



Z-5130

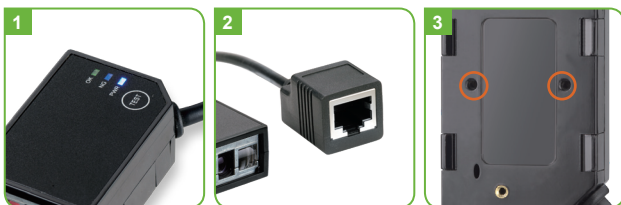
Advanced Miniature CCD Scan Module



Z-5130 has ZEBEX specially designed CCD scan engine with light beam bright and clear as laser beam that gives user best visual indication and its powerful high resolution CCD acts in outstanding performance. The Z-5130 has all the flexibility and future upgradeability, and it is certainly the greatest choice for embedded products. Gaming machines, lottery machines, handheld terminals and many more compact applications are now on your hand.

- World's smallest CCD scan module in its class
- A "test" button on top for performance testing
- Small size and preserved mounting holes for easy installation
- Great CCD scanning performance and future upgradeability on firmware
- Industrial standard design
- Best for embedded applications, kiosks, lottery machine, and others where space is limited
- Proprietary **Ultrascan** decoding technology
- Captures barcodes on mobile phone, tablet, or computer screens

1. Match box case with test button and 3 LED indicators
2. RJ-45 type interface connector
3. Back mounting holes



- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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OPERATIONAL

Light Source	617 nm visible LED; bright laser-imitated scanning line	
Optical System	Linear CCD array	
Microprocessor	32-bit	
Depth of Field	4 mil: 50 – 115 mm	5 mil: 50 – 150 mm
	7.5 mil: 50 – 210 mm	10 mil: 50 – 250 mm
	13 mil: 50 – 320 mm	20 mil: 50 – 380 mm
	<i>(Note: DOF may vary depending on environment condition and barcode quality.)</i>	
Scan Rate	330 scans per second	
Scan Angle	43°	
Minimum Bar Width	4 mil (Code 39, PCS=90%)	
Print Contrast	30% @ UPC/EAN 100%	
Indicator	"OK", "NG", "PWR" and "TEST" button	
Beeper Operation	Programmable tone & beep time	
System Interface	RS-232, HID USB, USB Virtual COM, OPOS, JPOS	

PHYSICAL

Dimension	39.0 × 26.6 × 15.8 mm
Weight	15 g (cable excluded)

POWER

Input Voltage	5 VDC ±10%
Operating Current	120 mA typical

REGULATORY

EMC	CE & FCC DOC compliant, VCCI, BSMI
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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

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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