**ZEBEX**
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# Z-5252 Series
## Compact 2D Image Scan Module



**2D** | **LCD Friendly** | **DROP TEST 1.2M**
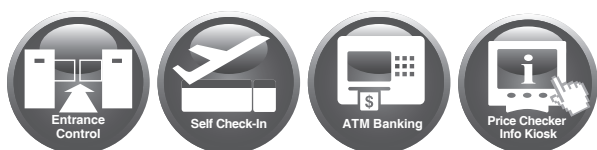
The 2D image scan module provides high-quality performance and rapid scanning speed with exceptional first-read-rate of even damaged and poorly printed barcodes. The easy to use device guarantees worker productivity with its extensive features including compact design, flexible mounting options and solid functionality.

• Unique LED aiming design
• Exceptional motion tolerance
• Decode most 1D & 2D barcodes
• Captures barcodes on mobile phone, tablet, or computer screens

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

**1.** Intelligent and industrial housing design
**2.** Flexible mounting options



● Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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| MODELS | | Z-5252SR | Z-5252HD |
|---|---|---|---|
| Description | | Standard working range | High density decoding |
| **OPERATIONAL** | | | |
| Aiming Element | | Dot Optical Power : 0.19 mW (typical) | |
| Illumination Element | | 625 ±5 nm | |
| Optical System | | 752H × 480V pixels (wide VGA) | |
| Field of View | | 39.2° horizontal, 25.4° vertical | 38.4° horizontal; 24.9° vertical |
| Focusing Distance | | 13.3 cm / 5.2 inch | 6.9 cm / 2.7 inch |
| Sensitivity | | 360° (omnidirectional rotational sensitivity) | |
| DOF | Code 39 (5 mil) | 30 – 210 mm | 30 – 160 mm |
| | Code 39 (13 mil) | 40 – 420 mm | 40 – 240 mm |
| | PDF 417 (10 mil) | 30 – 260 mm | 20 – 150 mm |
| | DataMatrix (10 mil) | 80 – 120 mm | 40 – 110 mm |
| | | *(Note: DOF may vary depending on environment condition and barcode quality.)* | |
| Minimum Bar Width | | 4 mil (Code 39), 5 mil (PDF 417), 7.5 mil (Data Matrix) | 3 mil (Code 39), 4 mil (PDF 417), 5 mil (Data Matrix) |
| Print Contrast | | 30% @ UPC/EAN 100% | |
| Indicator | | Blue LED | |
| Programmable Operation | | Power mode, beeper tone, focus control, image control | |
| Image Format | | BMP(*.bmp), TIFF(*.tif), JPEG(*.jpg) | |
| System Interface | | RS-232, USB 1.1 | |
| **PHYSICAL** | | | |
| Dimension | | 70.3 × 47.2 × 29.3 mm (without cable) | |
| Weight | | 92.05 g (device only) | |
| Cable | | Standard 2M straight | |
| **POWER** | | | |
| Input Voltage | | 5 VDC ±5% | |
| Power Consumption | | 1.25 watts | |
| Operating Current | | 250 mA typical | |
| **REGULATORY** | | | |
| EMC | | CE & FCC DOC compliant, 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) | |
| Light Level | | Max. 100,000 Lux (fluorescence) | |
| Drop Durability | | Designed to withstand 1.2M drops | |
| **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 | |
| 2D Barcode | | PDF 417, MicroPDF 417, MaxiCode, DataMatrix, DataMatrix Inverse, QR Code, QR Inverse, MicroQR Code, Aztec Code, Aztec Inverse, Postal Code | |

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