

Z-6112 Series

Hands-Free 2D Image Reader

Equipped with powerful 2D scan engine, Z-6112 Series hands-free 2D image readers decode most popular 1D and 2D barcodes with quick and accurate performance and have strengthened its application to where smaller counter space is available. The Z-6112 Series can also be used as scan modules with two mounting holes that benefit any embedded use with easy.

- Powerful image sensor yields advanced scanning performance
- Compact module designed for all kinds of niche applications
- Optional 3D turning cradle



1. Optional 3D variable cradle
2. Compact cubical design
3. Fits in the smallest counter space

MODELS	Z-6112SR	Z-6112HD
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)	
Resolution	Code 39 (5 mil): 40 – 180 mm Code 39 (13 mil): 40 – 380 mm PDF 417 (10 mil): 30 – 260 mm DataMatrix (10 mil): 60 – 140 mm	PDF 417 (4.33 mil): 30 – 80 mm Code 39 (5 mil): 15 – 130 mm Code 39 (13 mil): 30 – 180 mm PDF 417 (10 mil): 15 – 110 mm DataMatrix (10 mil): 15 – 100 mm
Print Contrast	30% @ UPC/EAN 100%	
Indicator	Two-color LED (green & red)	
Programmable Operation	Power mode, beeper tone, focus control, image control & trigger mode	
Image Format	BMP(*.bmp), TIFF(*.tif), JPEG(*.jpg)	
System Interface	RS-232, USB1.1	
PHYSICAL		
Dimension	110.9 × 65.8 × 70.0 mm (on fixed stand); 122.2~253.0 × 120.3~163.3 × 74.0 mm (on optional cradle)	
Weight	200 g (on stand); 350 g (on optional cradle)	
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, BSMI	
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 1.5M 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	

