RAKINDA
远景达集团（深圳）

www.rakinda.com

LV4200-PT

QR barcode engine

Core Technology

- Excellent screen reading ability
- Multiple interface
- Environmental protection low power

Features:

UIMG® core technology

The sixth generation core decoding technology UIMG®developed by ourselves can quickly read the bar codes of various qualities.

Excellent screen literacy

Special adjustment for screen barcodes, which can adapt to large brightness screen barcodes with low brightness and various types of film.

Multiple interface

USB and TTL-232 interfaces are available to meet more interface needs.

Environmental protection low power

The use of autonomous core technology greatly reduces operating power consumption and extends equipment life.

Application scenario (as a device accessory):

Car POS, VTM cabinet, e-commerce counter, smart home locker, ATM self-service cabinet, self-service inquiry terminal, queuing call equipment, etc.

LV4200-PT

2D Barcode reading engine

Scanning performance		
Image Sensor	640*480 CMOS	
Illumination	White LED	
Symbologies	2D	PDF417, Data Matrix (ECC200,ECC000,050,080,100,140), QR Code,汉信码
	1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, UCC/EAN-128, ISBN, ITF-6, ITF-14, Code 93, Code 11, Standard 2 of 5, GS1 Databar, Matrix 2 of 5, Interleaved 2 of 5, Industrial 2 of 5, MSI-Plessey, Plessey等
Reading accuracy*	≥3mil	
Depth of field*	EAN-13	5mm~70mm(13mil)
	PDF417	11mm~20mm(6.7mil)
	Data Matrix	11mm~17mm(10mil)
	QR Code	10mm~35mm(15mil)
Mobile bus code***	12mm~103mm	
Symbol contrast*	≥25%	
Bar code sensitivity**	Tilt ±30°, deflection ±35°, rotation 360°	
	Field of view angle 85°, vertical 68°	

Communication interface TTL-232, USB

Appearance size (mm) 61 (W) × 65 (D) × 41 (H)mm (MAX)

Weight 36g

Working voltage 12pin FPC horizontal socket: 3.3-5 VDC±5%

4pin DuPont outlet interface: 5 VDC ± 5%

Rated power consumption 665.2mW (typical)

Current @3.3 VDC Operation 136.6mA (typ), 139.7mA (max)

Standby 16.5mA

Sleep 3.9mA

Environmental parameters Operating temperature -40° C~+65° C

Storage temperature -40° C~+80° C

Working humidity 5%~95% (no condensation)

Ambient light 0~100,000 LUX

International Certification FCC Part15 Class B, CE EMC Class B

Accessories List Development Board	Development board with trigger button and buzzer with RS-232 and USB
Data cable USB	USB data cable for connecting to the development board and information receiving host
RS232	RS232

Data cable for connecting to the development board and information receiving host

Power adapter 5V power adapter, with RS232 data cable to power the development board

*Test conditions: Ambient temperature = 23 ° C; Ambient illumination = 300 LUX incandescent lamp; Test sample code developed using New World

**Test conditions: test distance = (minimum depth of field + maximum depth of field) / 2; ambient temperature = 23 ° C ambient illumination = 300 LUX incandescent 2D: QR CODE; 10 Bytes; minimum strip width = 15 mil; PCS = 0.8 ;

***Test conditions: use 5.5 inch Android phone, use Hangzhou bus code test

* Specifications are subject to change without notice * Version: 2018/3/15 V1.1