



### Unitech's Long Range CCD Scanner For Long Lasting Performance

The MS320 is a scanner that matches a laser scanner in performance by incorporating aggressive long range CCD scanning technology. It also gives the user excellent comfort thanks to its ergonomic and light weighted design yet robust finish. It is built to withstand 1,5m multiple free drops to a concrete floor.

The user can configure the MS320 by use of its barcode menu or Windows-based configuration utility. The firmware can be updated via RS232 interface. Its intelligent decoder can automatically discriminate different interface cables connected and barcode symbols upon reading.

Besides supporting most common one dimensional barcodes the MS320 also supports a two dimensional barcode, PDF417. This barcode is selected for applications in areas such as the automotive industry for key applications as shipping, product evidence, quality conveyance, production broadcast, configuration management and material safety data sheets.

As a valuable accessory, the MS320 comes (optionally) with an adjustable hands free stand for automated operation. It delivers the flexibility to operate as a presentation scanner, making the scanner suitable for your point of sale, office automation and document tracking applications.

### Warranty

The MS320 comes with Unitech premium 3 years warranty program.

### Features and Benefits

- Supports most common 1D barcodes and the two dimensional barcode PDF417 (multi-row symbology)
- Robust design withstanding 1.5m drop to a concrete floor
- Anti scud material (fits like a glove, doesn't slip out of your hand)
- Optional hands free stand for automatic scanning
- Contact and wide reading enables you to read labels up to 20cm DOF and up to 12 cm wide
- The interchangeable plug-in design allows you to replace the cable easily and minimizes downtime from damaged cables
- Setting the scanner via quick set-up or barcode manual through PC by scan utility software (RS232-cable required)
- Flash-ROM for easy post-purchase software upgrades via RS232 interface
- Flexible connectivity via auto discriminating interface design

### ► Performance

Resolution	0.1mm (4mils) Code39, PCS=90%
Decode rate	200 scans/sec
Printing contrast	30% or more
Depth of field	0-250mm (Code 39, PCS=90%, 20mils)
Width of field	120mm
Scan angle	Front: 60° Rear: 60° Yaw: 75°

### ► Functionality

Decode capability	Auto-discriminates all standard barcodes;
Beeper Operation	7 tones or no beep
Indicator	Green LED

### ► Optical

Light source	660 nm Visible Red LED
Optical System	2048 pixel CCD (Charge-coupled device)

### ► Electrical

Power Supply	Input Voltage 5VDC ± 0.25V
Operating current	255mA @ 5VDC
Operating Standby	120mA @ 5VDC
Power operating	1275mW
Power Standby	600mW



### ► Symbologies

ID barcodes:	Code 39, Code 39 Full ASCII, Codabar, Pharmacy Code(Italian), Standard 2 of 5, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, Code 93, Code 128/UCC EAN 128, MSI, Plessey, UPC/EAN codes incl.add-ons, ISBN, Telepen
2D barcodes:	PDF 417 (multi-row symbology)

### ► Connectivity

Keyboard Wedge, RS232, USB

### ► Mechanical

Case material	PC
Cushion material	Rubber
Connector type	RJ-45 phone jack connector
Weight	187g
Dimension	H187 x L101 x W78

### ► Environmental

Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)
Relative humidity	5% to 90% relative humidity, non-condensing
Mechanical shock	1.5m drop onto concrete for 10 times

### ► Safety approval

UL, FCC CLASS A, CE CLASS A

### ► Models

MS320-1K	MS320 CCD Scanner including Keyboard wedge
MS320-1R	MS320 CCD Scanner including RS232 cable with D9P connector
MS320-1U	MS320 CCD Scanner including USB cable

### ► Accessories

MS309B	Hands free stand for MS320
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MS320-06V2

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