

HANDHELD SCANNER

- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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Z-3190

Handheld Gun Type CCD Scanner

Embedded with ZEBEX most advanced decoding technology, it can recognize most of the popular 1D barcodes on the market including GS1 and DataBar with superior scanning performance as high as 330 scans per second. Built with rugged, gun-type design, Z-3190 has a highly reliable exterior that can survive extremes of temperature and shock and vibration; it also includes ZEBEX' proprietary decoding technology and firmware within the system, which behave reliably and predictably in all situations.

- 32 bit proprietary **Ultrascan** decoding technology
- GS1 DataBar decoding capability
- Analog image capture technology
- 1.5M drop resistance
- Synthetic rubber handle for max. protection



OPERATIONAL

Light Source	617 nm visible red LED
Optical System	Linear CCD array
Image Sensor	2500 pixels CCD
Depth of Field	4 mil: 30 – 90 mm
	5 mil: 30 – 105 mm
	7.5 mil: 10 – 180 mm
	10 mil: 10 – 220 mm
	13 mil: 10 – 280 mm
20 mil: 10 – 360 mm	
Scan Angle	42°
Pitch/Roll/Skew Angle	±75° / ±25° / ±60°
Scan Rate	330 scans per second
Print Contrast	Min. 20% @ UPC/EAN 100%
Indicator	Beeper and LED
Programmable Operation	Beeper tone & volume
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM, wand, OPOS, JPOS

PHYSICAL

Dimension	147.0 × 62.0 × 114.5 mm (device only)
Weight	120 g (device only)
Interface Cable	Field replaceable, standard 2M straight

POWER

Input Voltage	5 VDC ±5%
Power Consumption	0.6 watts
Operating Current	110 mA typical

REGULATORY

EMC	CE & FCC DOC compliance, VCCI, BSMI
Safety	IEC 62471 Exempt

ENVIRONMENTAL

Operating Temperature	0°C – 50°C (32°F – 122°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Humidity	5% – 95% RH (non-condensing)
Light Level	0 – 100,000 Lux (fluorescence)
Drop Durability	Designed to withstand 1.5M drops
Environmental Sealing	IP41

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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1. Ergonomic gun-type handle & large trigger
2. Clear LED indicators
3. Optional adjustable stand

