

Z-6181

Dual-Laser Omnidirectional In-Counter Scanner



- Unique dual-laser technology
- Proprietary Z-SCAN⁺ technology
- Strict IP54 standards
- Barcode stitching capable
- Instant “objective-fly-by” automatic wake-up
- Field-replaceable scratch-resistant window
- Visual diagnostic blue LED
- Easy on-site configuration and upgradeability

The Z-6181 in-counter laser scanner is a powerful scanning solution specifically designed for high-traffic environments with limited space. Like its big brother the Z-6180, the Z-6181 features dual-laser technology that enables 32 scan lines for enhanced speed and accuracy, but manages to do so in a unit that measures significantly less in size than comparable scanners.

With proprietary Z-SCAN⁺ hardware decoding technology, the Z-6181 is able to decode virtually every 1D barcode in existence with lightning-quick speed. The visual diagnostic blue LED on the Z-6181 provides immediate visual user feedback, increasing both accuracy and productivity.

Experience the difference dual-laser technology with the Z-6181 from ZEBEX.

OPERATIONAL

Light Source	Dual 650 nm visible laser diodes (VLD)
Depth of Field	0 – 216 mm (UPC/EAN 100%, PCS=90%)
Number of Scan Lines	32
Scan Rate	3,200 scans per second
Scan Pattern	8 directions of scan field
Minimum Bar Width	5 mil @ PCS=90%
Print Contrast	30% @ UPC/EAN 100%
Indicators (LED)	Two-color LED (blue & red)
Beeper Operation	Programmable tone & beep time
System Interfaces	Keyboard, RS-232C, HID USB, aux. RS-232

PHYSICAL

Dimensions	(L)232.0 × (W)192.0 × (H)102.0 mm
Weight	2,100 g

POWER

Power Supply Voltage	100 – 240 VAC, 50/60 Hz
DC Input Scanner	+12V, -12V, +5V

REGULATORY

Laser Class	CDRH Class IIa; IEC 60825-1: Class 1
EMC	CE & FCC DOC compliance

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	Max. 4,000 Lux (fluorescence)
Drop Durability	Designed to withstand 1.0M drops
Environmental Sealing	IP54 rated sealing
Compatibility	EAS compatible



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