



## 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

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

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

#### POWER

Input Voltage	5 VDC ±5%
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
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, 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

