MS852DPM ESD
2D Imager Scanner

DPM Technology | ESD-Safe Design | IP42 + 2.1m Drop Protection

Specially built for satisfy the stringent requirements of cleanrooms and static-safe manufacturing environments, the MS852DPM ESD 2D barcode scanner enhances its outstanding value on supporting most 1D, 2D and barcodes marked with the DPM technology. It is an ideal choice for a variety of applications, from manufacturing, automotive, aeronautical, medical care, electronic equipment to healthcare markets.

Increase Productivity with Superior Industrial Barcode Scanner

The MS852 DPM ESD is built in megapixel barcode sensor that enhances the maximum compatibility to capture most 1D / 2D barcodes on mobile screens and special barcode symbologies such as Direct Part Marks(DPM) on chips. With its advanced barcode technology and durable design, the MS852 DPM ESD handheld scanner is a highly reliable tool to increase productivity and efficiency.

DPM technology (Direct Part Marking)

Direct Part Marking is a process that allows users to mark a barcode directly on an item instead of printing the barcode on a label, such as plastic and metal. There are three main technologies available for DPM: laser etched marking, dot peening and ink jet printing, with the intent to create a permanent identifier for the item. The permanent nature of the marking, assures that the item can be identified throughout its full life-cycle during the supply chain, even while being exposed to harsh environmental conditions. When it comes to identifying DPM parts throughout the manufacturing process, tracking your valuable assets though their lifecycle or quality control – the unitech MS852 DPM ESD really gets the job done!

Ultra-Durability

While sustaining a 2.1 meter drop to concrete, MS852 DPM ESD 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.

ESD Protection

MS852 DPM ESD-safe scanner is made by internal mixed way with antistatic agent to protect our barcode scanner to be ESD safe to be used at ESD protected area including its cable. With the Internal mixed way, the body of the product and its cable can withstand ESD up to $10^5 \sim 10^9$ ohms per square and no containing Chlorine material. The Internal mixed way can provide a longer time of ESD protection than external addition way due to external additional anti-static in the latter part of the packaging or processing process was wiped away. It is a reliable tool to streamline your workflow in manufacturing environments.

Features

- Advanced barcode reading technology for decoding Direct Part Marking (DPM)
- Specifically designed to satisfy the stringent requirements of static-safe environments
- Support most 1D / 2D barcode on mobile screens
- 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

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MS852 DPM ESD
Specifications

Optical & Performance

Sensor	1280 X 800 resolution
Aiming Element	650nm Laser Diode
Illumination	Laser Diode
Ambient Light	0~8,600 Lux（Candkes）0~100,000 Lux (direct sunlight)
Scan Rate	70 FPS
Skew Angle	±55°
Pitch Angle Sensor	±55°
Roll Angle	±360°
Field of View	46° (H) x 29° (V)
Optical Resolution	1D : ≥3 mil ; 2D : ≥5 mil
Printing Contrast Scale	≥20% (UPC/EAN 100% , PCS 90%)
Depth of Field	Code39 (4 mil) : 50 mm ~180 mm
	EAN -13 (13 mil) : 60 mm ~285 mm
	QR Code (7 mil) : 55 mm ~150 mm
	Data Matrix (7 mil) : 55 mm ~160 mm

Communication

Host Interface supported	USB (HID; CDC)

Mechanical

Dimension	87.8 L x 71.6 W x 177.7 H (mm)
Weight	165g without cable
Trigger Switch Life	10 million times

Regulatory Approvals

CE, FCC, BSMI, VCCI

Symbologies

1D	UPC A , UPC E , EAN 8 , EAN 13 , Code 128 , Code 39 , Code 93 , Codabar , Plessey , MSI , Interleaved 2 of 5
2D	Data Matrix , QR , Micro QR
DPM Barcodes	Data Matrix , QR , Micro QR

Electrical

Operation Voltage	4 VDC to 5.5 VDC
Current Consumption	Operating: 252mA
	Standby: 77mA
Indicator	Buzzer, LED

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

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
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