

## Z-5152 Series

### 2D Image Scan Module



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



1. Cubic design with aluminum dye-casting housing
2. Back mounting holes

MODELS	Z-5152SR	Z-5152HD
Description	Standard working range	High density decoding
<b>OPERATIONAL</b>		
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)	
Resolution	Code 39 (5 mil): 40 – 200 mm Code 39 (13 mil): 30 – 410 mm PDF 417 (10 mil): 30 – 260 mm DataMatrix (10 mil): 80 – 120 mm	PDF 417 (4.33 mil) 30 – 100 mm Code 39 (5 mil): 40 – 130 mm Code 39 (13 mil): 50 – 180 mm PDF 417 (10 mil): 30 – 130 mm DataMatrix (10 mil): 40 – 110 mm
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	
<b>PHYSICAL</b>		
Dimension	66.9 × 52.9 × 32.0 mm	
Weight	210 g	
Cable	Standard 2M straight	
<b>POWER</b>		
Input Voltage	5 VDC ±5%	
Power Consumption	1.4 watts	
Operating Current	280 mA typical	
<b>REGULATORY</b>		
EMC	CE & FCC DOC compliance	
<b>ENVIRONMENTAL</b>		
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	
<b>DECODING CAPABILITY</b>		
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	

