SCAN MODULES

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Z-5152 Series

2D Image Scan Module

Featured to decode most popular 1D and 2D barcodes, the Z-5152 Series is designed with dye-casting housing suits for most rugged embedded applications and boosting for guaranteed performance.

- Multiple code format support
- Advanced scanning performance
- Intelligent and industrial housing design
- Flexible communications

MODELS	Z-5152SR	Z-5152HD	Z-5152DL
Description	Standard working range	High density decoding	Driver's license optimized
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	39.2° horizontal; 25.4° vertical
Focusing Distance	20.3 cm / 8 inch	7.4 cm / 2.9 inch	13.5 cm / 5.3 inch
Sensitivity	360° (omnidirectional rotational sensitivity)		
Resolution	4 mil (PDF 417), 5 mil (Code 39), HD focus only		
Print Contrast	30% @ UPC/EAN 100%		
Indicators (LED)	Green LED		
Programmable Operation	Power mode, beeper tone, focus control, image control		
Image Format	BMP(*.bmp), TIFF(*.tif), JPEG(*.jpg)		
System Interfaces	RS-232C, USB1.1		
PHYSICAL			
Dimensions	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 compliance		
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 Levels	Max. 100,000 Lux (fluorescence)		
Drop Durability	Designed to withstand 1.2M drops