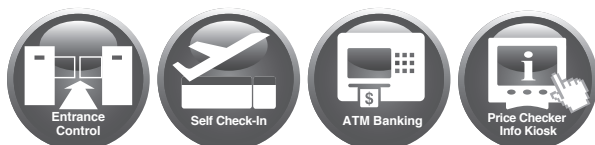# Z-5152 Series
2D Image Scan Module

2D   **LCD Friendly**   **DROP TEST 1.2M**

Featured to decode most popular 1D and 2D barcodes, the Z-5152 Series is designed with die-casting housing suits for most rugged embedded applications and boosting for guaranteed performance. The Z-5152 Series is designed to upgrade everyone's productivity, and broaden the applications widely with 2D barcode scanning capability. For shipping industry, hospital, warehouse, factory, supermarket, to government administration, the Z-5152 Series can manage heavy and complex services accurately and efficiently.

- Support multiple code formats
- Intelligent and industrial housing design
- 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. Cubic design with aluminum die-casting housing
2. Back mounting holes

- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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MODELS	Z-5152SR	Z-5152HD
Description	Standard working range	High density decoding
OPERATIONAL		
Aiming Element	650 nm visible laser diode (VLD)	
Illumination Element	625 ±5 nm	
Optical System	752H × 480V pixels (wide VGA)	
Field of View	39.6° horizontal; 25.7° vertical	38.4° horizontal; 24.9° vertical
Focusing Distance	20.3 cm / 8 inch	7.4 cm / 2.9 inch
Sensitivity	360° (omnidirectional rotational sensitivity)	
DOF	5 mil (Code 39) 40 – 200 mm 13 mil (Code 39) 30 – 410 mm 10 mil (PDF 417) 30 – 260 mm 10 mil (DataMatrix) 80 – 120 mm	4.33 mil (PDF 417) 30 – 100 mm 10 mil (PDF 417) 20 – 120 mm 5 mil (Code 39) 20 – 110 mm 13 mil (UPCA) 45 – 170 mm
	(Note: DOF may vary depending on environment condition and barcode quality.)	
Print Contrast	30% @ UPC/EAN 100%	
Indicator	Green LED	
Programmable Operation	Power mode, beeper tone, focus control, image control	
Image Format	BMP(*.bmp), TIFF(*.tif), JPEG(*.jpg)	
System Interface	RS-232, USB1.1	
PHYSICAL		
Dimension	66.9 × 52.9 × 32.0 mm	
Weight	210 g	
Cable	Standard 2M straight	
POWER		
Input Voltage	5 VDC ±5%	
Power Consumption	1.4 watts	
Operating Current	280 mA typical	
REGULATORY		
EMC	CE & FCC DOC compliant	
ENVIRONMENTAL		
Operating Temperature	0°C – 40°C (32°F – 104°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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