

Z-3151HS

Advanced Handheld High-Speed Laser Scanner



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



- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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OPERATIONAL

| | | |
|-----------------------|--|---|
| Light Source | 650 nm visible laser diode (VLD) | |
| Microprocessor | 32-bit | |
| Depth of Field | 5 mil: 50 – 110 mm 10 mil: 30 – 180 mm 20 mil: 20 – 280 mm | 7.5 mil: 30 – 150 mm 13 mil: 35 – 210 mm |
| Scan Angle | 52° | |
| Scan Rate | 500 scans per second | |
| 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

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

POWER

| | |
|-------------------|------------|
| Input Voltage | 5 VDC ±10% |
| Operating Current | 250 mA |
| Power Consumption | 1.25 watts |

REGULATORY

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|-------------|--------------------------------------|
| 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 | 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 |

