



Z-5190

Miniature Dual-Laser Omnidirectional Scanner

This advanced scan module has a rugged and cubic housing and delivers outstanding scanning performance in an easy-to-integrate unit for any equipment of a wide variety of applications. Its added value includes multiple interfaces, and built-in with EAS antenna. For difficult work environments or heavy-traffic demands, the remarkable scanning capacity makes the Z-5190 a reliable component for anyone who pursues accuracy and efficiency!

- Proprietary Z-SCAN⁺ technology
- Instant "objective-fly-by" automatic wake-up
- Large scan field & rugged & cubic housing
- Barcode stitching capable
- Easy on-site configuration and upgradeability



1. Cubic design as a hands-free scanner or as a scan module

2. Two-way releasable cable holes for multi usages

OPERATIONAL

Light Source	650 nm visible laser diode (VLD)
Depth of Field	0 – 200 mm (UPC/EAN 100%, PCS=90%)
Scan Pattern	10 directions of scan field
Scan Rate	2,500 scans per second (omnidirectional)
Scan Line	40
Minimum Bar Width	5 mil @ PCS=90%
Print Contrast	30% @ UPC/EAN 100%
Indicator	Two-color LED (blue, red)
Beeper Operation	Programmable tone & volume
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM

PHYSICAL

Dimension	105.0 × 105.0 × 68.0 mm
Weight	320 g (without cable)
Cable	Standard 2M straight

POWER

Input Voltage	5 VDC ±10%
Power Consumption	1.6 watts
Operating Current	320 mA typical

REGULATORY

Laser Class	CDRH Class IIa; IEC 60825 Class 1
EMC	CE EN55022 B, FCC Part 15 Class B, 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% – 90% RH (no dewing allowed)
Light Level	Up to 4,000 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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