

# SCAN MODULE

## Z-5652 Ultra 2D Image Scan Module



Lighting speed without compromising performance, the scanner features a powerful 2D engine that easily decodes most 1D and 2D barcodes with intuitive aiming accuracy. It also excels at reading barcodes on smart phone screens and barcodes that are poorly printed. It is the perfect solution for medical industry, retail stores, smart phone applications, and the banking industry.

- Exceptional motion tolerance.
- High speed and reliable performance on all common 1D and 2D codes.
- Captures barcodes on mobile phone, tablet, or computer screens.
- Highly flexible design for easy mounting.
- Healthcare label compliance: Supports GS1 and FMD format, can scan barcodes on medicine and vaccine



1. Compact size for easy installing.
2. LED indicator, buzzer, trigger button.
3. Tripod socket & mounting holes.



- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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OPERATIONAL	
Aiming Element	617 nm LED
Illumination Element	617 nm LED
Image Sensor	1280 x 800 CMOS
Scan Angle	44.4° H x 29.1° V
Sensitivity	360° (omnidirectional rotational sensitivity)
Depth of Field	Code39 (5 mil) : 65 - 115 mm EAN 13 (13 mil) : 40 - 250 mm <i>(Note : DOF may vary depending on environment condition and barcode quality.)</i>
Minimum Resolution	4 mils (Code39)
Print Contrast	30% @ UPC/EAN 100%
Indicator	Two-color LED (blue, red)
Programmable Operation	Scan mode, Beeper tone
System Interface	RS-232, USB
PHYSICAL	
Dimension	24.3 × 42.6 × 63.3 mm (device only)
Weight	110 g
Interface Cable	Standard 2M straight
POWER	
Input Voltage	5 VDC ± 10%
Operating Current	230 mA @ 5V ( Typical )
REGULATORY	
EMC	CE & FCC DOC compliant; VCCI; BSMI
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)
Drop Durability	Designed to withstand 1.5M drops
Light Level	Max. 100,000 Lux
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)

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