sealing	IP42

Communication

USB, RS232

Accessories

Hands-free stand (optional)
Interface cable

Regulatory approvals

CE, FCC, BSMI, VCCI

