SUNLUX

National New and High Technology Enterprise

Member of National Torch Plan Project

Guangdong Engineering Technology Research Center

XL-3042M

2D Scan Embedded Module

Built for access control

High integration · Simple operation

1D/2D | Mobile payment | Auto | ARM | 640x480 Pixels

Applications

Features

- Larger scanning window outperforms comparable products.
- Built-in supplementary light enables fast decoding of screen barcodes under bright and dim lighting.
- Independent R&D technology with low power consumption.
- Powerful decoding performance for 1D & 2D screen barcodes.
- High-speed sensor delivers outstanding resolution.
- Supports secondary development with multiple interface options.

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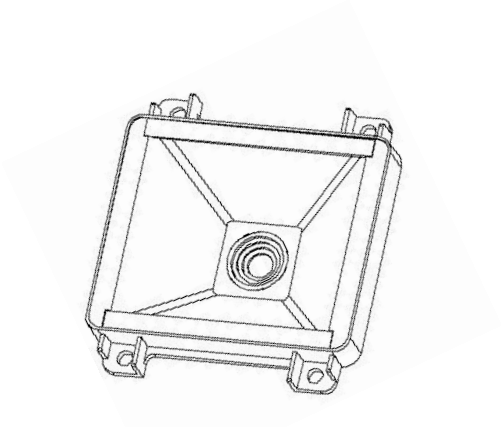
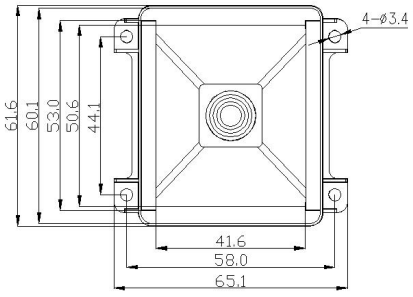
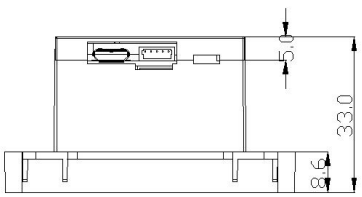
XL-3042M
Technical Parameters

Performance Parameter

Light Source	White Light LED
CPU	32bit MIPS @1G Hz
Imager Sensor	CMOS
Scan Mode	Induction Scan
Resolution	640×480 Pixels
Scan Speed	60 FPS
Scan Precision	≥4mil
Scan Angle	Roll 360°, pitch 65°, skew 60°
View Angle	Horizontal 70°, vertical 50°
Depth of Field	20~120mm (13mil Code39 PCS90%)
Decoding Capability	1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey , etc. 2D: PDF417, Data Matrix, QR Code, Aztec Code



Other Parameters

Size	LxWxH= 65.1x61.6x33mm
Material	ABS+PC
Input Voltage	DC 5V
Operating Current	130mA
Static Current	80mA
Indicator	Buzzer
Support Interface	RS232, USB
Support Code	Support Alipay, Paper code, Mobile phone screen, PC screen, etc.
Temperature (Operating)	-10°C ~ 50°C
Humidity	5% to 95% (Non-condensing)
Temperature (Storage)	-20°C ~ 60°C
Resistance To Ambient Light	0 ~ 5,000Lux (Fluorescence), 0 ~ 100,000Lux (Sunlight)

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