

Z-3051HS

Handheld High-Speed Laser Scanner



product
design
award

2009



- Powerful scanning performance
- Proprietary Z-SCAN⁺ technology
- Streamlined, rugged and ergonomic design
- LED scan indicator and programmable beeper
- Flexible communications

The Z-3051HS is a handheld single-line laser scanner with ZEBEX own designed scan engine. The Z-3051HS inherits its powerful scanning performance of the handheld family products for up to 500 scans per second; it guarantees to bring in efficiency for any retail, office or warehouse environment.

The Z-3051HS is also enhanced through the built-in Z-SCAN⁺ decoding technology. This one of a kind technology provides real-time scanning and hardware decoding capability that ensures an unbeatable first read success rate. Compared to other similar products on the market, it guarantees an impressive, fast and accurate scanning performance. It automatically reads and interprets the world's most popular 1D barcodes.

Ergonomically designed, this slender and lightweight handheld scanner is ruggedly encased; it comes with a standard stand with small footprint to save counter space. The LED display and beeper are programmable to cater to the users' own preference. Equipped with multi-interface communication, the Z-3051HS has an impressive scanning performance with competitive price that ensures hassle-free integration into virtually any retail environment.

OPERATIONAL

Light Source	650 nm visible laser diode (VLD)
Depth of Field	35 – 200 mm (UPC/EAN 100%, PCS=90%)
Scan Angle	52°
Scan Rate	500 scans per second
Pitch/Roll/Skew Angle	65° / 30° / 65°
Minimum Bar Width	5 mil @ PCS=90% (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Indicators (LED)	Three-color LED (green, red & blue)
Beeper Operation	Programmable tone & beep time
System Interfaces	Keyboard, RS-232C, HID USB, wand

PHYSICAL

Dimensions	(L)106.7 × (D)58.0 × (H)155.0 mm (device only)
Weight	148 g (stand excluded)
Cable	Standard 2.0M straight

POWER

Input Voltage	5 VDC ±10%
Power Consumption	1.0 watts
Operating Current	200 mA

REGULATORY

Laser Class	CDRH Class IIa; IEC 60825-1: Class 1
EMC	CE & FCC DOC compliance, 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 Levels	4,500 Lux (fluorescence)
Drop Durability	Designed to withstand 1.0M drops



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