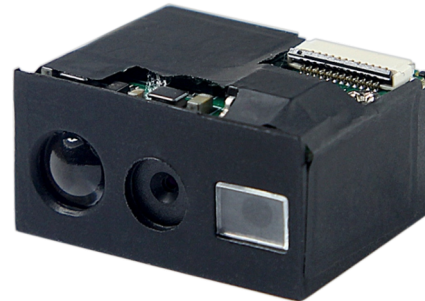


XL-3030ER Embedded Module

Image scanning
Small size, easy to integrate



Auto



ARM



1D/2D



Mobile payment



1280x800Pixel

Applications



Features

- ◆ High Performance Image Technology, ultra far depth of field
- ◆ Easy to read high density code and difficult barcode
- ◆ High resolution, fast reading screen and commodity code
- ◆ Small size, easy to embedding in all kind of mobile computers
- ◆ Support secondary development, meet host control interaction requirements

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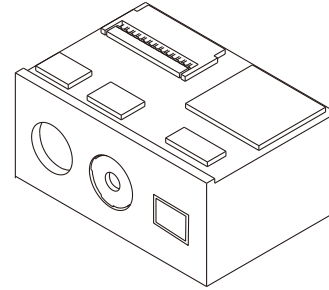
Tel: +86-20-32053765 Fax: +86-20-82115390 Website: www.xl-scan.com E-mail: overseas01@xl-scan.cn

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	1280x800Pixel
Scanning Speed	60 fps/s
Mobile Tolerance	1m/s
Mnimum Resolution	≥3mil
Print Contrast	≥20%
Scanning Angle	Deflection 360° Inclination ±65° Rotation ±60°
Decoding Depth	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	L × W × H: 21.3×14.5×11.5(mm)
Weight	3.3g
Case Material	ABS+PC Flameresistant material
Input Voltage	DC 3.3V
Working Current	198mA(Scanner)
Quiescent Curren	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
Light Levels	0~100,000 Lux (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-11/22B-V1.0.1

