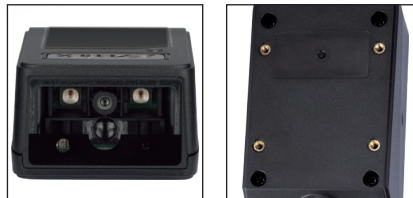# SCAN MODULE

Z-5252 Series NEW

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

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)	
Resolution	Code 39 (5 mil): 30 – 210 mm Code 39 (13 mil): 40 – 420 mm PDF 417 (10 mil): 30 – 260 mm DataMatrix (10 mil): 80 – 120 mm	Code 39 (5 mil): 30 – 160 mm Code 39 (13 mil): 40 – 240 mm PDF 417 (10 mil): 20 – 150 mm DataMatrix (10 mil): 40 – 110 mm
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	155 g (with RS-232 cable), 134 g (with USB cable)	
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 compliance, 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 1.5M 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	

Entrance Control

Self Check-In

ATM Banking

Price Checker Info Kiosk

Membership / Staff

Gaming / Lottery

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

ZEBEX