

XL-3042mini

2D Scan Embedded Module

Multi-angle barcode scanning

Slim square & high integration

Versatile interfaces, wide compatibility



1D/2D



Mobile payment



Auto



ARM



640x480 Pixels

Features

- Multi-angle omnidirectional scanning, supports screen codes & commodity barcodes
- Outstanding performance, adaptable to diverse working environments
- Slim compact square form, easy integration into all types of equipment
- Rich interface options, high compatibility, supports secondary development
- Resists screen reflection interference, reliable decoding in bright ambient light
- Ultra-fast decoding speed, effectively improve work efficiency

Applications



SUNLUX IOT TECHNOLOGY (GUANGDONG) INC.

Office Add: Room 1201, Building A, No.76 Xinye Road, Huangpu District, Guangzhou, 511356, China
Tel: +86-20-32053765 Fax: +86-20-82115390 Website: www.xl-scan.com E-mail: overseas01@xl-scan.cn

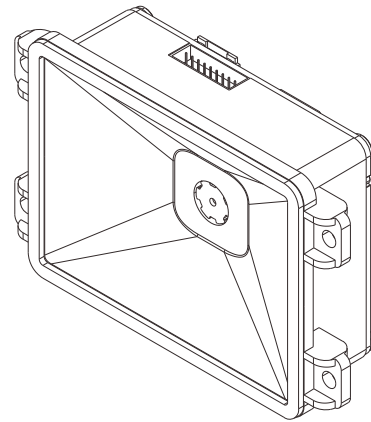


XL-3042mini

Technical Parameters

Performance Parameter

Light Source	White LED (Lighting)
CPU	ARM
Scan Mode	Auto Scan
Image Size	640x480 Pixels
Scanning Speed	60 FPS
Mnimum Resolution	≥4mil
Scanning Direction	Omnidirectional
Scanning Angle	Deflection 360°, inclination ±65°, Rotation ±60°
Print Contrast	≥20% (UPC/EAN 13mil)
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, QR Code, Micro QR, Data Matrix, Aztec Code



XL-3042mini Structural Drawing

Other Parameters

Size	LxWxH: 53.5x33.4x15 (mm)
Wight	12g
Case Material	ABS+PC,Stainless Steel
Input Voltage	DC 5V
Working Current	< 112mA
Stand-by Current	< 76mA
Indicator	Buzzer
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

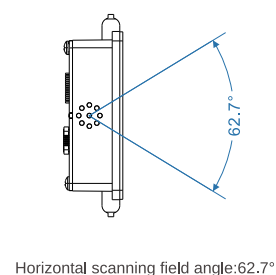
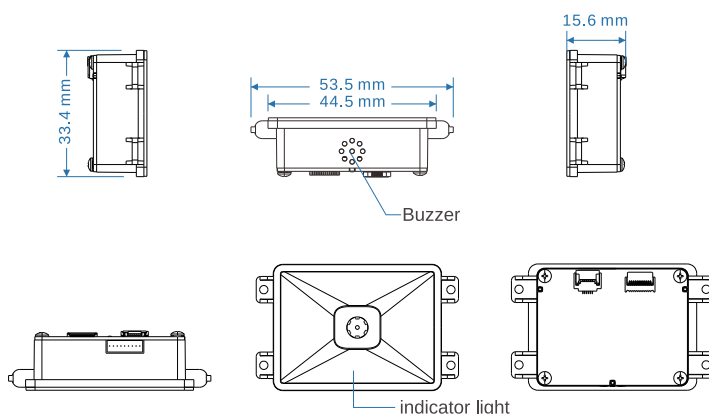
Uses 6PIN 1.25mm pitch terminal wire and 6PIN 0.5mm pitch flexible cable interfaceSupport interface: TTL, USB-HID, USB-VCP

JP1		JP4	
Pin-out	Description	Pin-out	Description
①	+5V	①	RX
②	NC	②	TX
③	GND	③	GND
④	RX	④	D-
⑤	TX	⑤	D+
⑥	RESET	⑥	+5V

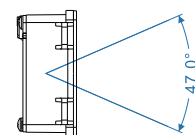
The Depth Of Field Performance

Type	Minimum (mm)	Maximum (mm)
EAN13 4mil	55	65
EAN13 6mil	30	85
EAN13 8mil	30	110
EAN13 13mil	40	180
EAN13 20mil	50	270
Payment code	60	420

*XL-3042mini-27/07/26B-V.1.0.0



Horizontal scanning field angle:62.7°



Vertical scanning field angle:47°