Z-3190
Handheld Gun-Type CCD Scanner

CCD/C-MOS | **32bit ULTRASCAN** | **300 SCAN RATE** | **LCD Friendly**

Embedded with ZEBEX most advanced decoding technology, it can recognize most of the popular 1D barcodes on the market including GS1 and DataBar with superior scanning performance as high as 330 scans per second. Built with rugged, gun-type design, Z-3190 has a highly reliable exterior that can survive extremes of temperature and shock and vibration; it also includes ZEBEX' proprietary decoding technology and firmware within the system, which behave reliably and predictably in all situations.

• 32-bit proprietary Ultrascan decoding technology
• GS1 DataBar decoding capability
• Analog image capture technology
• Synthetic rubber handle for max. protection
• Captures barcodes on mobile phone, tablet, or computer screens

1. Ergonomic gun-type handle & large trigger
2. Clear LED indicators
3. Optional adjustable stand

OPERATIONAL

Light Source	617 nm visible red LED
Optical System	Linear CCD array
Image Sensor	2500 pixels CCD
Depth of Field	Min. Bar Width: 3 mil
	4 mil: 30 – 90 mm 5 mil: 30 – 130 mm
	7.5 mil: 10 – 190 mm 10 mil: 10 – 220 mm
	13 mil: 20 – 320 mm 20 mil: 10 – 360 mm
	(Note : DOF may vary depending on environment condition and barcode quality.)
Scan Rate	330 scans per second
Scan Angle	42°
Pitch/Roll/Skew Angle	±75° / ±25° / ±60°
Print Contrast	45% @ UPC/EAN 100%
Indicator	Beeper and LED
Programmable Operation	Beeper tone & volume
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM, wand, OPOS, JPOS

PHYSICAL

Dimension	147.0 x 62.0 x 114.5 mm (device only)
Weight	135 g (device only)

POWER

Input Voltage	5 VDC ±10%
Power Consumption	0.6 watts
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 (fluorescence)

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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