



# MS852

## 2D Imager Scanner



Easy and intuitive design combined in one scanner, the new unitech MS852 handheld scanner delivers the simple way to make your checkout line faster and efficiency for all retail solutions from point-of-sale systems, loyalty cards, mobile payments and electronic coupons in retail store to general purpose hospitality scanning.

### Simple and Affordable

Specially built for retail environment, the MS852 has the ability to capture most 1D / 2D barcodes on mobile screens, even damaged or poorly printed barcodes. Featuring a compact size in an ergonomic housing, the MS852 handheld scanner is easy to hold and operate, just plug-and-play and connect it to your computer via USB cable. There is no need to do any additional installation or training, it's ready to work. This device enhances the workflow efficiency in an affordable price.

### User-Friendly

Featuring an automatically switching function for best customer experience, the handheld device can be detected via sensor on the stand to switch presentation 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.

### Compact but durable

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, hospitality and government.

### Features

- Lightweight design: Only 147g without cable
- Support most 1D / 2D barcode on mobile screens, even damaged or poorly printed barcodes
- 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

## Specifications

### Optical & Performance

Sensor	CMOS sensor with 640 x 400 pixel
Aiming Element	610nm
Illumination	Hyper Red 660nm
Imager Field of View	10000 ft. candles (107,639 lux)
Skew Angle	± 60°
Pitch Angle Sensor	± 60°
Roll Angle	0 - 360°
Optical Resolution	5.0 mil (Code 39), 6.6 mil (PDF417)
Printing Contrast Scale	Minimum 20%
Depth of Field (DOF PCS=80%)	SYMBOLGY / X-DIM TYPICAL RANGE* Near Far
	5 mil Code 39 2.0 in / 5.1 cm 6.4 in / 16.2 cm
	5 mil Code 128 2.5 in / 6.3 cm 5.0 in / 12.7 cm
	6.6 mil PDF417 2.5 in / 6.3 cm 6.3 in / 16.0 cm
	10 mil PDF417 1.8 in / 4.5 cm* 9.0 in / 22.8 cm
	13 mil 100% UPC 2.0 in / 5.0 cm* 12.5 in / 31.7 cm
	20 mil Code 39 2.0 in / 5.0 cm* 19.5 in / 49.5 cm
	20 mil Data Matrix 1.5 in / 3.8 cm 13.5 in / 34.3 cm
	20 mil QR Code 1.5 in / 3.8 cm 11.0 in / 27.9 cm

### Communication

Host Interface supported	USB / RS232
--------------------------	-------------

### Mechanical

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	147g without cable
Trigger Switch Life	10 million times

### Regulatory Approvals

CE, FCC, BSMI, VCCI

### Symbologies

1D	All major symbologies and PDF417
2D	QR Code, Data Matrix, Aztec Code, PDF417, Macro PDF417, Micro PDF417, MaxiCode, Coda block A, Codablock F, GS1 Composite, Han Xin Code
Postal Codes	Australian Post, British Post, Canadian Pos, InfoMail, Intelligent Mail Bar Code, Japanese Post, KIX (Netherlands) Post, GS1 Composite, Korea Post, Planet Code, Postal, Postnet

### Electrical

Power Requirement	4 VDC to 5.5 VDC
Current	Operating: 205mA Standby: 38mA

### 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

### Accessories

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



### Package Contents

Scanner + Cable



#### Headquarters

Taipei, Taiwan  
<http://www.ute.com> e-mail: [info@hq.ute.com](mailto:info@hq.ute.com)

#### unitech America

Los Angeles  
<http://us.ute.com> e-mail: [info@us.ute.com](mailto:info@us.ute.com)  
<http://can.ute.com> [info@can.ute.com](mailto:info@can.ute.com)

Mexico

<http://latin.ute.com> e-mail: [info@latin.ute.com](mailto:info@latin.ute.com)

#### unitech Asia Pacific & Middle East

Taipei  
<http://apac.ute.com> [info@apac.ute.com](mailto:info@apac.ute.com) / [info@india.ute.com](mailto:info@india.ute.com)  
<http://mideast.ute.com> [info@mideast.ute.com](mailto:info@mideast.ute.com)

#### unitech Europe

Tilburg / Netherlands  
<http://eu.ute.com> e-mail: [info@eu.ute.com](mailto:info@eu.ute.com)

#### unitech Japan

Tokyo  
<http://jp.ute.com> e-mail: [info@jp.ute.com](mailto:info@jp.ute.com)

#### unitech Greater China

Beijing, Shanghai, Guang Zhou, Xiamen  
<http://cn.ute.com> [info@cn.ute.com](mailto:info@cn.ute.com)  
Taipei <http://tw.ute.com> [info@tw.ute.com](mailto:info@tw.ute.com)

