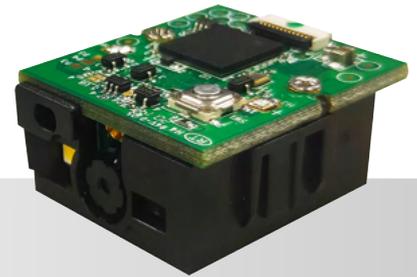


Z-5112GT

2D Image Scan Engine



High scanning speed without compromising performance, Z-5112 GT 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 effortlessly designed into most space-constrained products, including mobile computers, kiosks, lottery machine and more. Z-5112 GT is the perfect solution for many industries.

- More easy integration
- No separate decoder board required
- Flexible interface communications
- Outstanding 1D and 2D scanning performance
- Captures barcodes on mobile phone, tablet, or computer screens
- Healthcare label compliance: Supports GS1 and FMD format, can scan barcodes on medicine and vaccine

1. Miniature in size with superb performance
2. Demo board
3. Excellent expandability : Micro USB interface & buzzer.



OPERATIONAL

Light Source	617 nm visible LED
Illumination Element	White LED
Image Sensor	1280 x 800 CMOS
Scan Angle	38.6°H x 24.9° V
Depth of Field	Code39 (5 mil) : 60 – 160 mm EAN 13 (13 mil) : 40 – 280 mm <small>(Note: DOF may vary depending on environment condition and barcode quality.)</small>
Minimum Resolution	4 mils (Code39)
Print Contrast	30% @ UPC/EAN 100%
Indicator	Blue LED
Beeper Operation	Scan mode, Beeper tone
Connector	12 lower contact ZIF connector or Micro usb (In I/O board)
System Interface	Z-5112 GT : (Interface : 12 pin ZIF) RS-232 (TTL level), USB HID, USB Virtual com, OPOS, JPOS Z-5112 GT (U) : (Interface : Micro USB) USB HID, USB Virtual com, OPOS, JPOS

PHYSICAL

Dimension	24 (W) x 13.3 (H) x 27 (D) mm 30 (W) x 13.3 (H) x 27 (D) mm (with I/O board)
Weight	6g / 8.5g (with I/O board)

POWER

Input Voltage	3.3 VDC / 5 VDC (with I/O board)
Operating Current	180 mA @ 3.3V (Typical)

REGULATORY

EMC	CE, FCC, VCCI, BSMI, UKCA
Safety	IEC 62471 Exempt

ENVIRONMENTAL

Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Humidity	5% ~ 95% RH (non-condensing)
Vibration	4.45 grms, 20-2000Hz, 3 axes
Shock	3000g/ 0.3ms/ 6 faces

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 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)



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

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