



MS852N

2D Imager Scanner



Easy and intuitive design combined in one scanner, the unitech MS852N handheld scanner delivers the simple way to make your operational processes faster and efficiency in manufacturing applications.

Simple and Affordable

Featuring the megapixel barcode scanning engine, the MS852N has the ability to capture most 1D / 2D barcodes on mobile screens, even damaged or poorly printed barcodes and 3 mil barcode (Code 39). The high-performance imager is built to last with unrivaled performance and competitive price. Featuring a compact size in an ergonomic housing, the MS852N 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 and Durable

Equipped with a louder beeper and brighter LED indicators, the MS852N allows users to recognize the feedbacks easily even in dark environment. While sustaining a 2.1 meter drop to concrete, MS852N 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 manufacturing.

Features

- Lightweight design: 155g 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.
- Ultra-rugged design : IP42 and 2.1m drop spec
- Louder beeper and brighter LED indicators for easily recognizing feedbacks



MS852N

Specifications

Optical & Performance

Sensor	1280×800 CMOS
Aiming Element	650nm laser diode
Illumination	White LED
Ambient Light	0~100,000LUX
Skew Angle	±60°
Pitch Angle Sensor	±60°
Roll Angle	0 - 360°
Optical Resolution	(1D)≥3mil ; (2D)≥6.6mil
Printing Contrast Scale	25%
Depth of Field	SYMBOLGY / X-DIM TYPICAL RANGE* Near Far
	EAN-13(13mil) 70mm-500mm
	Code 39(5mil) 90mm-265mm
	PDF417(6.7mil) 70mm-225mm
	Data Matrix(10mil) 65mm-215mm
	QR Code(15mil) 40mm-295mm

Communication

Host Interface supported	RS232/USB
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Mechanical

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	155g without cable
Trigger Switch Life	10 million times

Electrical

Operation Voltage	4 VDC to 5.5 VDC
Current Consumption	Operation mode: <314mA
Indicator	Standby mode: <44mA
	Buzzer, LED

Regulatory Approvals

CE, FCC, BSMI, VCCI

Symbologies

1D Barcodes

EAN UPC, Coupon, GS1 Composite, CodaBar, Interleave 25 / ITF-14 / ITF6, Matrix 25, Industrial 25, COOP 25, Standard 25, China post 25, Code 39, Code 93 / Code 93i, Code 128 series, Plessey, MSI Plessey, Code11, RSS, Code 49, Code 16K

2D Barcodes

PDF417, MicroPdf417, QR / MicroQR, DataMatrix, Aztec, HanXin, MaxiCode, GridMatrix, Code One, DotCode, USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX, Australian Postal, Japanese Post

OCR Barcodes

Passport OCR, Passport Visa, TD1, TD2, etc Prefix, Suffix, Code ID, Reformatting Date

Data Formatting

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)
USB Cable

Package Contents

MS852N Scanner
Interface cable



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