

Z-3100

Linear Image Handheld 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
- Captures barcodes on mobile phone, tablet, or computer screens

1. Sleek lines in a simple form factor and ergonomic grip
2. Optional rubber holder
3. Optional adjustable stand



OPERATIONAL

| | | |
|------------------|---|--------------------|
| Light Source | 617 nm visible red LED | |
| Optical System | Linear CCD array | |
| Microprocessor | 32-bit | |
| Depth of Field | 4 mil: 0 – 60 mm | 5 mil: 0 – 100 mm |
| | 7.5 mil: 0 – 180 mm | 10 mil: 0 – 220 mm |
| | 13 mil: 0 – 285 mm | 20 mil: 0 – 350 mm |
| | (Note : DOF may vary depending on environment condition and barcode quality.) | |
| Scan Rate | 330 scans per second | |
| Scan Angle | 42° | |
| 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

| | |
|-----------|---------------------------------------|
| Dimension | 152.3 x 64.4 x 104.9 mm (device only) |
| Weight | 84 g (device only) |
| Cable | Standard 2M straight |

POWER

| | |
|-------------------|-------------------------|
| Input Voltage | 5 VDC ±10% |
| Operating Current | 100 mA @ 5V (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 |
| Drop Durability | Designed to withstand 1.5M drops |

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 |
|------------|---|

