



Z-6082

Compact Dual-Laser Omnidirectional Vertical Scanner



The Z-6082 vertical 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 high-volume application, the Z-6082 with ZEBEX proprietary Z-SCAN+ hardware decoding technology delivers ultimate scanning performance from a vertical stance. The Z-6082 comes in a rugged, cubical, aluminum die-cast housing, meeting IP54 standards for protection against splashed water and dust.

- Instant "object-fly-by" automatic wake-up
- EAS compatible
- Strict IP54 standards
- Barcode stitching capable

1. IP54 rigid frame & EAS compatible
2. Large window & sharp LED indicator
3. Multi-interface support & back mounting holes



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

Light Source	Dual 650 nm visible laser diodes (VLD)	
Depth of Field	5 mil: 10 – 60 mm	7.5 mil: 0 – 150 mm
	10 mil: 0 – 180 mm	13 mil: 0 – 200 mm
	20 mil: 0 – 300 mm	(Note: DOF may vary depending on environment condition and barcode quality.)
Scan Line	32	
Scan Rate	2,400 scans per second	
Scan Pattern	8 directions of scan field	
Print Contrast	30% @ UPC/EAN 100%	
Indicator	Two-color LED (blue & red)	
Beeper Operation	Programmable tone & beep time	
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM, wand	

PHYSICAL

Dimension	152.0 × 152.0 × 82.0 mm
Weight	1,200 g
Cable	Standard 2M straight

POWER

Input Voltage	5 VDC ±10%
Power Consumption	1.5 watts
Operating Current	300 mA

REGULATORY

Laser Class	CDRH Class IIa; IEC 60825-1: Class 1
EMC	CE & FCC DOC compliant, 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
Compatibility	EAS compatible

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
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