



# MS210 CCD Scanner



## Features

- Superior contact scanning
- 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
- Low power consumption

The MS210 barcode 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.

## Extensive interface support

The MS210-1 flexible, multiple interface design supports keyboard wedge, RS232, USB, wand emulation and sixteen popular terminals 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.

## Feature rich

The powerful built-in decoder reads and discriminates all major symbologies, reducing processing time and labor costs, while increasing accuracy. The decoder also allows editing and modifying scanned data before sending it to the host device.

Barcode menus provide extensive configuration options. The settings can then be cloned to other readers through the use of custom bar code labels.

## Sleek, solid construction

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

The MS210 is manufactured at our ISO 9001 certified factory and comes with a 3-year warranty.

# MS210 Specifications

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## Optical

Light source: 660 nm visible red LED  
Sensor: 2,088-element linear array  
Scan rate: 45 scans per second  
Print contrast: 45% absolute dark/light reflectance at 660 nm  
Scanning width: 3.15" (80 mm) at contact, 4.7" (120 mm) maximum  
Resolution: 4 mils (0.1 mm) minimum  
Depth of field: 1" (25.4 mm)

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## Decoder

Symbologies: UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCII, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba, EAN 128, Label Code IV, V and China Postal Code.  
Operation modes: Trigger, flash, multiscan 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

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## Electrical

Operating voltage: +3.3 to 5 V DC  
Consumption: 20 mA standby, 85 mA operating  
EMI protection: CE approved, complies with FCC Class A

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## Mechanical

Length: 7.4" (190 mm)  
Width: 3.46" (88 mm)  
Height: 3.15" (50 mm)  
Weight: 4.4 oz. (125 g) without cable  
Shock: Withstands multiple 6 ft. (1.8 m) drops to concrete floor

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## Environmental

Operating Temperature: 32° to 122° F (0° to 50° C)  
Storage Temperature: -4° to 140° F (-20° to 60° C)  
Humidity: 20 to 95% RH non-condensing

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## Accessories

CCD Holder  
Interface cables

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## Ordering Information

MS210-K	Keyboard wedge PC XT, AT, PS/2 (DIN connect.)
MS210-U	USB
MS210-R	RS232 (includes 5V AC adapter)
MS210-W	Wand emulation

Also supports Macintosh (ADB port), IBM, DEC, Dorio, Decision Data and other popular terminals.

## www.unitech-adc.com



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