unitech

MS210-1

Affordable
High
Performance

Reliable & Affordable

The MS210 CCD scanner is a reliable,
low cost bar code reader suitable for a wide range of environments.
Its features and price make it the best solution for Retail,
Medical and Light Industrial applications.

Ergonomic

The ergonomic design makes
the scanning process easier and more comfortable.
Aside from good looks, it is also rugged enough to
withstand multiple six feet (1.8 M) drops to concrete.

Flexible

The MS210-1 flexible,
multiple interface design supports keyboard wedge,
RS232 and wand emulation by simply replacing the cable.
This feature also prevents downtime caused by damaged cables.
In addition, the IBM PC XT/AT keyboard wedge interface
supports 8 different character sets.
The powerful built-in decoder reads and
discriminates all major symbologies,
reducing processing time and labor costs,
while increasing accuracy.

The MS210 is manufactured at our ISO 9001 certified factory and
comes with a 2-year warranty.

Scanning Features

- Scanning width up to 120mm
- Resolution up to 0.1 mm (4 mils)
- Reading distance up to 25mm
- Power consumption:
  Operating current   85mA 15mA (5V)
  Standby current   20mA 10mA (5V)

Interfaces

- Keyboard wedge (PC XT/AT, PS/2 and Macintosh ADB, DEC, and IBM terminal)
- RS232 (May require external AC adapter)
- Wand Emulation

Built-in Decoder Features:

- Reads all major bar code symbologies
- Reads reverse bar code labels
- Trigger, Flash, Multiscan and One press one mode
- Configuration through bar code setup
- Extensive data formatting features

► Performance

Resolution	0.1 mm (4 mils)
Scanning Width	80 mm at contact and 120mm at 110 mm reading distance (PCS = 90% 1 mm code)
Depth of field	0 ~ 18 mm for Code 39 at 6 mils
	0 ~ 25 mm for I 2 of 5 at 6 mils

► Functionality

Symbologies	Code 39 Standard and Full ASCII, Codabar, UPC/EAN with supplement codes, UCC/EAN 128, Interleaved 2 of 5, MSI/Plessy code, Standard 2 of 5, China Postal (Toshiba Code), Label code IV and V, Delta Distance code, Code 93, Code 128, Code 32 (Italian Pharmacy)
Operation modes	Trigger, Flash, Multiscan and One press One scan mode
Data formatting	Prefix, suffix, Code ID and reformatting data
Function keys	PC, Macintosh and IBM terminal keyboard

► Optical

Light source	660 nm visible red LED
Sensor	2088 element linear imager
Scan rate	45 scans/second
Print contrast	45% minimum

► Electrical

Operating voltage	3.3 ~ 5V DC ±5%
Current consumption	Operating curent : 100 mA ± 15 mA (5V) Standby current : 24 mA ± 5 mA (5V)

► Connectivity

MS210-1	Supports PC AT/XT, PS/2, Macintosh, notebook usage, RS232 for serial wedge, terminal wedge, Serial TTL inverted, wand emulation with Code 39 conversion option, IBM, and other commonly used terminal.

► Mechanical

Weight	Approx. 125g
Dimensions	190mm(L) x 88mm(W) x 50mm (H)

► Environmental

Operating temperature	0°C to 50°C (32˚F to 122˚F)
Storage temperature	-20°C to 60°C (-4˚F to 140˚F)
Relative humidity	20% to 85% RH (Non-Condensing)
EMI protection	Complies with FCC class A and CE approval
Drop test	1.8 meters on concrete floor

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