

嵌入式安装 · 屏幕码识读 · 20 g 轻量模组

XL-D7 嵌入式二维识读模组

XL-D7 Embedded 2D Reading Module

嵌入式二维码识读

CMOS 640 × 480

识读精度 ≥ 7 mil

支持屏幕码识读

USB HID / COM / RS232

20 g 轻量

解码能力强

01

Enhanced Decoding Ability

内嵌高性能处理芯片，国际先进的核心算法，数据输出准确可靠。

Embedded high-performance processing chip with advanced core algorithms for accurate, reliable data output.

识读精度高

02

High Identification Accuracy

采用专业传感器，景深范围广、灵敏度高，印制对比度要求低 (≥ 30%)。

Professional sensor offers a wide depth of field, high sensitivity and low print-contrast requirements.

支持码制多

03

Multi-Symbology Support

可识别 Code128、EAN-13、EAN-8、Code39、UPC-A 等一维码，以及 QR Code、Data Matrix、PDF417 等主流二维码。

Reads 1D codes such as Code128, EAN-13, EAN-8, Code39 and UPC-A, plus major 2D codes like QR Code, Data Matrix and PDF417.

识读速度快 · 支持屏幕识读

04

Fast Reading & Screen-Code Support

可准确、快速识读条码信息，有效降低工作强度；专为屏幕识读设计，改善移动支付用户体验。

Reads barcodes accurately and quickly to reduce workload; designed for screen reading to improve the mobile-payment experience.



左侧安装位 (Left Mounting Tab)



中央镜头窗口 (Center Lens Window)



右侧安装耳与固定孔 (Mounting Ear & Fixing Hole)

应用场景 Application Scenarios

该嵌入式二维识读模组可扫描常用一、二维码，广泛使用于自助终端票证、物流、金融、交通运输、医疗卫生等领域，满足各类用户快速识读的业务要求。

The embedded 2D reading module scans common 1D and 2D barcodes. It is widely used in self-service terminals and tickets, logistics, finance, transportation, medical & health care and other fields to meet fast-reading requirements.

XL-D7 嵌入式二维识读模组 Embedded 2D Reading Module

产品特点 Product Features

- 解码能力强：**内嵌高性能处理芯片与国际先进核心算法，数据输出准确可靠
 High-performance processing chip and advanced core algorithms for accurate, reliable output
- 支持码制多：**一维码 14 种 + 二维码 8 种，覆盖主流 1D / 2D 码制
 Covers 14 kinds of 1D codes and 8 kinds of 2D codes
- 识读速度快：**准确、快速识读条码信息，有效降低工作强度
 Reads barcodes accurately and quickly, effectively reducing workload
- 识读精度高：**专业传感器，景深范围广、灵敏度高，印制对比度要求低 ($\geq 30\%$)
 Professional sensor: wide depth of field, high sensitivity, min. 30% print contrast
- 专为屏幕识读设计：**识读手机屏幕码，改善移动支付用户体验
 Designed for screen reading — better mobile-payment experience
- 小尺寸嵌入式结构：**55 × 33.4 × 14.1 mm、20 g，自带固定孔位，便于集成
 Compact 55 × 33.4 × 14.1 mm, 20 g, with mounting holes for easy integration

识读参数 / READING	
图像传感器 Image sensor	CMOS
分辨率 Resolution	640 × 480
识读精度 Precision	≥ 7 mil
识读范围 Depth of field	0 ~ 100 mm
打印对比度 Print contrast	$\geq 30\%$
条码旋转灵敏度 Roll	360°
条码倾斜灵敏度 Pitch	$\pm 30^\circ$
条码偏转灵敏度 Skew	$\pm 30^\circ$
照明 LED 光源 Illumination	可见发光二极管 (白色) Visible light-emitting diode (white)
指示 LED 光源 Indicator LED	无 No
接口 Interface	USB 虚拟串口 / USB HID / RS232 USB Virtual COM Port / USB HID / RS232
触发方式 Triggering mode	手动 / 自动 Manual / Automatic
提示方式 Prompting mode	蜂鸣器 Buzzer
设置方式 Config mode	命令协议 / 配置码 Commands / Config barcode
一维码 1D code	Code 11, Code 39, Code 93, Code 128, UPC-A, UPC-E, EAN-13, EAN-8, Codabar, Standard 2 of 5, Matrix 2 of 5, Interleaved 2 of 5, MSI, GS1
二维码 2D code	QR Code, Micro QR, Mirror QR, PDF417, Micro PDF417, Data Matrix (ECC 200), Aztec, HANXIN
电气参数 / ELECTRICAL	
输入电压 Input voltage	5 V
最大电流 Max. current	240 mA
工作电流 Operating current	200 mA
最大功耗 Max. power	1.2 W
工作功耗 Operating power	1 W

环境参数 / ENVIRONMENTAL	
环境光照度 Ambient light	0 ~ 100,000 LUX
工作温度 Operating temperature	-20°C ~ 65°C -4°F ~ 149°F
储存温度 Storage temperature	-40°C ~ 80°C -40°F ~ 176°F
工作湿度 Humidity	5% ~ 95% (无凝结) 5% ~ 95% (no condensation)
物理参数 / PHYSICAL	
外观尺寸 Dimensions	55 mm × 33.4 mm × 14.1 mm
固定孔位 Mounting holes	49.5 mm × 20 mm
线缆长度 Cable length	1.5 米 (选配) 1.5 m (optional)
重量 Weight	20 g
安全等级 / SAFETY	
EMC 电磁兼容性 EMC	EN55022、EN55024
电气安全 Electrical safety	EN60950-1
光照安全 Light safety	EN62471:2008
防水防尘密封等级 Sealing rating	IP 00
产品以实物为准，配置如有变更，恕不另行通知。 The product is subject to the actual object; no further notice for configuration changes.	