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MS851

Rugged Handheld Laser Scanner

Built-in a powerful scan engine, the MS851 provides impressive speedy and accurate scanning performance in large working range from near to 4.5m(100mil code39). unitech MS851 rugged handheld laser scanner is the widest working range in this class which is ideal for a broad range of market applications such as document processing, retail and inventory applications.

Intuitive and aggressive handheld scanning performance

Featuring advanced laser scanning technology, the MS851 has the automatic scanning ability with a scan rate of up to 104 scans per second. It also has the ability to capture long range 1D barcodes, even damaged or poorly printed barcodes. This device enhances the workflow efficiency in an affordable price.

Easy to use

Due to different operational modes: trigger mode and presentation mode, The MS851 can be used in the most practical way depending on the scanning task. This scanner can be configured via USB, and offers replaceable cables ensuring ease of integration. Equipped with a louder beeper and brighter LED indicators, the MS851 allows users to recognize the feedbacks easily even in dark environment.

Compact but durable

While sustaining a 2.1 meter drop to concrete, MS851 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 long range scanning task in various solutions in retail and inventory applications.

Features

- Offers longer working range, a wider scan field, high-speed and sensitive scanning performance
- Support most standard 1D barcodes
- Long lifecycle trigger design: Up to 10,000,000 times.
- Ultra-rugged design : IP42 and 2.1m drop spec
- Louder beeper and brighter LED indicators for easily recognizing feedbacks
- Lightweight design: 147g without cable.

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MS851
Specifications

Optical & Performance

Receiving Device	Laser Engine
Light Source	650 nm visible laser diode
Optical Resolution	4mil (0.1mm)
Scan Rate	104 (± 12) scans/sec (bidirectional)
Skew Angle	±40° from normal
Pitch Angle	±65° from normal
Printing Contrast Scale	minimum 20%
Depth of Field	(DOF PCS=80%)
	Symbology | Density | Near | Far
	Code 128, 5 mils | 3.55 cm | 17.78 cm
	Code 39, 5 mils | 3.05 cm | 26.67 cm
	Code 39, 7.5 mils | 3.04 cm | 41.91 cm
	Code 128, 10 mils | 3.05 cm | 40.46cm
	UPC, 13 mils | 4.57 cm | 63.50 cm
	Code 128, 15 mils | 5.08 cm | 66.04 cm
	Code 39, 20 mils | 3.56 cm | 116.84 cm
	Code 39, 55 mils | 8.64 cm | 177.80 cm
	Code 39, 100 mils | 60.96 cm | 457.20 cm
Symbologies	Code 39, Full ASCII Code39, Interleave 2 of 5, UPC A/E/E1, MSI, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32, GS1 databar Code, Bookland EAN, Discreate 2 of 5, Chinese 2 of 5, ISBT 128, UCC Coupon Extended Code, Bookland 128
Operation Mode	Trigger mode, Pulse mode, Flash mode, Continuous Mode
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date

Communication

Host Interface supported	USB

Mechanical

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

Electrical

Operation Voltage	4 VDC to 5.5 VDC
Current Consumption	Operation mode: <110mA
	Standby mode: <20mA
User Indicators	Direct decode indicator, good decode
	LEDs, beeper (adjustable tone/volume)

Environmental

ESD Protection	Functional after 8K Contact and 15K Air
Mechanical Shock	2.1M onto concrete (scanner only)
IP Rate	IP42
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

Regulatory

CE, FCC, BSMI, VCCI

Accessories

Standard Hands Free Stand (Optional)



Package Contents

MS851 Scanner
Interface cable

unitech Green Product

Headquaters
Taipei, Taiwan
http://www.ute.com e-mail: info@hq.ute.com

unitech America
Los Angeles
http://us.ute.com e-mail: info@us.ute.com
http://can.ute.com info@can.ute.com
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