

嵌入式扫描模组 · 超薄 11.9 mm · 屏幕码与纸质码通吃

E600 嵌入式扫描模组

E600 Embedded Scan Module

640 × 480 CMOS @30fps

读码景深 12 – 200 mm

74° × 58° 视角

运动容差 ≥ 0.8 m/s

DC 3.3 – 5 V 宽压

< 15 g

超大窗口，超薄设计

Large Window & Ultra-slim

55.1 × 32.9 × 11.9 mm、重量 <15 g，白色外壳配两侧安装耳，直接嵌进面板开孔。

55.1 × 32.9 × 11.9 mm and under 15 g, with side mounting ears for panel cut-outs.

01

屏幕码 / 纸质码通吃

Screen & Printed Codes

微信支付码 12–200 mm、退款码 40–65 mm 均可识读，白光 LED (6500K) 照明。

Reads WeChat Pay codes at 12–200 mm and refund codes at 40–65 mm, with white LED (6500 K) illumination.

02

运动容差 ≥ 0.8 m/s

0.8 m/s Motion Tolerance

支付码运动容差 ≥80 cm/s，排队叫号、自助查询等动态扫码场景也稳定出码。

≥80 cm/s motion tolerance keeps dynamic scanning stable in queue and self-service scenarios.

03

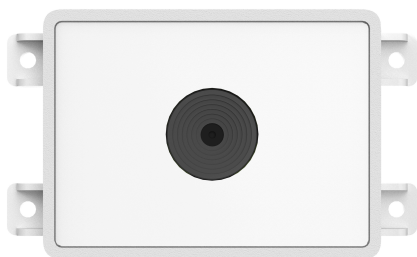
宽电压 + 全平台

Wide Voltage, All Platforms

DC 3.3–5 V(±5%) 单电源，140 mA@5V；支持 Linux / Android / Windows，提供 SDK。

DC 3.3–5 V (±5%), 140 mA @5 V; works with Linux, Android and Windows with full SDK.

04



侧面厚度与安装耳 (Side)



正面扫描窗口 (Front)

应用场景 Applications

支付终端、电商自提柜、智能家居、储物柜、自助查询终端、排队叫号设备等智能设备集成。

Payment terminals, e-commerce parcel lockers, smart home devices, storage cabinets, self-service kiosks and queue-number terminals.

产品特点 Product Features

- 超大扫描窗口，超薄设计
Large scan window with ultra-slim profile
- 运动容差高达 0.8 m/s
Motion tolerance up to 0.8 m/s
- 白光 LED 照明 (6500 K)，大窗口补光均匀
White LED illumination at 6500 K
- 适用于支付终端、自提柜、储物柜、自助终端
Built for payment, locker and self-service terminals

扫码性能 / SCAN PERFORMANCE

传感器 Sensor	640 × 480 CMOS @30fps
光源 Light source	白光 LED (6500K) White LED (6500 K)
视角 Field of view	水平 74°，垂直 58° 74° H, 58° V
识读精度 Precision	1D ≥ 5mil / 2D ≥ 10mil
符号反差 Contrast	≥ 25%
运动容差 Motion tolerance	≥ 80 cm/s (支付码) ≥ 80 cm/s for payment codes
识读景深 Depth of field	微信支付码：12 – 200 mm 退款码：40 – 65 mm WeChat Pay codes 12–200 mm; refund codes 40–65 mm
识读角度 Reading angles	旋转 360°，倾斜 ±60°，偏转 ±60° Roll 360°, tilt ±60°, skew ±60°

识读码制 / SYMBOLOGIES

二维码 2D 2D codes	QR, PDF417, DataMatrix (ECC200)
一维码 1D 1D codes	EAN13, EAN8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, CodaBar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code11, MSI Plessey, GS1 Databar (RSS-Expand, RSS-Limited, RSS-14)

- 轻松读取屏幕码和纸质条码
Reads screen codes and printed barcodes with ease
- 宽电压设计：DC 3.3 V ~ 5 V
Wide voltage range DC 3.3 V – 5 V
- 支持 Linux / Android / Windows 系统
Supports Linux, Android and Windows systems
- 提供完整 SDK 与开发文档
Complete SDK and development documentation

物理参数 / PHYSICAL

重量 Weight	< 15 g
外观尺寸 Dimensions	55.1 mm(L) × 32.9 mm(W) × 11.9 mm(H)
接口 Interfaces	USB VCP / USB HID-KBW (默认) / USB HID-POS / TTL-232
电压 Voltage	DC +3.3 V ~ 5 V (±5%)
电流 Current	140 mA @ 5 V 供电 140 mA at 5 V supply

环境参数 / ENVIRONMENTAL

震动 Vibration	5 ~ 200 Hz, 10 Grms, 3 axes, 1.5 Hr
静电保护 ESD protection	接触放电 ±6 KV, 空气放电 ±12 KV Contact ±6 kV, air ±12 kV

系统与集成 / SYSTEM & INTEGRATION

支持系统 OS support	Linux / Android / Windows
开发资料 Development	完整 SDK 与开发文档 Complete SDK & documentation
规格如有更改，恕不另行通知 / Specifications subject to change without notice.	

接口与集成说明 Interfaces & Integration

四种接口模式

Four Interface Modes

USB HID-KBW (默认)、USB VCP、USB HID-POS 与 TTL-232，按主机方案自由切换，无需改板。

USB HID-KBW (default), USB VCP, USB HID-POS and TTL-232 — switch to fit the host design without board changes.

宽电压供电

Wide Voltage Supply

DC +3.3 V ~ 5 V (±5%)，140 mA @5 V，可直接取用设备主板电源，适合低功耗终端。

DC 3.3–5 V (±5%) at 140 mA @5 V — can run straight off the host board.

超薄面板嵌入

Ultra-slim Panel Mount

55.1 × 32.9 × 11.9 mm、<15 g，两侧安装耳带螺钉孔，适配自提柜、储物柜等面板开孔。

55.1 × 32.9 × 11.9 mm and under 15 g with side mounting ears for locker and cabinet panels.

系统与二次开发

OS & Customization

支持 Linux / Android / Windows，配套完整 SDK 与开发文档，参数可配置、识读可调优。

Works with Linux, Android and Windows; full SDK and docs for configuration and tuning.

识读能力速览 Reading Reference

项目 / Item	参数 / Specification	说明 / Notes
识读景深	12 – 200 mm (微信支付码)	退款码 40 – 65 mm；屏幕码与纸质码均适用
识读精度	1D ≥ 5 mil / 2D ≥ 10 mil	主流一维、二维码全面覆盖
运动容差	≥ 80 cm/s (支付码)	排队叫号、自助查询等动态扫码稳定
视角 / 角度	74° × 58° 视角	旋转 360°，倾斜 ±60°，偏转 ±60°
照明与反差	白光 LED (6500K)	符号反差 ≥ 25%
结构与防护	<15 g, 55.1 × 32.9 × 11.9 mm	震动 5–200 Hz / 10 Grms；ESD 接触 ±6 KV、空气 ±12 KV

应用场景 Applications

支付终端、电商自提柜、智能家居、储物柜、自助查询终端、排队叫号设备等智能场景，均为嵌入式安装。

Embedded integration for payment terminals, parcel lockers, smart home devices, storage cabinets, self-service kiosks and queue-number terminals.