

## 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
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