# HANDHELD SCANNER

ZEBEX
www.zebex.com

## Z-3190

### Handheld Gun-Type CCD Scanner

CCD/C-MOS | 32bit ULTRASCAN | 300 SCAN RATE | LCD Friendly

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
- Synthetic rubber handle for max. protection
- Captures barcodes on mobile phone, tablet, or computer screens

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

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|---|---|
| **OPERATIONAL** | |
| Light Source | 617 nm visible red LED |
| Optical System | Linear CCD array |
| Image Sensor | 2500 pixels CCD |
| Depth of Field | Min. Bar Width: 3 mil<br>4 mil: 30 – 90 mm  5 mil: 30 – 130 mm<br>7.5 mil: 10 – 190 mm  10 mil: 10 – 220 mm<br>13 mil: 20 – 320 mm  20 mil: 10 – 360 mm<br>*(Note: DOF may vary depending on environment condition and barcode quality.)* |
| Scan Angle | 42° |
| Pitch/Roll/Skew Angle | ±75° / ±25° / ±60° |
| Scan Rate | 330 scans per second |
| Print Contrast | Min. 30% @ 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 | 135 g (device only) |
| **POWER** | |
| Input Voltage | 5 VDC ±10% |
| Power Consumption | 0.6 watts |
| Operating Current | 110 mA typical |
| **REGULATORY** | |
| EMC | CE & FCC DOC compliant, 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) |
| **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, Telepen |

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