

Middle Range

CCD Scanner



The MS220 is a high-resolution and single-line handheld scanner comes with many outstanding features found in MS Series models - the industry benchmark for value and performance. This slick scanner features automatic scanning in stand mode and decodes all standard 1D bar codes, including high resolution codes. The MS220 reads up to 150 mm from the barcode. It is built to withstand 1.5M of multiple free drops to the concrete floor.

MS220 is light-weight, handy and compact, specially designed for retail applications. This mid-range scanner is a cost-saving and high performance leader.

Features:

- Automatic scanning: Use as a handheld device or a fixed presentation scanner when mounted on the stand
- Fast scan speed: Up to 200 scans/sec
- Hand-free stand as an accessory (Optional)
- Supports major 1D barcodes (all standard symbologies)
- Robust design withstanding 1.5m to the concrete floor
- User friendly setting via quick setup manual

Specifications

▶ Optical & Performance

Resolution	0.1 mm (4mils) Code 39, PCS=90%
Scan speed	200 scans/sec
Printing contrast	45% or more
Depth of field	0-150 mm (Code, PCS-90%, 20 mils)
Width of field	120 mm
Scan angle	Skew: $\pm 75^\circ$; Pitch: $\pm 60^\circ$

▶ 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 $\pm 0.25v$
Operating current	150 mA @ 5VDC
Operating standby	30 mA @ 5VDC

▶ Symbolologies

Code 39 (full ASCII), Code (Standard), Code 93,
Code 128, delta Code, EAN-8 with add-on code,
EAN-13 with add-on code, EAN 128, Interleaved 2 of
5, ISBN / Bookland EAN, ISBT 128, Italian Pharmacy,
MSI / Plessey, Standard 2 of 5, Toshiba Code, UPC-A
with add-on code, UPC-E with add-on code

▶ Connectivity

Keyboard Wedge, RS232, USB

▶ Mechanical

Case material	ABS + PC
Cushion material	Rubber
Weight	90g
Dimension	H 176 x L 67 x W 40 mm

▶ Environmental

Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Relative humidity	10% - 90%, non-condensing
Drop	1.5M drop onto concrete

▶ Safety approval

CE, FCC

▶ Models

MS220-PT	MS220 with Keyboard wedge
MS220-RT	MS220 with RS232
MS220-UT	MS220 with USB



unitech America

Los Angeles, Houston, Guadalajara

<http://www.ute.com> e-mail: inquiry@ute.com

<http://www.unitech-adc.com> e-mail: info@latin.ute.com

unitech Asia Pacific & Middle East

Taipei

<http://www.unitech-utp.com.tw> e-mail: aidcsales@tw.ute.com

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Tokyo

<http://www.unitech-japan.co.jp> e-mail: sales@jp.ute.com

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<http://www.unitech-europe.com> e-mail: sales@eu.ute.com

unitech Greater China

Beijing, Shanghai, Guang Zhou, Xiamen

<http://www.ute.com.cn> <http://www.ute.cn>

e-mail: unitech@cn.ute.com

Taipei <http://adc-utt.unitech.com.tw>

e-mail: barcode@tw.ute.com

Head office

Taipei <http://www.unitech-adc.com>

e-mail: marketing@tw.ute.com