

通用型手持扫描 · 纸质/屏幕码通吃 · 1.5 米一体线

XL-Y20 手持式二维影像扫描枪

XL-Y20 Handheld 2D Imager Barcode Scanner

二维影像

30 万像素 CMOS

≥ 4 mil

25 cm/s 解码

DC 5V

USB / RS232

01 二维影像技术

2D Imager Technology

纸质、印刷、塑料、屏幕码均可识读，一维二维一机通吃。

Reads paper, printed, plastic and on-screen codes — 1D and 2D in one device.

02 4 mil 精度

4 mil Precision

轻松识读 4 mil 以上条码，满足日常扫描需求。

Accurately reads codes down to 4 mil for everyday scanning.

03 一体线材 1.5 米

1.5 m Integrated Cable

高度集成的二维解码结构，抗摔、抗震，耐用性更好。

Highly integrated 2D decoding structure with a durable, drop- and shock-resistant 1.5 m cable.

04 双模式识读

Dual Reading Modes

手动 / 感应两种识读模式，LED 指示 + 蜂鸣提示。

Manual and sensor reading modes with LED indication and buzzer feedback.



侧面：LED 指示与扳机 (Side View)



二维影像扫描头 (2D Imager Head)



手柄尾部接口 (Cable Port)

应用领域 Applications

手机支付、卡券核销、连锁零售、快递商超、生产制造、仓储物流、仓库管理、食品追溯、电力抄表、资产盘点、医疗卫生等场景。

Mobile payment, coupon redemption, chain retail, express & supermarket, manufacturing, logistics, warehouse management, food traceability, meter reading, asset inventory and medical care.

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产品特性 Product Features

- 高度集成的二维解码结构，抗摔、抗震**
Highly integrated 2D decoding architecture, drop and shock resistant
- 高性能 MCU，轻松识别主流一维、二维条码**
High-performance MCU reads all mainstream 1D and 2D codes
- 二维影像技术：纸质、印刷、塑料、屏幕码均可识读**
2D imager reads paper, printed, plastic and screen barcodes

性能参数 / PERFORMANCE	
图像传感器 Image sensor	CMOS
像素 Pixels	30 万像素 0.3 MP
解析度 Resolution	≥ 4 mil / 0.1 mm PCS90%, Code 39
解码速度 Decode speed	25 cm/s
识读模式 Reading modes	手动识读、感应识读 Manual, auto-sensing
提示方式 Indication	LED 指示灯、蜂鸣器 LED indicator + buzzer
视场角 Field of view	31° × 26°
读取角度 Reading angle	旋转 ±360°, 倾斜 ±50°, 偏斜 ±50° Roll ±360°, Pitch ±50°, Skew ±50% (Code 39, 10 mil, PCS90%)
打印对比度 Print contrast	≥ 25%
环境光照度 Ambient light	黑暗环境、室内自然光 Dark environment to indoor daylight
识读码制 / SYMBOLOGIES	
一维码 1D codes	UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Standard 2 of 5 (IATA25), Codabar (NW-7) 等
二维码 2D codes	QR Code, Micro QR Code, Data Matrix, PDF417 等
机械 / 电气参数 / MECHANICAL & ELECTRICAL	
外观尺寸 Dimensions	L 150 × W 70 × H 95 mm
本体重量 Weight	约 110 g (不含线材 / cable excluded)
线材长度 Cable length	1.5 米 1.5 m
接口类型 Interface	USB 公头、DB9 母头 USB Type-A male, DB9 female
通信方式 Communication	USB (USB-KBW、USB-COM) 、RS232
工作电压 Operating voltage	DC 5 V
工作电流 Operating current	150 mA (工作 / working)

- 一体线材，全长 1.5 米，耐用性更好**
One-piece 1.5 m cable for better durability
- 轻松识读 4 mil 以上条码，满足日常扫描需求**
Reads codes down to 4 mil for everyday scanning needs
- 手动 / 感应两种识读模式，LED 指示 + 蜂鸣提示**
Manual and auto-sensing modes with LED and buzzer indication

工作环境 / ENVIRONMENTAL	
工作温度 Operating temperature	-20°C ~ +50°C
储存温度 Storage temperature	-40°C ~ +60°C
工作湿度 Operating humidity	5% ~ 95% (无凝结 / non-condensing)
运输震动测试 Vibration test	10H @ 125 RPM
景深典型值 / DEPTH OF FIELD	
Code 39 4 mil	40 ~ 80 mm
Code 39 20 mil	40 ~ 280 mm
UPC / EAN 0.33 mm (13 mil)	30 ~ 210 mm
QR Code 20.0 mil	10 ~ 190 mm
Data Matrix 10 mil	30 ~ 90 mm
PDF417 6.88 mil	30 ~ 100 mm
测试条件：室温 25°C，环境照度 200 LUX，PCS = 0.9。规格如有更改，恕不另行通知。 Test conditions: 25°C, 200 LUX, PCS = 0.9. Specifications subject to change without notice.	
配件列表 / ACCESSORIES	
USB 线材 USB cable	连接扫描器与主机，用于 USB 通信 Scanner-to-host USB communication
RS232 线材 RS232 cable	带 DC 供电头，用于串口通信 With DC power jack for serial communication
USB 供电线 USB power cable	用于串口供电 Powers the serial connection
电源适配器 (选配) Power adapter (optional)	输出 DC 5V 1A; 输入 AC 100 ~ 240V 50/60Hz Output DC 5V 1A; input AC 100~240V 50/60Hz