

嵌入式条码识读模块 · 百万像素 · 柔光照明 · 21.6 mm 超薄

XL-F42-YL 嵌入式条码识读模块

Embedded 2D Scan Module with Soft-Light Illumination · 21.6 mm

柔光照明

21.6 mm 超薄

百万像素 CMOS

1D / 2D 主流码制

USB / RS-232 / TTL-232

NFC 选配



01 柔光照明 近距离好读

Soft-Light Illumination

柔光软光照明系统把光线均匀铺在码面上，近距离不反光、不刺眼，适合窗口贴近码面的小型设备。

A soft-light system spreads illumination evenly across the code surface - no glare or hot spot at close range, which is what compact window-mounted devices need.

02 百万像素 纸码屏码

1 MP Sensor, Paper and Screen

百万像素传感器同时覆盖纸质标签与手机屏幕码，常规一维 / 二维码制直接识读。

A one-megapixel sensor reads printed labels and phone screens alike, covering mainstream 1D and 2D symbologies out of the box.

03 21.6 mm 超薄高集成

21.6 mm Thin, Highly Integrated

机身厚度 21.6 mm，解码板与摄像头一体化集成，适合轻薄终端、手持设备与嵌入式面板。

At 21.6 mm thin with the decoder board and camera integrated, it fits slim terminals, handhelds and embedded front panels.

04 接口齐全 NFC 可选

Full Interfaces, NFC Optional

标配 USB、RS-232、TTL-232 三种接口；可选配 NFC 读卡与玻璃透屏，覆盖门禁卡、会员卡等识读需求。

USB, RS-232 and TTL-232 as standard; an optional NFC reader and glass window cover access cards and membership cards.

核心参数一览 Key Specifications

- 图像传感器 百万像素 CMOS
1 MP CMOS image sensor
- 照明方式 柔光软光照明系统
Soft-light illumination system
- 通讯接口 USB / RS-232 / TTL-232
USB, RS-232, TTL-232
- 配置工具 ImageTool
ImageTool configuration utility
- 识读码制 1D / 2D 主流码制
Mainstream 1D and 2D symbologies
- 机身厚度 21.6 mm
21.6 mm thin
- 选配项 NFC 读卡 / 玻璃透屏
Optional NFC reader / glass window
- 固件升级 OtaToolV
Firmware update with OtaToolV

多角度产品视角 Multiple Views



典型应用 Typical Applications



规格参数 Specifications

识读性能 Reading Performance		电气与接口 Electrical and Interfaces	
图像传感器 Image sensor	百万像素 CMOS 1 MP CMOS	通讯接口 Interfaces	USB / RS-232 / TTL-232 USB, RS-232, TTL-232
识读码制 Symbologies	1D / 2D 主流码制 Mainstream 1D and 2D	配置工具 Configuration	ImageTool ImageTool utility
照明方式 Illumination	柔光软光照明系统 Soft-light illumination	固件升级 Firmware update	OtaToolV OtaToolV utility
识读介质 Media	纸质标签、手机屏幕码 Printed labels and phone screens	选配项 Options	NFC 读卡、玻璃透屏 NFC reader, glass window
		机身厚度 Thickness	21.6 mm 21.6 mm

具体供电、识读景深与外形尺寸按项目选型确认；可选配 NFC 读卡与玻璃透屏。Detailed electrical values, depth of field and outline dimensions are confirmed per project selection.

接口与调试 Interfaces and Setup

