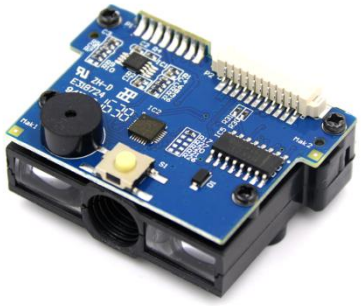
Rakinda LV12

1D CCD Module

LV12 is a sort of utilitarian embedded barcode reading engine. Applying to Computerized CCD Image Recognition System, it ensures the fast scanning and decoding accuracy on popular 1D barcodes.



This module is specialized to be integrated into OEM equipment to provide solutions for all kinds of lockers, and medical facilities. Integrated core components guarantee the reliability and stability of the product, and decrease the rate of failure of the scanner.

Characteristic

- Linear barcode scanning: fast and easy to scan print code, paper code, screen code, and have nice performance in scanning abrasion code, fuzzy code and even damaged code
- Multiple interfaces support: support USB、TTL-RS232、RS232、PS2、USB-COM.
- USB fast transmission：to improve work efficiency, for better user experience.
- Secondary development: support secondary development, and have been widely used in all kind of MCU.
- Wide application area: apply to all kinds of lockers, MCU development and for medical and scientific research.

Rakinda LV12 Parameters

Physical Parameter	
Device Weight	<16g
Device Dimension	32.2mm L * 44.15mm W * 20mm H
Cable Length	1500mm（optional）
Interface	USB/TTL-RS232/RS232/PS2
Connector	11pin pitch 1.25
Performance parameters	
Light source	632nm visible red light
Image Sensor	Linear CCD Sensor
Processor	ARM32-bit
Depth of field	3-70CM
Resolution	≥3mil/0.1mm@PCS90%
Print Contrast	30%PCS
Work Voltage	DC 3.3-5V
Electriccurrent	110mA（work）；30mA（stand by）
Image Resolution	2500dpi
Ambient illumination	100,000Lux Max
Decode Capability	EAN-8, EAN-13, Codabar, CODE11, CODE 39, CODE 93, CODE128,China Post, GS1-128, GS1 Limited, GS1 Omnidirectional, UPC-A, UPC-E, ISBN/ISSN, ISBT , Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, MSI, Plessey, ITF14.
Environmental parameters	
Operating Temperature	-20℃ to 50℃
Storage Temperature	-40℃ to 70℃
Relative humidity	5% to 95%（Non-condensing）
Drop test	1.2meter，100times
Shock resistance	10H@125RPM