MS300 CCD Scanner

The MS300 CCD scanner is a reliable, gun-type CCD bar code reader suitable for a wide range of environments in retail, medical and light industrial applications.

Laser-like performance

Its depth of field delivers laser-like performance reading bar codes at distances of up to 13.8 inches and decode them at a rate of 45 scans per second. The MS300 CCD scanner is positioned to compete with laser scanners on both design and performance. Its ergonomic gun-type design fits comfortably into the operators hand while the price fits every budget! With a rugged design and no moving parts, it withstands repeated 6-foot drops onto conrete floor.

Versatile and powerful

Our built-in decoder allows the data to be edited before sending it to the host. This feature saves resources by making software changes unecessary. Supported interfaces include keybord wedge, USB, RS232, Macintosh (ADB) and wand emulation. The interface cable can be replaced by the user, avoiding costly downtime.

A bar code menu provides extensive configration options, while a quick setup menu lets users configure common features. The configuration can be copied to other units, making deployment of large installations a breeze.

The MS300 is manufactured at our ISO 9001 certified factory and comes with a 5-year warranty.

Features

- Superior reading distance
- Reads most commonly used bar code symbologies
- Hands-free operation for retail applications
- Replaceable interface cable
- Easy to use and configure
- Reads damaged labels
- Advanced Data Editing features
- Solid-state technology
- Supports multiple interfaces

unitech

Data Collection Within Reach

MS300 Specifications

Optical

Light source:	660 nm visible red LED
Sensor:	3,000-element linear array
Scan rate:	45 scans per second
Print contrast:	45% absolute dark/light reflectance at 660 nm
Scanning width:	7.08" (180 mm) maximum
Resolution:	4 mils (0.1 mm) minimum

Resolution	Depth of field
4.0 mils	3.3 - 4.5" (85 - 115 mm)
5.0 mils	3.1 - 4.7" (80 - 120 mm)
6.0 mils	3.1 - 5.1" (80 - 130 mm)
15.0 mils	1.5 - 7.5" (40 - 190 mm)
40.0 mils	1.5 - 11.8" (40 - 300 mm)

Decoder

Symbologies:	UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCI, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba, EAN 128.
Operation modes:	Trigger, flash and continuous modes
Data editing:	Preamble, postamble, code id and reformatting data
Function keys:	PC, Macintosh and IBM terminal keyboard
LED:	Two-color LED provides good read feedback
Buzzer:	Provides additional audio feedback

Electrical

Operating voltage:	+5 V DC
Consumption:	25 mA standby, 95 mA operating
EMI protection:	CE approved, complies with FCC Class A

Mechanical

Length:	4.17" (106 mm)
Width:	2.44" (62 mm)
Height:	6.30" (160 mm)
Weight:	5.2 oz. (147 g) without cable
Shock:	Withstands multiple 6 ft. (1.8 m) drops to concrete floor

Environmental

Operating Temperature: 32° to 104° F (0° to 40° C)
Storage Temperature: -4° to 140° F (-20° to 60° C)
Humidity: 20 to 85% RH non-condensing

Accessories

MS207 Hands-free stand
Interface cables

Ordering Information

MS300-0	Undecoded, TTL output only
MS300-1	Supports: PC XT/AT, PS/2, and Macintosh (ADB) keyboard wedge interface; RS232 and terminal wedge; wand emulation; keyboard wedge for IBM, DEC, Dorio and Decision Data popular terminals.
MS300-0A	Undecoded, includes 155000-0525
MS300-1A	Keyboard, includes 155000-0540 (DIN)
MS300-1P	Keyboard, includes 155000-0610 PS/2 (miniDIN)
MS300-1U	USB
MS300-1L	Notebook, includes 155000-0560 straight cable
MS300-1M	Macintosh (ADB), includes 155000-0670 emulation
MS300-2A	RS232, includes 155000-0532, 101000-0150 (5V AC adapter)

www.unitech-adc.com