

# Handheld Scanners

## Z-3051 Series

Laser High Speed Handheld Scanner



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### Features

- **Different configurations available**
  - Two models: high-speed laser engine & Symbol laser engine
- **Powerful scanning performance**
  - Up to 500 scans per second
- **Z-SCAN technology**
  - ZEBEX proprietary real-time hardware decoding ensures instant recognition and decoding of the most popular 1D barcodes.
- **Screamlined, rugged design**
  - Easy-to-hold grip for comfortable use and with solid ABS plastic housing for long-lasting durability
- **LED scan indicator and programmable beeper**
  - For enhanced user feedback of scan status
- **Flexible communications**
  - Multiple interfaces include keyboard, RS-232C, USB and wand interface

### Applications

Point-of-sale  
Stock control  
Logistics tracking  
Document tracking  
Asset management

With an impressive scanning speed of 500 scans per second, the Z-3051 is a high-speed single line laser handheld scanner that brings about the most effective scanning capability any handheld scanner offers. Guaranteed to bring in efficiency for any retail, office or warehouse environment, the Z-3051 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.

Ergonomically designed, this handheld scanner is available in two versions. Users can choose to order scanners implemented with ZEBEX's self-designed scan engine or with Symbol's scan engine. Compared to other similar products on the market, both versions guarantee an impressive, fast and accurate scanning performance. It automatically reads and interprets the world's most popular 1D barcodes. Either scanners pledge high-reliability and superior performance.

This slender and lightweight handheld scanner is ruggedly encased. Its durable trigger switch is sturdy enough to withstand heavy usage. The LED display and beeper are programmable to cater to the users' own preference. Equipped with multi-interface communication, the Z-3051 has an outstanding scanning performance that promises to help you achieve boundless possibilities.





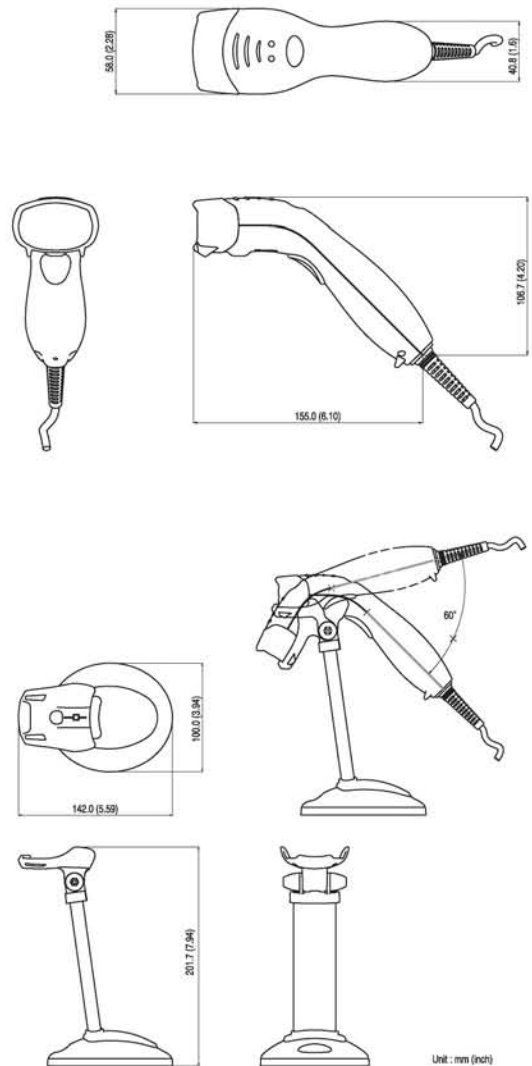
## Z-3051 Series Specifications

| Model    | Description         | Scan Angle                        | Scan Rate          | Depth of Field |
|----------|---------------------|-----------------------------------|--------------------|----------------|
| Z-3051HS | High Speed Model    | 52°                               | 500 scans per sec. | 20 – 280 mm    |
| Z-3051SE | Symbol Inside Model | 46.5° (typical),<br>23° (reduced) | 100 scans per sec. | 15 – 240 mm    |

\*Based on UPC/EAN 100%, PCS 90%

| OPERATIONAL             |  |
|-------------------------|--|
| Light Source            | 650nm visible laser diode  |
| Minimum Bar Width       | 5 mil @ PCS 90%, Code 39   |
| Print Contrast          | 30% @ UPC/EAN 100%   |
| Indicators (LED)        | Two-color LED (green & red)  |
| Beeper Operation        | Programmable tone and beep time  |
| System Interfaces       | Keyboard, RS-232C, USB 1.1, Wand   |
| Auto Sense              | Available for Z-3051HS model   |
| PHYSICAL                |  |
| Height                  | 106.7 mm   |
| Depth                   | 155.0 mm   |
| Width                   | 58.0 mm  |
| Cable                   | Standard 2m straight   |
| POWER                   |  |
| Input Voltage           | 5VDC + 10%   |
| Power Consumption       | 200 mA   |
| Laser Class             | (a) Z-3051HS: CDRH Class IIa; IEC 60825-1: Class I<br>(b) Z-3051SE: CDRH Class II; IEC 60825-1: Class II |
| EMC                     | CE & FCC DOC compliance  |
| ENVIRONMENTAL           |  |
| Operating Temperature   | (a) Z-3051HS: -20°C ~ 40°C<br>(b) Z-3051SE: -20°C ~ 55°C   |
| Storage Temperature     | -20°C ~ 60°C   |
| Humidity                | (a) Operating: 5% ~ 95% (non-condensing)<br>(b) Storage: 5% ~ 95% (non-condensing)                       |
| Shock                   | Designed to withstand 1m drops   |
| Ambient Light Injection | (a) Z-3051HS: 8500 LUX (fluorescence)<br>(b) Z-3051SE: 107644 LUX (fluorescence)                         |
| PROGRAMMING             |  |
| Programming Method      | (a) Barcode manual;<br>(b) RS-232 Command via RS-232;<br>(c) Windows AP Configuration                    |
| Firmware Update         | By flash memory  |

## Dimension



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