

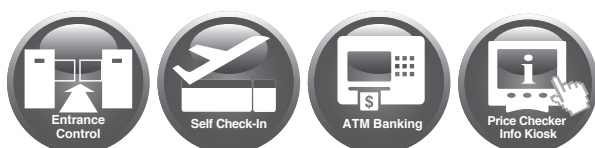
Z-5252 Series

Compact 2D Image Scan Module



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



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	5 mil (Code 39)	65 – 150 mm	5 mil (Code 39)	20 – 110 mm
	10 mil (PDF 417)	25 – 200 mm	10 mil (PDF 417)	20 – 120 mm
	10 mil (DataMatrix)	50 – 310 mm	13 mil (UPCA)	45 – 170 mm
	13 mil (UPCA)	55 – 340 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			