

MS331

Easy to Use Handheld CCD Scanner



The MS331 from Unitech delivers easy-to-use, reliable performance at an affordable price. Perfect for reading bar codes in office automation, healthcare, postal service, and other light industrial and retail applications.

Reliable Performance

Featuring a built-in long-range CCD scan engine, the MS331 provides users extra depth-of-field and a scanning width up to 7 inches (18 cm).

The reliable reading and decoding performance makes data collection easy. An adjustable audio beeper and a clear, visible LED, ensure positive feedback to the user.

Configuring the MS331 is fast and easy, thereby reducing start-up time and expense. To further increase savings, the MS331 features an interchangeable interface cable design.

Rugged Design

To minimize down time, the rugged MS331 is designed to withstand a 1.5 meter drop to concrete. The ESD protection guarantees resistance to 8KV contact and 12KV air electrostatic discharge.

User Friendly

The rugged, lightweight and ergonomic design make the MS331 an exceptionally user-friendly scanner. The gun design increases user comfort for normal scanning situations. An optional hands-free stand is also available for automatic scanning applications.

Features

- Long-range CCD scan engine
- Fast and accurate decoding of all major linear bar codes
- Adjustable audible beeps and clear LED ensure positive user feedback
- Interchangeable cable design
- Rugged design withstands 1.5m drop to concrete
- Adjustable hands-free stand for easy reading
- Easy programming using bar codes or Windows-based software

Optical & Performance

Light source	660 nm visible red LED
Sensor	3,000-element linear array
Scan rate	50 scans per second
Print contrast	45% absolute dark/light reflectance at 660nm
Scanning width	7.08" (180mm) maximum
Resolution	0.1mm (PCS=90%) at 10cm ± 1.5cm

Depth of Field

Resolution	Reading Distance
4 mil - Code39	65 ~ 70mm
5 mil - Code39	65 ~ 90mm
10 mil - Code39	55 ~ 140mm

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
Operating Modes	Trigger, flash and continuous modes
Data Editing	Preamble, postamble, code ID and reformatting data
Function Keys	PC, Macintosh and IBM terminal keyboard

Electrical

Operating Voltage	5 VDC ±5%
Working Current	< 175 mA (Keyboard wedge)
Standby Current	Switch mode < 80 mA

Communication and I/O

Interfaces Supported	Keyboard wedge RS232 USB Wand emulation
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Mechanical

Dimensions:	100mm(L) x 70mm(W) x 180mm(H)
Weight:	164 g

Environmental

Operating Temperature	0° to 50° C
Storage Temperature	-20° to 60° C
Humidity	20 to 85% RH non-condensing
ESD Protection	Functional after 8K contact and 12K air
Drop Test	1.5m onto concrete

Regulatory Approvals

CE, FCC, BSMI

Accessories

Hands-free stand
Interface cables

Unitech America

Los Angeles, Houston, Guadalajara
<http://www.ute.com> e-mail: inquiry@ute.com
<http://latin.unitech-adc.com> e-mail: info@latin.unitech-adc.com

Unitech APAC

Taipei
<http://www.unitech-adc.com> e-mail: aidcsales@adc.unitech.com.tw

Unitech Japan

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

Unitech Europe

Tilburg / NL
<http://www.unitech-europe.com> e-mail: sales@unitech-europe.com

Unitech Greater China

Beijing, Suzhou, Shanghai, NingPo, Guang Zhou, Xiamen
<http://www.ute.com.cn> <http://www.ute.cn> e-mail: unitech@ute.com.cn
 Taipei <http://adc-utt.unitech.com.tw> e-mail: barcode@unitech.com.tw

Head Office

Taipei
<http://www.unitech-adc.com> e-mail: marketing@adc.unitech.com.tw