

LV4300Y

OCR Embedded Scan Engine

OCR Embedded scan engine, all-in-one solution for seamless, high-performance scanning!



Product Advantages

Core Technology

Independent research and development of core technologies, can be matched with customer development or customized needs

The Code System is Complete

Compatible with mainstream QR codes on the market;
Supports standard OCRA and OCRB character set recognition

High Scanning Performance

Can quickly read the paper bar code and screen code

Increase the Wide Voltage Option

Standard: 4.5V-5.5V Power supply (default);
Customization: 3.3V-3.6V (customized)
4.5V-16V wide voltage (customized)

High Integration Density

High integration, stable and reliable

Protocol interface is rich

Protocol: default interface USB, TTL_3.3V
RS232 and RS485 are customizable



Application Scenario

Kiosk, turnstiles, Small self-service checkout equipment, etc.

Product Specifications

Scan Performance	
Image Sensor	640x480 CMOS
Lighting	White. LED 6500K
Read the Code	2D PDF417, Data Matrix, QR Code, HanXin, AZTEC, maxicode
	1D EAN-13, EAN-8, UPC-A, UPC-E, Code 39, Code 128, ISBN, Code 93, Code 11, UCC/EAN-128, GS1 Databar, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Codabar, Standard 2 of 5, MSI-Plessey, GS1 composite code, etc
Reading Accuracy	1D 5mil 2D 7mil
Typical Reading Depth of Field	30-220MM Alipay payment code
	50-120MM EAN13 13mil
Contrast of symbols	20%
Barcode Sensitivity	Tilt $\pm 55^\circ$, deflection $\pm 55^\circ$, rotation 360°
Field Angle	Horizontal 71° , vertical 60°
Machinery Electrical Parameters	
Communication Interface	USB (optional, HID, virtual serial port), TTL serial port; Customizable RS232, RS485
Dimensions (mm)	65(D) \times 60.5(W) \times 23.2Max(H)
Weight	30g
Working Voltage	Power supply 1: 4.5V-5.5V (default)
	Power supply 2: 3.3V-3.6V (customized)
	Power supply 3: 4.5V-16V (customized)
Rated Current	(typical value) less than 150mA (5V input)
Environmental Parameter	
Working Temperature	-20°C ~ $+60^\circ\text{C}$
Storage Temperature	-40°C ~ $+70^\circ\text{C}$
Working Humidity	5%-95%(no condensation)
Environmental Light	0-100,000LUX
Heat Shock Resistance	
Maximum Temperature	60°C (140°F)
Minimum Temperature	-20°C (-4°F)
Cycle Index	30 minutes for high temperature: 30 minutes for low temperature
Period	24

Contact Information



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