



## MS852+ 2D Barcode Scanner

Versatility isn't compromised for speed and efficiency in the all-new MS852+. Delivering superior barcode scanning performance without the hefty price tag, this 2D reader is suitable for a wide range of markets and applications, from e-ticketing in airports and at events, to point-of-sale transactions or mobile coupons in retail to industrial purpose manufacturing scanning.

### Increases Productivity

The MS852+ features a built-in megapixel barcode sensor that enhances the maximum compatibility of capturing most 1D and 2D barcodes on mobile screens, even damaged or poorly printed barcodes and special barcode symbologies such as OCR, Dot, and Digimarc codes. The MS852+ can automatically populate electronic forms in a single scan from US driver's licenses and ID cards making data collection for venues or government agencies a breeze.

### Intuitive and User-Friendly

The MS852+ offers increased scanspeed and operational effectiveness even while moving. Featuring an automatically switching function, the handheld device's sensor on the stand can flip intuitively from auto-sensing mode to trigger mode. Equipped with a louder beep and bright LED indicators, the clear feedback allows comprehension even in dark environments.

### Ultra-Durable

Thoughtfully designed to sustain drops of over 6 feet and made to handle tough environs with its IP42 protection seal, the MS852+ can take on the roughest conditions. A built-in long life cycle trigger of 10 million times guarantees continuous productivity for optimal work performance. The MS852+ is a valuable addition to retail, logistics, manufacturing, hospitality, and government applications.

### Main Features:

- Megapixel barcode sensor
- Supports most 1D/2D barcodes on mobile screens
- Long life cycle: Up to 10,000,000 times.
- Auto switching function between trigger mode and auto-sensing mode with stand
- Ultra-rugged design: IP42 and 6.8 foot drop spec
- Louder beeps and bright LED indicators for easy feedback confirmation



Bright LED light indicators confirm barcode reads

### 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

### Mechanical

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	5.8 oz (165g)
Trigger switch life	10 million times

### Electrical

Power requirement	4 VDC to 5.5 VDC
Current consumption	Operation mode: 252mA Standby mode: 77mA

### 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

2D

**2D Stacked:** Codablock A, Codablock F, PDF417, MicroPDF417

**2D Matrix:** Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet

Postal codes

### Environmental

ESD protection	Functional after 8K Contact and 15K Air
Mechanical shock	6.8 feet (2.1M) onto concrete - scanner only
Operating temperature	14°F to 122°F (-10°C to 50°C)
Storage temperature	-40°F to +158°F (-40°C to +70°C)
Relative humidity	95% non-condensing
IP rating	IP42

### Regulatory Approvals

CE, FCC, BSMI, VCCI

### Warranty

5 years

### Package Contents

Scanner, cable

### Accessories

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



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