

SCAN ENGINES

* Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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Z-5110 / Z-5111

Advanced Miniature CCD Scan Engine

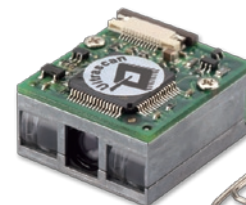
Industrial form factor plus outstanding scanning of its class, ZEBEX miniature CCD scan engine provides trustable performance and flexibility in any kinds of applications. It eases your OEM design with differences from others.

- Durable and compact in size with industrial form factor
- Outstanding scanning performance of up to 330 scans per second
- Come in decoded and non-decoded versions
- Satisfy every application even under sunlight

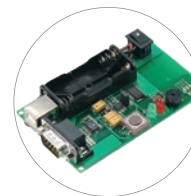
MODELS	Z-5110	Z-5111
Description	Non-decoded	With decoder
OPERATIONAL		
Light Source	617 nm visible LED; bright laser-imitated scanning line	
Optical System	Linear CCD array	
Microprocessor	Non-decoded	32 bit
Depth of Field	45 – 240 mm (EAN-13 100%, PCS=90%)	300 mm (EAN-13 100%, PCS=90%)
Scan Angle	42°	43°
Scan Rate	100 scans per second	330 scans per second
Minimum Bar Width	0.1 mm (0.07 mm actually)	
Print Contrast	Min, 30%	
Connector	8 lower contact ZIF connector	12 lower contact ZIF connector
Interfaces	TTL laser emulation output	RS-232C (TTL level), HID USB, USB virtual COM Port
PHYSICAL		
Dimensions	22.8 x 20.5 x 11.8mm	
Weight	12 g	
POWER		
Input Voltage	3.0 – 3.6 VDC	3.3 VDC ±10%
Operating Current	50 mA typical	105 mA typical
Power-saving Mode Current		50 uA
REGULATORY		
EMC	CE EN55022B; FCC Part 15 Class B, VCCI, BSMI	
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)	
Ambient Light Immunity	Max. 4,500 Lux (fluorescence)	0 – 100,000 Lux. (any lighting condition)
Shock	2,000 G	



Z-5110



Z-5111



Demo board

Free JavaPOS & OPOS Software
 Utilities Download Available

