



Z-3100

Advanced Middle-Range Handheld CCD Scanner

Z-3100 is the upgraded version of ZEBEX middle-range handheld CCD scanner with faster scan rate, longer scanning depth and better decoding ability. At a superior rate of 330 scans per second, ZEBEX proprietary **Ultrascan** hardware decoding technology empowers Z-3100 to decode the majority of 1D barcodes as well as GS1 DataBar. It has working range up to 300 mm and is able to decode a barcode wider than 102 mm.

- Proprietary **Ultrascan** decoding technology
- Streamline design and Large trigger for effortless operation
- 32 bit micro processor unit
- Analog image capture technology
- Support presentation scan mode
- 0-100,000 Lux light immunity



OPERATIONAL

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|-------------------|--|
| Light Source | 617 nm visible red LED |
| Optical System | Linear CCD array |
| Microprocessor | 32 bit |
| Depth of Field | 0 – 300 mm (UPC/EAN 100%, PCS=90%) |
| Scan Rate | 330 scans per second |
| Scan Angle | 42° |
| Minimum Bar Width | 4 mil (Code 39, PCS=90%); more than 100 mm on 0.125 mm barcode |
| Print Contrast | Min. 30% @ UPC/EAN 100% |
| Indicator | Blue LED |
| Beeper Operation | Programmable tone & beep time |
| System Interface | Keyboard, RS-232, HID USB, USB Virtual COM, wand, OPOS, JPOS |

PHYSICAL

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| Dimension | 152.3 × 64.4 × 104.9 mm (device only) |
| Weight | 120 g (device only) |
| Cable | Standard 2M straight |

POWER

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|-------------------|----------------|
| Input Voltage | 5 VDC ±5% |
| Operating Current | 110 mA typical |

REGULATORY

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

ENVIRONMENTAL

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|-----------------------|----------------------------------|
| 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 |
| Drop Durability | Designed to withstand 1.5M drops |

DECODING CAPABILITY

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| 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, Addendum 2 of 5, IATA Code, MSI/Plessey, China Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, DTF, JAP, Code 11, RSS 14, RSS Limited, RSS Expanded, Telepen |
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1. Sleek lines in a simple form factor and ergonomic grip
2. Optional holder
3. Optional adjustable stand

