



# MS832

## 2D Imager Scanner



Delivering effective data capture, the MS832 area-imaging scanner offers high performance for increasing productivity. The cost-effective and reliable handheld scanner is an ideal scanning tool for a wide variety of applications, such as personal identification, ticket management and gaming market.

### 2D reading capabilities along with durability

In order to give most benefits in enterprise environment, Unitech MS832 provides the superior scanning in any orientation. Featuring an IP40 environmental sealing against moisture and dust as well as a high 1.0M drop specification, MS832 could survive even in accidents happen in every business surrounding. If one of your employees drops the MS832 (on concrete), he/she can pick it up and continue scanning without any problem. Moreover, the trigger design offers long life of 1 million times guarantees a continuous productivity for a long period of time. MS832 is built for affordability and durability into your business workforce.

### Superior data capture performance

With superior data capture performance, MS832 handheld scanner supports up to 355mm reading depth of 1D and 2D barcode, also its advanced technology has an ability to read bar codes on mobile phone screens. It extends a clever way for enterprises through mobile couponing, control inventory and speed checkout.

### Practical and compact design

Combining an ergonomic and compact design, MS832 is easy to operate in dual modes: trigger mode and presentation mode, this scanner can be used in the most practical way depending on the scanning task in warehousing, retail and transportation surroundings include a lot of scanning activities.

**“The MS832 provides great productivity and efficiency with its fast and accurate imager and is able to read digital mobile barcodes to enhance service levels”**

### Features:

- Affordable price with industrial class benefits
- Lightweight and ergonomic design : only 120 g
- Available to read most 1D, PDF417 and 2D symbologies
- Rugged design: Durable rugged scanner: IP40 and 1.0 M drop spec
- Ability to read bar codes on mobile phone screens
- Auto object detection and dual operational modes: trigger mode and presentation mode

# MS832

## Specifications

### Operational & Performance

|                         |                                                                   |
|-------------------------|-------------------------------------------------------------------|
| Receiving Device        | Image Sensor, 640 x 480 pixels                                    |
| Light Source            | Illumination: Highly visible white LED<br>Aiming : 617 nm red LED |
| Max. Resolution         | 5 mil (code 39), 6.7 mil (PDF417)                                 |
| Skew Angle              | ±70 degrees                                                       |
| Pitch Angle             | ±60 degrees                                                       |
| Printing Contrast Scale | Minimum 35% contrast                                              |
| Motion Tolerance        | 100mm per second, 13 mil UPC                                      |



### Reading distance

| 1D                 | Distance                     |
|--------------------|------------------------------|
| Code 39, 5mil      | 33 - 95 mm (1.3 - 3.7 in.)   |
| UPC-A, 13 mil      | 32 - 255 mm (1.3 - 10.0 in.) |
| Code 39, 20 mil    | 35 - 355 mm (1.4 - 14.0 in.) |
| 2D                 | Distance                     |
| PDF417, 6.7 mil    | 30 - 95 mm (1.2 - 3.7 in.)   |
| Data Matrix, 10mil | 30 - 100 mm (1.2 - 3.9 in.)  |
| Data Matrix, 15mil | 21 - 162 mm (0.8 - 6.4 in.)  |
| QR, 20mil          | 23 - 200 mm (0.9 - 7.9 in.)  |

### Symbologies

All standard 1D, PDF417 and 2D symbologies

### Operation modes

Trigger Mode, Presentation Mode

### Data Formatting

Prefix, Suffix, Code ID, Reformatting Date

### Power Source

Operating voltage 4.0 ~ 5.5 V DC  
Operation mode: 2W; 400 mA @ 5V - typical  
Standby mode: 0.45w, 90mA@ 5V - typical

### Enclosure

Scanner dimension L170mm x W66mm x H85mm  
Scanner weight 120g (without cable)  
Switch life 1 million time

### Environmental

Operating temperature 0°C to 40°C  
Storage temperature -40°C to 60°C  
Humidity 5%-95% non-condensing  
ESD protection Functional after 4K contact and 8K air  
Drop Test 1.0 m onto concrete (scanner only)  
IP rage IP40

### Connectivity

USB, RS232

### Accessories

Hand-free stand (optional)  
Interface cable

### Regulatory approvals

CE, FCC, BSMI, VCCI

### Unitech Europe

Tilburg, The Netherlands

• Tel.: +31 (0)13 460 9292

• Email: Info@eu.ute.com

• Website: <http://www.eu.ute.com>



**unitech**  
because we care

Unitech America

Unitech Asia Pacific

Unitech China

Unitech Europe

Unitech Japan

Unitech Taiwan

Specifications subject to change without notice. Copyright 2011 Unitech Electronics Co., Ltd. All rights reserved. Unitech is a registered trademark of Unitech Electronics Co., Ltd. All product and company names are trademarks, service marks, or registered trademarks of their respective owners.