

# MS622

## Wired 2D Ring Scanner



**Single finger wearable design I Hight scan rate 2D scanner 60FPS I Lightweight 14g**

The MS622 is a single finger wearable scanner, combining lightweight design with superior 2D scanning performance that transforms the way you work and empowers you to verify tasks accuracy with hands-free scanning. It streamlines the workflow for a wide range of applications such as retail, pharmacy, transportation and warehouse.

### Single Finger Wearable design

Featuring flexible and lightweight wearable design, the MS622 ring scanner gives users freedom of movement to perform barcode scanning tasks comfortably while keeping both hands free. It's suitable for left and right hands, which is not only suitable for the operation of right hands, but also meets the handedness requirement on left-handers and fully embodies people orientation.

### Superior 2D Scanning Performance

Built in the high-speed decoder paired with an aggressive scanning engine, the MS622 ring scanner delivers great performance up to 60 fps per second as well as capturing high density with a 5 mil resolution and a scanning width up to 146mm. The MS622 increased scan speed and operational effectiveness even while moving and also supports most 1D / 2D barcodes on mobile screens.

### Durable

Furthermore, it has an IP42 rating for dust and water resistance as well as a 1.5 meter drop spec that provides superior durability and reliability. Combining high performance and compact design, MS622 gives mobile worker conveniently and safely while on the go.

### Lightweight, Convenient to Use

It is ergonomic and lightweight design, only about 14g that provides users with all-day superior comfort. By wearing the MS622 ring scanner on fingers and combining it with a WD200 wearable mobile computer, warehouse and retail workers are available to keep their hands on the items they are moving, increasing their productivity.

### Features

- Flexibility hands-free scanning experience: single finger wearable design
- Compact and lightweight: weighs 14g
- Allows right and left hand operation
- Rugged and durable design with IP42 and 1.5m drops
- Plug and play, convenient to use
- Instant decoding feedback: LED, Buzzer indicators.

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# MS622

## Specifications



### Optical & Performance

| | |
|---|---|
| Sensor | CMOS Sensor (640 x 480 pixels) |
| Aiming Element | White LED Red LED (625nm ) |
| Ambient Light | 100,000 Lux (Sunlight) |
| Scan Rate | 60 Frames/Sec |
| Skew Angle | ±60° |
| Pitch Angle Sensor | ±60° |
| Roll Angle | 360° |
| Optical Resolution | ≥5mil |
| Printing Contrast Scale | 40% |
| Depth of Field | (Environment : 800 lux)<br>5 Mil Code 39 : 45 ~ 145 mm<br>13 Mil UPC/EAN: 65 ~ 345 mm<br>6.67 Mil PDF417 : 55 ~ 120 mm<br>15 Mil QR Code : 35 ~ 165 mm<br>10 Mil Data Matrix : 50 ~ 115 mm |

### Communication

| | |
|---|---|
| Host Interface supported | USB VCP<br>USB HID |

### Communication

| | |
|---|---|
| Dimension | W27.6 x L46.2 x H26.8 mm |
| Weight | 14g (w/o cable) |
| Trigger Switch Life | 100,000 |

### Electrical

| | |
|---|---|
| Operation Voltage | 5 VDC ± 5% |
| Current Consumption | Working current: < 135mA<br>Standby current: < 15mA |
| Indicator | LED, Buzzer |

### Symbologies

| | |
|---|---|
| 1D Barcodes | UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, China Postal Code, MSI Plessey Code, UK Plessey Code, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databar |
| 2D Barcodes | QR Code, Micro QR Code, PDF417, Data Matrix, Aztec |

### Environmental

| | |
|---|---|
| ESD Protection | Functional after 4KV contact, 8KV Air discharge |
| Mechanical Shock | 1.5M onto concrete (scanner only) |
| Operating Temperature | -20°C ~ 55°C |
| Storage Temperature | -40°C ~ 70°C |
| Relative Humidity | 0% ~ 95%RH (Non-condensing) |
| IP Rating | IP42 |

### Accessories

USB Micro to USB Type C CABLE for MS622/Coiled/Black/90mm

### Regulatory Approvals

FCC, CE

### What comes in the box

- MS622 Scanner with Velcro Strap
- Micro USB to USB Type C Cable (90nm)
- Spare Velcro Strap
- Quick Guide
- Regulatory Compliance Statements
- Hang Tag


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