ZEBEX

Z-5212

2017 NEW
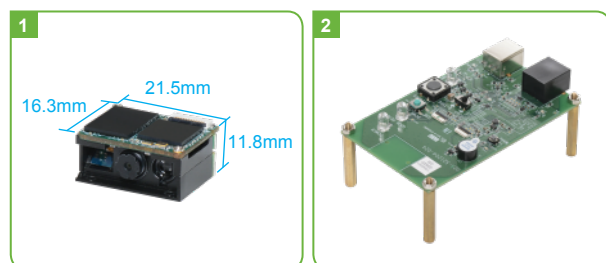
2D Image Scan Engine

2D **LCD Friendly**

High scanning speed without compromising performance, Z-5212 is a powerful 2D image scan engine that easily decodes most 1D and 2D barcodes with intuitive aiming accuracy. It also supports standard serial, USB interface that can be easily integrated with most hardware platform. The compact dimensions can be effortless designed in into most space-constrained products, including mobile computers, kiosks, lottery machine and more. Z-5212 is the perfect solution for many industries.

- Ultra small size
- No separate decoder board required
- Flexible interface communications
- Outstanding 1D and 2D scanning performance
- Captures barcodes on mobile phone, tablet, or computer screens

ATM Banking **Price Checker Info Kiosk** **Gaming / Lottery** **Entrance Control**

1. Micro size with superb performance.
2. Demo board.

16.3mm 21.5mm 11.8mm

OPERATIONAL	
Aiming Element	617 nm LED
Illumination Element	617 nm LED
Optical System	1280H × 800V pixels (1.0M)
Scan Angle	38.2° horizontal; 24.3° vertical
Sensitivity	360° (omnidirectional rotational sensitivity)
Depth of Field	Code39 (5 mil) : 70 - 110 mm EAN 13 (13 mil) : 60 - 260 mm *(Note : DOF may vary depending on environment condition and barcode quality.)*
Minimum Resolution	5 mils (Code39)
Print Contrast	30% @ UPC/EAN 100%
Programmable Operation	Beeper tone
Connector	12 lower contact ZIF connector
System Interface	RS-232 (TTL level) HID, USB, USB Virtual com
PHYSICAL	
Dimension	21.5(W) x 11.8(H) x 16.3(D) mm
Weight	3.5 g
POWER	
Input Voltage	3.3 VDC or 5 VDC
Operating Current	250 mA typical
REGULATORY	
EMC	CE & FCC DOC compliant
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)
DECODING CAPABILITY	
1D Barcode	UPC/EAN (UPCA/UPCE/ EAN-8/ EAN-13, ISBN (Bookland), ISSN), Code 39 (Standard, Full ASCII, Trioptic, Code 32 (Italian Pharmacode), Code 128, Code 93, Codabar, 2 of 5 (Interleaved 2 of 5, Discrete 2 of 5, IATA, Chinese 2 of 5, Matrix 2 of 5, Code 11), MSI Plessey, GS1 DataBar (Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked)
2D Barcode	PDF417, MicroPDF417, Composite Codes (CC-A, CC-B, CC-C), Aztec (Standard, Inverse), Maxicode, Data Matrix/ ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro)