



# MS852 Plus

## 2D Imager Scanner



Delivering the superior barcode scanning performance, the new unitech MS852+ 2D barcode scanner is suitable for a wide range of markets and applications, from mobile ticketing in airports, point-of-sale system or mobile coupons in retail store to industrial purpose manufacturing scanning.

### Increase Productivity with Superior Industrial Barcode Scanner

Specially built for challenging work environment, the MS852+ is built in Megapixel barcode sensor that enhances the maximum compatibility to capture most 1D / 2D barcodes on mobile screens, even damaged or poorly printed barcodes and special barcode symbologies such as OCR on passport, Dot codes on tires or cigarette package, and Digimarc barcode on special retail packages. MS852+ also can automatically populate electronic forms in a single scan from US driver's licenses or ID card. With its advanced barcode technology and durable design, the MS852+ handheld scanner is a highly reliable tool to increase productivity and efficiency.

### Intuitive and User-Friendly

With excellent motion tolerance design, the MS852+ increased scan speed and operational effectiveness even while moving. Featuring an automatically switching function for best customer experience, the handheld device can be detected via sensor on the stand to switch auto-sensing mode or trigger mode. Equipped with a louder beeper and brighter LED indicators, the MS852+ allows users to recognize the feedbacks easily even in dark environment.

### Ultra-Durability

While sustaining a 2.1 meter drop to concrete, MS852+ incorporated with IP42 rugged design for protection against dust and moisture. Moreover, the built-in long lifecycle trigger of 10 million times guarantees a continuous productivity for best reliability. This scanner can be used in the most practical way depending on the scanning task in various solutions in retail, logistics, manufacturing, hospitality, and government.

### Features

- Megapixel barcode sensor that enhances the maximum compatibility
- Support most 1D / 2D barcode on mobile screens, even damaged or poorly printed barcodes
- Support OCR, Dot codes, and Digimarc barcodes
- With excellent motion tolerance design suitable to read bar code while moving
- Long lifecycle trigger design: Up to 10,000,000 times.
- Auto switching function between trigger mode and auto-sensing mode with its stand
- Ultra-rugged design : IP42 and 2.1m drop spec
- Louder beeper and brighter LED indicators for easily recognizing feedbacks

**unitech**  
because we care

# MS852 Plus

## Specifications



### Optical & Performance

Sensor	1280 X 800 global shutter
Aiming Element	Red laser
Illumination	White LED (exempt risk group)
Imager Field of View	100,000 Lux (Sunlight)
Skew Angle	±60°
Pitch Angle Sensor	±60°
Roll Angle	360°
Optical Resolution	1D 3mil/ 0.075mm
Printing Contrast Scale	20% minimum print contrast ratio
Depth of Field (DOF PCS=80%)	SYMBOLGY / X-DIM TYPICAL RANGE* Near Far
	13 mil UPC 1.34 in / 3.4 cm 22.5 in / 57.3 cm
	5 mil Code 39 2.76 in / 7 cm 11.85 in / 30.1 cm
	10 mil Code 39 1.14 in / 2.9 cm 20.3 in / 51.7 cm
	20 mil Code 39 1.38 in / 3.5 cm 31.5 in / 80 cm
	15 mil Code 128 1.34 in / 3.4 cm 25.6 in / 65 cm
	10 mil DM 2.84 in / 7.2 cm 11.7 in / 29.7 cm
	6,7 mil PDF417 3.3 in / 8.4 cm 9.6 in / 24.4 cm
	15 mil QR Code 1.3 in / 3.3 cm 15.35 in / 39 cm

### Communication

Host Interface supported	USB / RS232
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### Mechanical

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	165g
Trigger Switch Life	10 million times

### Regulatory Approvals

CE, FCC, BSMI, VCCI

### Accessories

- Standard Hands Free Stand (Optional)
- Auto Sensing Hands Free Stand (Optional)



### Symbologies

1D	Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data Bar, TLC39
2D	<b>2D Stacked:</b> Codablock A, Codablock F, PDF417, MicroPDF417 <b>2D Matrix:</b> Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code
Postal Codes	Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet

### Electrical

Power Requirement	4 VDC to 5.5 VDC
Current	Operating: 252mA Standby: 77mA

### Environmental

ESD Protection	Functional after 8K Contact and 15K Air
Mechanical Shock	2.1M onto concrete (scanner only)
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Relative Humidity	95% non-condensing
IP Rating	IP42

### Package Contents

Scanner + Cable



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