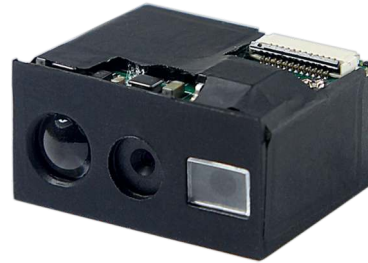


XL-3030ER

2D Scan Embedded Module

Image scanning

Compact size, easy integration



1D/2D



Mobile payment



Auto



ARM



1280x800 Pixels

Applications



Features

- High-performance imaging technology with ultra-long depth of field
- Reads high-density codes and difficult-to-decipher barcodes effortlessly
- High resolution enables fast decoding of screen codes and commodity barcodes
- Compact size for seamless embedding into all types of mobile computers
- Supports secondary development to satisfy host control and interaction requirements

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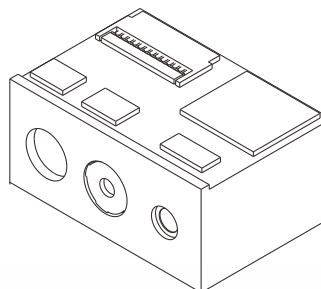


XL-3030ER

Technical Parameters

Performance Parameter

Light Source	White LED (Lighting), Crossed laser aiming
CPU	ARM
Image Sensor	CMOS
Scan Mode	Induction & Manual & Command Trigger
Image Size	1280x800 Pixels
Scanning Speed	60 FPS
Mobile Tolerance	1m/s
Mnimum Resolution	≥3mil
Print Contrast	≥20%
Scanning Angle	Deflection 360°, inclination ±65°, rotation ±60°
Depth of Field	70~740mm@(13mil Code 39 PCS=90%)
Decoding Capability	1D: Codabar, Code11, Code39, Code32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code93, Code128, GS1-128, UPC-A, UPC-E, EAN 8, EAN 13, GS1 DataBar (RSS14), GS1 DataBar Limited, GS1 DataBar Expanded, etc 2D: PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec Code



Other Parameters

Size	LxWxH: 21.3x14.5x11.5 (mm)
Weight	3.3g
Input Voltage	DC 3.3V
Working Current	198mA (Scanner)
Quiescent Current	52mA (Scanner)
Stand-by Current	< 1uA (Scanner)
Interface	TTL, USB-HID, USB-VCP
Temperature (Operating)	-10°C ~ 50°C
Humidity	5% to 95% (Non-condensing)
Temperature (Storage)	-20°C ~ 60°C
Resistance To Ambient Light	0 ~ 100,000Lux (Sunlight)

Interface Definition

Use 12Pin FPC connector with 0.5mm pitch and 12Pin cable with 0.5mm pitch for FPC connection			
Pin	Name	Type	Description
①	NC		
②	VCC	Power	DC 3.3V
③	GND	Ground	Ground
④	RXD	Input	Serial communication data input pin(TTL level)
⑤	TXD	Output	Serial communication data output pin(TTL level)
⑥	D-	IO	USB DM
⑦	D+	IO	USB DP
⑧	NC		
⑨	BEEP	Output	Sound output pins that require an external buzzer drive circuit
⑩	LED	Output	Decoder success indicator output pin, requires external LED driver circuit
⑪	RST_N	Reset	The low level of 10ms drives the device to rest
⑫	TRIGGER	Input	Read code trigger pin,keep low level effective for 10ms, keep high level normally

The Depth Of Field Performance

Type	Minimum (mm)	Maximum (mm)
EAN13 4mil	90	200
EAN13 8mil	50	420
EAN13 13mil	50	550
EAN13 20mil	75	760

*XL-3030ER-28/07/26B-V1.0.0

