

自助终端 · 物流 · 金融 · 医疗

XL-B4 嵌入式一维/二维条码识读引擎

XL-B4 Embedded 1D/2D Barcode Scan Engine

CMOS 640×480

≥5 mil

DC 5V

1.2 W

90 g

体积小巧嵌入方便

Compact & Easy to Embed

体积小巧，适合自助终端、物流、金融、医疗等设备集成。
Compact footprint for kiosks, logistics, finance and medical equipment integration.

01

内嵌高性能芯片

Onboard High-Performance Chip

内嵌高性能处理芯片，解码速度快，识读精度和能力高。
Embedded processing chip delivers fast decoding and high reading accuracy.

02

内置红外感应

Built-In IR Sensing

内置红外感应功能，物体靠近即自动触发识读，无需按键。
Integrated infrared sensing triggers reading automatically as an object approaches.

03

配置方便可升级

Easy Config & Upgrade

配置方便，支持固件升级；可定制化程度高。
Easy configuration, firmware upgradeable and highly customisable.

04



顶面 + 正面镜头窗口 (Top & Front View)



SCAN 触发按键 + 出线接口 (Trigger & Cable)

应用场景 Application Scenarios

XL-B4 嵌入式条码识读引擎体积小、安装灵活，可广泛嵌入自助终端、票证核验、物流分拣、金融支付、交通运输、医疗卫生等设备中，满足各类快速识读需求。

The XL-B4 embedded scan engine is compact and flexible to install. It is widely embedded into self-service terminals, ticket verification, logistics sorting, financial payment, transportation and medical & health equipment, meeting fast barcode reading requirements.

XL-B4 嵌入式一维/二维条码识读引擎 Embedded 1D/2D Barcode Scan Engine

产品特点 Product Features

- 体积小巧，嵌入方便**
Compact size, easy to embed into various self-service terminals
- 支持主流一维/二维码**
Supports mainstream 1D and 2D barcodes
- 内嵌高性能处理芯片**
On-board high-performance processor: fast decoding, high reading ability
- 配置方便，支持固件升级**
Easy configuration, firmware upgrade supported

物理参数 / PHYSICAL PARAMETERS	
正面尺寸 Front dimensions	41 × 22.99 mm
侧面尺寸 Side dimensions	48.8 × 26 mm
线缆长度 Cable length	102.8 mm
安装孔位 Mounting hole	孔距 26 mm，圆角 R1.5 mm Hole pitch 26 mm, fillet radius R1.5 mm
重量 Weight	90 g
性能参数 / PERFORMANCE	
图像传感器 Image sensor	CMOS
分辨率 Resolution	640 × 480
识读精度 Min. resolution	≥ 5 mil
打印对比度 Print contrast	≥ 20%
环境光照度 Ambient light	0 ~ 100,000 LUX
条码旋转灵敏度 Rotation sensitivity	360° @ 0° Pitch and 0° Skew
条码倾斜灵敏度 Pitch sensitivity	±50° @ 0° Roll and 0° Pitch
条码偏转灵敏度 Skew sensitivity	±50° @ 0° Roll and 0° Skew
识读景深 Depth of field	40 ~ 300 mm EAN-13 (12 mil, 13 byte): 60 ~ 220 mm QR Code (10 mil, 74 byte): 40 ~ 140 mm Code 128 (7 mil, 13 byte): 60 ~ 150 mm Data Matrix (20 mil, 22 byte): 30 ~ 190 mm
识读码制 Symbolologies	二维码 2D: PDF417, QR Code, Data Matrix, 汉信码 Han Xin Code, GM 码 GM Code, Aztec, Micro QR, MicroPDF417 等 一维码 1D: Code 128, EAN-13, EAN-8, Code 39, GS1, UPC-A, UPC-E, Code 11, Code 93, Codabar, China Post 等
电气参数 / ELECTRICAL	
工作电压 Operating voltage	DC 5 V
工作电流 Operating current	220 mA
待机电流 Standby current	30 mA
最大电流 Max. current	240 mA
最大功耗 Max. power consumption	1.2 W
红外感应 Infrared sensing	感应距离 140 mm; 红外光环境 150 lm Sensing distance 140 mm; infrared ambient 150 lm
环境参数 / ENVIRONMENTAL	
工作温度 Operating temperature	-20°C ~ +60°C
储存温度 Storage temperature	-40°C ~ +80°C
工作湿度 Operating humidity	5% ~ 95% (无凝结 / non-condensing)