



RUGGED
HANDHELD
INDUSTRIAL
SCANNER

VL100-W 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
- Long distance wireless communication technology is adopted to realize mobile scanning within 100m (open area)
- Harsh Anti-Drop product design passed 2 meters drop to the cement floor (30 times) test



Rugged Handheld Industrial Code Reader



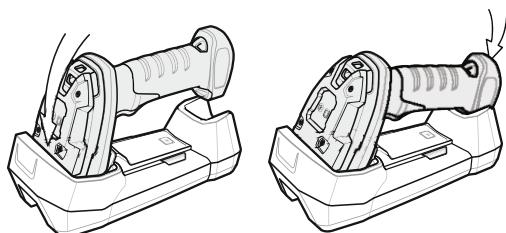
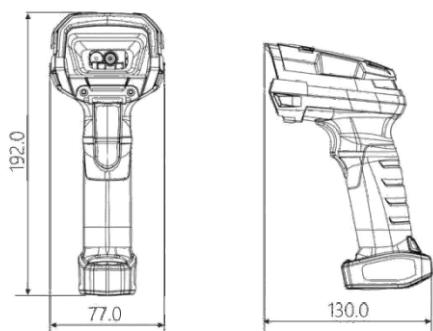
Wireless Barcode Scanner VL100-W industrial handheld barcode scanner meets the requirement of harsh industrial environment.

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



unit:mm



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.

Unique decoding technology

The international top decoding algorithm is adopted to quickly and accurately interpret various onedimensional and two-dimensional barcodes

Multiple feedback modes

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

Wireless long sensing distance

Long distance wireless communication technology is adopted to realize mobile scanning within 100m (open area)

Wireless charging technology

Contactless electromagnetic induction charging

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	246mm x 99.5mmx 136mm
Weight	Scanner 295g / Cradle 410g
Operating Voltage	+5V±10% VDC
Starting Current	165mA
Stand-by Current	76mA
Work Current	195mA

Performance Parameters

Image Sensor	1024 pixels (H) x 1280 pixels (V)
Light Source	(Illumination) Red color LED
Wireless signal	2.4-2.5 GHz bandwidth range
Angular Field of View	44 °(horizontal), 25 °(vertical)
Rotation / Tilt / Deflection	360°(rotation), 65°(tilt), 65°(deflection)
Print Contrast	20% - the minimum reflection difference
Interface Support	USB / RS232
Battery specification	3.7V/2500mAh
Endurance capability	6.5h(every 2s / 12000 times decoding on average)
Charging period	6.5h
Communication distance	100m (open space), support storage
Storage capacity	100000 pieces (13 characters / piece)

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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