

RUGGED HANDHELD INDUSTRIAL SCANNER

VL100-C MODEL



- Autofocus and auto-optimization of code reading parameters
- Powerful image processing and decoding algorithm
- Industrial design for harsh environment
- 1D,2D codes reliable scanner
- Corded and cordless scanners are ready for the world's toughest environments in warehouse and manufacturing floor
- Harsh Anti-Drop product design passed 2 meters drop to the cement floor (30 times) test



Rugged Handheld Industrial Code Reader



VL100-C industrial handheld bar code scanner meets the requirement of harsh industrial environment. IP67 protection level, surviving up to 2 meters drop, working normally in industrial temperature range, and many other industrial requirements are satisfied to guarantee a tough use.

VL100-C utilizes a powerful megapixel image sensor to achieve excellent reading performance, greatly improves the reading fluency and depth of field.

Industrial grade design for harsh Environments

The equipment is IP67 rated and can withstand a drop of up to 2 meters, so the failure rate is decreased as much as possible.

Excellent bar code reading performance

A megapixel CMOS sensor with excellent image algorithms improves reading fluency and depth of field. Be suitable for various applications such as ordinary label bar code, laser engraving bar code, dot matrix bar code, etc.

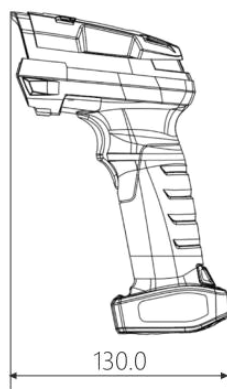
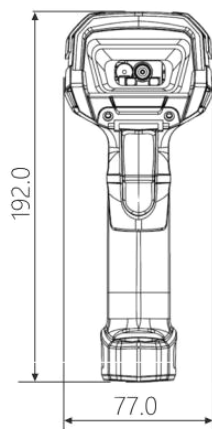
Multiple feedback modes

With LED , buzzer and vibrator, ensure timely and accurate feedback for user even in noisy environment.

Common communication interface

USB keyboard, USB virtual serial port and RS232 communication modes are all supported.

unit:mm



Applications



Home Appliances



Electronics Manufacturing



Automobile Manufacturing



Transportation and Logistics



DPM Reading



Solar energy industry



Device integration



Product traceability



Laser marking and ink-jet marking

Physical Characteristics

Dimensions	76.9mm x 130.3mm x191.8mm
Weight	330.5g
Operating Voltage	5±5%V
Starting Current	132mA
Stand-by Current	84mA
Work Current	316mA

Performance Parameters

Image Sensor	1024 pixels (H) x 1280 pixels (V)
Light Source	(Illumination) Red color LED
Angular Field of View	44°(H)X25°(V)
Roll / Pitch / Yaw	360°/±65°/±65°
Print Contrast	20% - the minimum reflection difference
Interface Support	USB
Motion Tolerance	>0.4m/s

Decode Capability

1D Barcode	Codabar, Code 11, Code 39, Code 93, Code 128/EAN128, EAN.UCC Composite, Interleaved 2 of 5, MSI Code, Planet, Plessey Code, Postnet, RSS, Standard 2 of 5, Telepen, UPC/EAN, etc.
2D Barcode	PDF417, QR code, Matrix 2 of 5, MicroPDF417, Australian Post, Canada Post, Japan Post, MaxiCode, Codablock, Aztec, Dutch Post, TLC 39, DataMatrix, etc.
Minimum Resolution	≥ 4mil

Environment

Operating Temperature	-20°C~60 °C
Storage Temperature	-30°C~70 °C
Humidity	5%~95%(relative humidity, non-condensing)
Shock Resistance	Designed to withstand 2m(5') drops
Ambient Light Immunity	0-100,000 Lux
ESD	Air discharge: ± 15KV Contact discharge: ± 8KV

Decode Reading Range

Code39(5mil)	30mm-230mm
Code39(13mil)	25mm-450mm
QR(20mil)	0mm-380mm
PDF417(7.5mil)	0mm-220mm

Performance may be affected by barcode quality and environmental condition.

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