

Z-3151HS

Advanced Handheld High-Speed Laser Scanner



product
design
award
2009



The Z-3151HS is a high class handheld single-line laser scanner with a powerful scan engine. It utilized the omnidirectional technology to transform seven laser lines into one and performs a superb scanning speed at 500 scans per second. The built-in Z-SCAN+ decoding technology guarantees real-time scanning and accuracy, ensuring an unbeatable first read success rate. The 32-bit MPU allows it to read most 1D barcode types, GS1 DataBar and PDF417.

- Decode most 1D barcodes, incl. GS1 DataBar & PDF 417
- Streamline design and Large trigger for effortless operation
- Superb scanning ability
- Proprietary Z-SCAN+ technology
- Rugged and ergonomic form factor
- Flexible communications
- Honored by iF Product Design Award 2009

1. Clear LED indicators
2. Small footprint stands
3. Svelte shaped with solid housing



OPERATIONAL

Light Source	650 nm visible laser diode (VLD)
Microprocessor	32-bit
Depth of Field	5 mil: 50 – 110 mm 7.5 mil: 30 – 150 mm 10 mil: 30 – 180 mm 13 mil: 35 – 210 mm 20 mil: 20 – 280 mm (Note : DOF may vary depending on environment condition and barcode quality.)
Scan Rate	500 scans per second
Scan Angle	52°
Pitch/Roll/Skew Angle	65° / 30° / 65°
Print Contrast	30% @ UPC/EAN 100%
Indicator	Three-color LED (green, red & blue)
Beeper Operation	Programmable tone & beep time
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM, wand, OPOS, JPOS

PHYSICAL

Dimension	107.8 x 58.3 x 155.2 mm (device only)
Weight	130 g (stand excluded)
Cable	Standard 2M straight

POWER

Input Voltage	5 VDC ±10%
Operating Current	180 mA @ 5V (Typical)
Power Consumption	1.25 watts

REGULATORY

Laser Class	CDRH Class IIa; IEC 60825-1: Class 2
EMC	CE & FCC DOC compliant, VCCI, BSMI

ENVIRONMENTAL

Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	5% ~ 95% RH (non-condensing)
Light Level	Max. 4,500 Lux (fluorescence)
Drop Durability	Designed to withstand 1M drops

DECODING CAPABILITY

1D Barcode	UPC/EAN/JAN, UPC-A & UPC-E, EAN-8 & EAN-13, JAN-8 & JAN-13, ISBN/ISSN, Code 39, Codabar, Code 128 & EAN 128, Code 93, ITF 2 of 5, IATA Code, MSI, China Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, JAP, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Telepen
2D Barcode	PDF417

