In-Counter Scanners

Z-6082

Compact Dual-Laser Omnidirectional Vertical Scanner

DUAL-LASER | **Z-SCAN** | **2400 SCAN RATE** | **32 SCAN LINES** | **IP54**

Features

- **Dual-laser technology**
  - Enables a 32-line scan pattern, 2,400 scans per second for lightning quick, accurate reads within a broadened scan field

- **Z-SCAN technology**
  - ZEBEX proprietary real-time hardware decoding ensures instant recognition and decoding of 1D barcodes

- **Strict IP54 standards**
  - Durable, environment-resistant housing

- **Barcode stitching**
  - An applied logic for deciphering and rebuilding damaged and truncated barcodes, increasing first-pass reads and ensures high throughput

- **Instant "objective-fly-by" automatic wake-up**
  - Reduces power demand and extends scanner life as it "wakes up" from automatic sleep mode when passed over a barcode

- **Visual diagnostic blue LED**
  - Provides enhanced user feedback of scan status

- **Easy on-site configuration & upgradeability**
  - Easy to set up and configure using either a Windows-based program or a barcode scanning-based guide; electronically erasable flash memory ensures simple on site upgrading

- **RFID reader and optional built-in EAS antenna capable**
  - Ready for fast-evolving retail market demand

Applications

Point-of-sale

Materials sorting (e.g. library and post office)

Production line management

The Z-6082 vertical laser scanner's dual-laser technology uses two laser diodes which scan in 8 directions at once, enabling 32 scan lines at a rate of 2,400 scans per second. A top performer built for extremely high-volume applications, the Z-6082 with ZEBEX's proprietary Z-SCAN hardware decoding technology delivers ultimate scanning performance from a vertical stance.

The Z-6082 comes in a rugged, cubical, aluminum dye-cast housing, meeting IP54 standards against splashed water and dust. It also comes with a visual diagnostic blue LED that provides immediate feedback of scan status, increasing accuracy and productivity. In addition, the Z-6082 is expandable, including space for a RFID reader or an optional built-in EAS antenna. Multiple interfaces include keyboard, RS-232C, USB, and aux. RS-232, enabling easy integration into virtually any environment.

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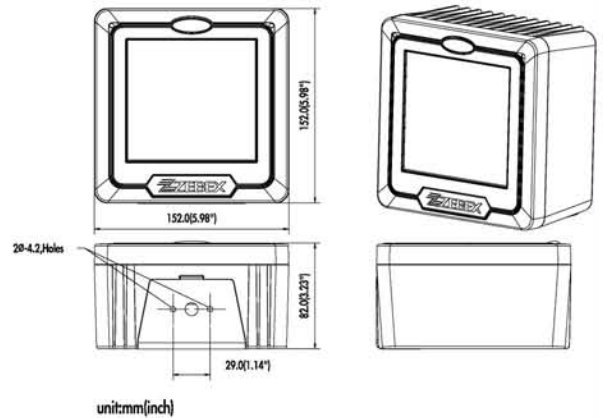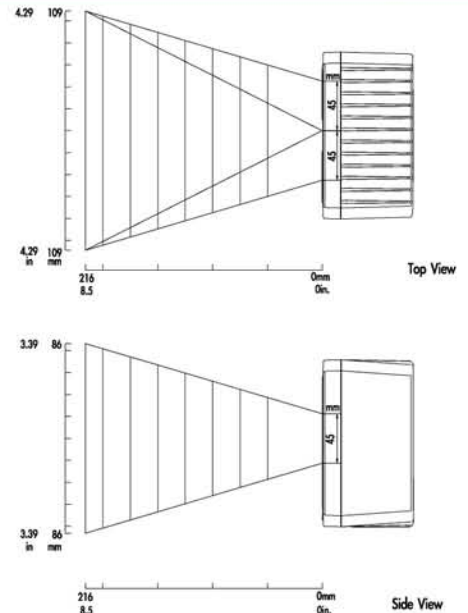E-Mail: sales@manicon.com
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ZEBEX

Z-6082 Specifications

OPERATIONAL

Light Source	Dual 650nm visible laser diodes
Depth of Scan Field	0 - 216mm
Width of Scan Field	90mm @ contact, 218mm @ 216mm of depth
Number of Scan Lines	32
Scan Speed	2400 scans per second
Scan Pattern	8 directions of scan field
Minimum Bar Width	5mil @ PCS 90%
Print Contrast	30% @ UPC/EAN 100%
Indicators (LED)	Two-color LED (blue & red)
Beeper Operation	Programmable tone and beep time
System Interfaces	Keyboard, RS-232C, USB1.1, Wand, Aux. RS-232

PHYSICAL

Height	152.0mm
Depth	82.0mm
Width	152.0mm
Weight	1.2kg
Cable	Standard 2m straight

POWER

Input Voltage	5VDC±10%
Power	1.5 Watts
Operating Current	300mA @ 5V
Laser Class	CDRH Class IIa; IEC 60825-1: Class I
EMC	CE & FCC DOC compliance

ENVIRONMENTAL

Operating Temperature	0°C - 40°C
Storage Temperature	-20°C - 60°C
Humidity	5% - 95% (non-condensing)
Light Levels	Max. 4000 LUX (fluorescence)
Shock	Designed to withstand 1m drops

Dimensions

unit:mm(inch)

Scan Field

Top View

Side View

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