



# MS340

## Long Range CCD Scanner

Unitech's latest MS340 long range CCD scanner, has been enhanced to provide reliable scanning for rugged applications in field service, industrial production, warehouse and retail. Featuring industrial and military-standards, this affordable handheld scanner delivers unparalleled performance in harsh environments.

### Great way of designing

The comfortable and ergonomic design of this scanner makes it easy to operate. MS340 is flexible to operate in multiple scan types: handheld mode and presentation mode. Whether it's picked up once an hour or used consistently for an entire shift, the MS340's compact and lightweight form factor will prevent user-fatigue and simplify scan-intensive applications.

With upgraded features that MS340 offers a long range scanning capability to improve operator efficiency, it can be used in most practical way depending on the scanning task from retail point-of sale to transportation surroundings.

### Superior data capture performance

The MS340 is equipped with advanced scanning technology that provides a superior data capture performance to boost the scan speed up to 500 scans per second for incredible responsiveness.

The MS340 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. For added flexibility a hands-free stand for the MS340 is also available.

The MS340 also supports maximum compatibility by reading major 1D barcode types including UPC, EAN and GS1 DataBar, as well as damaged or poorly printed bar codes.

### Rugged, reliable and affordable.

This barcode scanner is available in three different interface options; USB, keyboard wedge and RS232. The interface cables are easily interchangeable, making it suitable for a wide variety of computer systems. Easy plug-and-play installation means your team will be up and running in no time. Featuring an IP42 environmental sealing against moisture and dust and an impressive 1.5M drop specification to concrete, this scanner is built for durability into business workforce. The MS340 scanner is a cost effective and reliable scanner.

**"The affordable MS340 is a high-performance CCD scanner with automatic smart detection, ideal for convenient in-stand counter scanning"**

### Features:

- Superior data capture performance: up to 500 scans/sec
- Compact, lightweight and ergonomic design with industrial standards
- Versatile scanning modes: supports both manual and presentation scanning (easy reading with auto smart detection)
- High-performance CCD engine: supports major 1D barcode types
- Supported by Unitech Scanner Configuration Management: easy to setup and clone your preferred settings to multiple devices
- Multi-interface communication : USB, K/W and RS232



# v1.MS340 Specifications

## Operational & Performance

|                         |   |
|-------------------------|---|
| Receiving Device        | Linear CCD                                      |
| Light Source            | Linear CCD Sensor                               |
| Ambient light           | 635nm Red LED                                   |
| Processor type          | Up to 100,000 Lux                               |
| Max. Resolution         | ARM Cortex™-M3, 32-bit                          |
| Scan Rate               | 4mil/0.1mm@PCS90%, Code39                       |
| Skew Angle              | Smart detection<br>(up to 500 scans per second) |
| Pitch Angle             | ± 60°(±5°)                                      |
| Printing Contrast Scale | ±10°~65°(±5°)                                   |
| Depth of Field          | 30%   |
|                         | Up to 400 mm@20mil/0.5mm<br>PCS90%, Code39      |

## Reading distance

| Density        | Near | Far   |
|----------------|------|-------|
| 0.1mm / 4mil   | 80mm | 120mm |
| 0.127mm / 5mil | 70mm | 140mm |
| 0.15mm / 6mil  | 60mm | 170mm |
| 0.26mm / 10mil | 40mm | 220mm |
| 0.33mm / 13mil | 40mm | 330mm |
| 0.39mm / 15mil | 40mm | 370mm |
| 0.5mm / 20mil  | 40mm | 400mm |

## Symbologies

All UPC/EAN/JAN, EAN128 Code, Code 39, Code 39 Full ASCII Code32 / Italian Pharmacy, Code 128, CODABAR/NW7 Interleave 25, Industrial 25, Matrix 25, MSI/PLESSEY, Telepen Code 93, Code 11, China Postage, Code 26, LCD25, GS1 DataBar.

## Operation modes

Handheld / Presentation Mode and more.

## Power Source

|                   |   |
|-------------------|---|
| Operating voltage | DC 5V ± 5%                                    |
| Consumption       | Operation mode: <150mA<br>Standby mode: <60mA |

## Enclosure

|                   |                        |
|-------------------|------------------------|
| Scanner dimension | 72mm x 70.3mm x 164 mm |
| Scanner weight    | 173.5g                 |
| Switch life       | 1 million times        |

## Environmental

|                       |                        |
|-----------------------|------------------------|
| Operating temperature | 0°C to 50°C            |
| Storage temperature   | -20°C to 70°C          |
| Humidity              | 20%-95% non-condensing |
| Drop resistance       | 1.5 m                  |
| IP rate               | IP42                   |

## Connectivity

KBW / RS232 / USB

## Accessories

Hand-free stand (optional)  
Interface cables

## Regulatory approvals

CE, FCC, BSMI, VCCI



## Unitech Europe

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