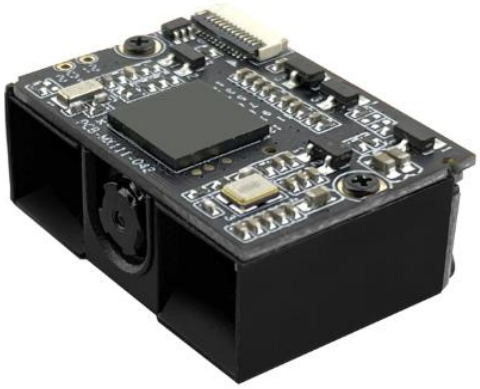
RD11C 2D Barcode Scanner Engine specification



Features:

High Performance & Ultra-Low Power Consumption:

The engine can read 1D and 2D barcodes with a power consumption only one third that of a traditional engine.

All-in-One Design:

Seamless integration of image sensor and decoder board makes the scan engine small, lightweight and easy to fit into even the most space-constrained equipment.

Multiple Interfaces:

The RD11C support TTL-232 12pin serial communication methods,or USB to meet diverse customer needs.

Application Scenarios (as an accessory)

Mini size better for DIY barcode scanner products,widely Application used in traditional self-service devices, PDAs, tablets and other thin & light mobile devices.

Shenzhen Rakinda Technologies Co., Ltd

RD11C 2D Scan Engine

Specification	
Optical System	640 pixels(H)x 480 pixels(V)
Illumination Element	Aiming: 617nm LED; Illumination 3200K White LED
Depth of Field	40 mm - 280 mm @UPCA -13 mil 100 %,PCS 90%
Scan Angle	38° (H) x 25° (V)
Min. Bar Width	0.1mm(4mil)@Code 39, PCS=90%
Scan Mode	Trigger mode, Auto-sensing, Continuous scan, Pulse mode
Print Contrast	> 30%(UPC/EAN 100% , PCS 90%)
System Interface	TTL232 (12pin), USB 1.1 (HID Keyboard、Virtual COM Port)
Depth of Field	
Physical Characteristics	
Dimensions	28.2mm x 20.5mm x 11.8mm
Weight	About 5g
Input Voltage	DC 3.3V±5%
Operating Current	130 mA ±5%（Typical）, 300 mA ±5%（Max.）
REGULATORY	
EMC	CE EN55022 B, FCC Part 15 Class B, VCCI, BSMI
Environment & Safety	
Operating Temperature	-20℃~50℃
Humidity	5%~95% (non-condensing)
Storage Temperature	-40℃~+70℃
Light Level	0~100,000Lux（fluorescence ）
Decoding Capability	
UPC/EAN/JAN,UPC-A & UPC-E,EAN-8 & EAN-13, JAN-8 &JAN-13, ISBN/ISSN, Code 39 (with full ASCII), Codabar (NW7), Code 128 & EAN 128,Code 93,Interleaved 2 of 5 (ITF),Addendum 2 of 5, IATA Code,MSI/Plessy, China Postal Code,Code 32 (Italian Pharmacode),RSS 14,RSS Limited, RSS Expanded PDF417 MicroPDF417 Data Matrix QR Code Micro QR Code Aztec Code Maxi Code Reads barcode reliably of cell phone screens	
Declaration	
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