Z-3100
Linear Image Handheld Scanner

CCD/C-MOS | **32-bit ULTRASCAN** | **330 SCAN RATE** | **LCD Friendly** | **1.5M DROP TEST**

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

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