SCAN MODULE

Z-5160
Advanced Middle-Range CCD Scan Module

CCD/C-MOS | **32bit ULTRASCAN** | **LCD Friendly** | **330 SCAN RATE**

The middle-range scan module is highly customizable and simple to use. With an easy-to-integrate design and an outstanding scanning performance, this middle-range CCD scan module is especially made for embedded scanning solution. Its powerful linear CCD array enables 330 scans per second with a minimum resolution of 4 mil for fast scans. The module has a 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 remarkable performance.

- Proprietary Ultrascan decoding technology
- Compact industrial housing design
- Flexible communications
- Analog image capture technology
- Captures barcodes on mobile phone, tablet, or computer screens

1. Cubic design with aluminum die-casting housing
2. Back mounting holes

OPERATIONAL

Light Source	617 nm visible LED
Optical System	Linear CCD array
Microprocessor	32-bit
Depth of Field	4 mil: 20 – 80 mm 5 mil: 15 – 115 mm 7.5 mil: 10 – 160 mm 10 mil: 10 – 220 mm 13 mil: 5 – 280 mm 20 mil: 20 – 360 mm (Note: DOF may vary depending on environment condition and barcode quality.)
Scan Rate	330 scans per second
Minimum Bar Width	0.1 mm (0.07 mm actually); (Code 39, PCS=90%)
Print Contrast	30% @ UPC/EAN 100%
Beeper Operation	Programmable tone & beep time
Indicator	Two-color LED (green & red)
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM, OPOS, JPOS

PHYSICAL

Dimension	80.0 x 65.0 x 30.3 mm
Weight	121.5 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

ENVIRONMENTAL

Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	20% ~ 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

Entrance Control | **Self Check-In** | **ATM Banking** | **Price Checker Info Kiosk** | **Gaming / Lottery**