MS842

2D Imager Scanner

Efficiency, durability and a compact design combined in one scanner, the MS842. Supporting all common 1D and 2D barcodes, this scanner can be used in a broad variety of markets and applications. Start scanning, don't stop!

Efficiency at highest level

Due to the high speed decoder and high performance engine this MS842 2D scanner is one of the most efficient scanning solution in its class. It can easily be used in high demanding scanning applications like ticket management or security during events, industrial shipment management and inventory management in pharmacies. Users can depend on this efficient scanner without hesitation, wherever it is being used. The large decode distance, wide scan angles and buzzer ensures a high efficiency level.

Durability & low cost of ownership

The MS842 scanner features an IP42 environmental sealing against moisture and dust and a high 1.8M drop specification. Accidents happen in every business surrounding. If one of your employees drops the MS842 (on concrete), he/she can pick it up and continue scanning without any problem. No downtime, no replacement, no service needed. The long life trigger design of 10 million times guarantees a continuous productivity for a long period of time.

Practical and compact

Many tasks in retail and transportation surroundings include a lot of scanning activities. By weighing only 200 grams the MS842 is very user friendly, also over a longer period of time. The ergonomic and compact design will ease the scanning tasks additionally. Due to two operational modes: trigger mode and presentation mode, this scanner can be used in the most practical way depending on the scanning task.

Features

- High performance engine & decoder
- Supports all 1D and 2D barcodes
- Long life trigger design
- Durable rugged scanner: IP42 and 1.8 drop spec.
- Lightweight: only 200 grams
- High reading distance

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Optical & Performance

Receiving Device	Image Sensor, 752 x 480 pixels	
Light Source	Illumination : 625 nm LED	
	Aiming : 655 nm VLD	
Max. Resolution	SR: 5 mil (code 39), 6.7 mil (PDF417)	
	HD: 3 mil (code 39), 4 mil (PDF417)	
Skew Angle	±60 degrees	
Pitch Angle	±60 degrees	
Reading Distance (DOF PCS=80%)		

SR	near	far
Code 39, 5mil	5.3cm	19.1cm
PDF417, 6.7mil	8.6cm	18.0cm

HD	near	far
Code 39, 3mil	4.1cm	9.7cm
PDF417, 4mil	4.6cm	8.9cm

＊=dependent on width of bar code

Functionality

Symbologies	1D: Code 39, Full ASCII Code39, Interleave 2 of 5, Standard 2 of 5, UPC A/E, Delta Code, Label Code, MSI/ Plessy, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32,Toshiba Code, GS1 databar Code.
	2D: PDF417, MicroPDF417, Datamatrix, QR Code, Micro QR Code, Aztec, RSS , Composite, TLC -39, MaxiCode. Postal: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX)
Operation Mode	Trigger Mode, Presentation Mode
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date

Electrical

Operation Voltage	DC 3V to 5V
Current Consumption	Operation mode: <400mA , Standby mode: <160mA

Mechanical

Dimension	176 x 74 x 89 mm
Weigh	170g (without cable)
Switch life	10 million time

Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.8m onto concrete (scanner only)
IP rate	IP42
Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 70°C
Relative Humidity	95% non-condensing

Communication

USB, RS232

Regulation Approvals

CE, FCC, BSMI, VCCI

Accessories

Hand-free stand
Interface cable