

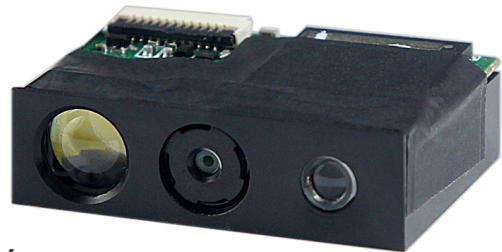
XL-3020S

2D Embedded Image Scanner

6.8mm ultra-thin size

Read 3mil high-precision barcode

High Performance Image Technology



Auto



ARM



1D/2D

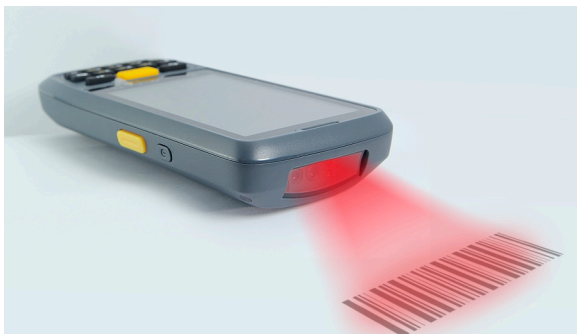


Mobile payment



640x480Pixel

Applications



Features

- ◆ Low power consumption, ideal for mobile devices
- ◆ Small body with reserved screw holes, easy to install
- ◆ Easy to read stained, reverse color, high resolution codes
- ◆ 100% self-independent technology, support online upgrade
- ◆ Compatible with Linux, Android, Windows XP/7/8/10/MAC OS
- ◆ Embedded in vending, price checking, self-service ticket machines

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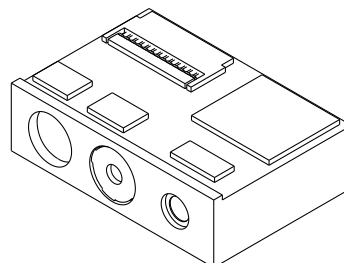
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XL-3020S

Technical Parameters

Performance Parameter	
Light Source	Red LED
CPU	ARM
Image Sensor	CMOS
Scan Mode	Induction / Manual / Command Trigger
Image Size	640x480Pixel
Scanning Speed	60 fps/s
Mobile Tolerance	1m/s
Mnimum Resolution	≥3mil
Scanning Angle	Deflection 360° Inclination ±65° Rotation ±60°
Decoding Depth	60~360mm@(EAN 13mil 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: 23.6×16×6.8(mm)
Weight	2.5g
Input Voltage	DC 3.3V
Working Current	178mA(Scanner)
Quiescent Curren	52mA(Scanner)
Stand-by Current	< 1uA(Scanner)
Temperature (Operating)	-10°C~50°C
Humidity	5% to 95% (non-condensing)
Temperature (Storage)	-20°C~60°C
Light Levels	0~5000Lux (fluorescence) 0~100,000 Lux (sunlight)

Interface Definition				
Support interface: USB-HID,USB-VCP,TTL				
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 3mil	60	85
EAN13 5mil	40	140
EAN13 8mil	40	240
EAN13 13mil	60	360
EAN13 20mil	70	500
EAN13 30mil	110	620

*XL-3020S-11/22B-V1.0.0

