EMBEDDED SCAN MODULE · 11.9 mm ULTRA-SLIM · SCREEN AND PRINTED CODES · 74° × 58° FIELD OF VIEW

E600

Embedded Scan Module for Screen and Printed Codes

640 × 480 CMOS @ 30 fps | DOF 12–200 mm | FOV 74° × 58° | Motion ≥ 0.8 m/s | DC 3.3–5 V | < 15 g

01 Large Window, Ultra-slim

55.1 × 32.9 × 11.9 mm and under 15 g, with side mounting ears that seat the module in a panel cut-out.

02 Screen and Printed Codes

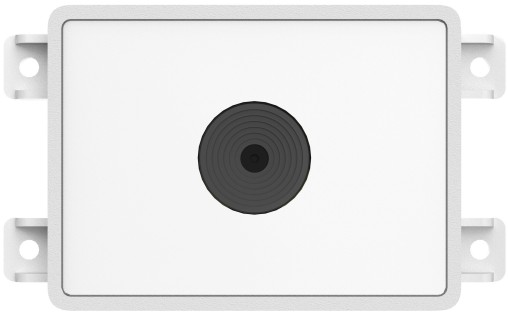
Reads WeChat Pay codes at 12–200 mm and refund codes at 40–65 mm, with 6500 K white LED illumination.

03 0.8 m/s Motion Tolerance

≥ 80 cm/s motion tolerance keeps codes decoding while the phone or ticket is still moving.

04 Wide Voltage, All Platforms

DC 3.3–5 V (±5%) at 140 mA @ 5 V; runs on Linux, Android and Windows with a complete SDK.





Side view · thickness and mounting ears



Front scan window

TYPICAL VERTICALS

Built for embedded integration in **payment terminals, e-commerce parcel lockers, smart home devices, storage cabinets, self-service kiosks and queue-number terminals**.

E600 Embedded Scan Module for Screen and Printed Codes

PRODUCT FEATURES

- **Large scan window** — in an ultra-slim 11.9 mm profile
- **Motion tolerance** — up to 0.8 m/s at the payment counter
- **6500 K white LED** — even illumination across the window
- **Screen and paper** — reads on-screen and printed codes alike
- **Wide voltage** — DC 3.3–5 V ±5%, 140 mA at 5 V
- **Full SDK** — Linux, Android and Windows support

SCAN PERFORMANCE

Image Sensor	640 × 480 CMOS
Frame Rate	30 fps
Illumination	White LED (6500 K)
Field of View (FOV)	74° (H) × 58° (V)
Resolution	1D ≥ 5 mil / 2D ≥ 10 mil
Print Contrast Signal (PCS)	≥ 25%
Motion Tolerance	≥ 80 cm/s (payment codes)
Depth of Field (DOF)	WeChat Pay codes: 12–200 mm Refund codes: 40–65 mm
Pitch / Skew / Tilt	±60° / ±60° / 360°

PHYSICAL

Dimensions	55.1 × 32.9 × 11.9 mm
Weight	< 15 g
Host System Interfaces	USB HID-KBW (default), USB VCP, USB HID-POS, TTL-232

SUPPORTED SYMBOLOGIES

1D	EAN-13, EAN-8, UPC-A, UPC-E0, UPC-E1, Code 128, Code 39, Code 93, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code 11, MSI Plessey, GS1 DataBar (RSS-14, RSS-Limited, RSS-Expand)
2D	QR Code, PDF417, Data Matrix (ECC 200)

ELECTRICAL

Input Voltage	DC 3.3–5 V ±5%
Operating Current	140 mA @ 5 V supply

ENVIRONMENTAL & SYSTEM

Vibration	5–200 Hz, 10 Grms, 3 axes, 1.5 hr
ESD Protection	Contact ±6 kV / air ±12 kV
OS Support	Linux / Android / Windows
Development	Complete SDK and documentation
Warranty	2 years

HOST INTERFACE

Four modes on board — USB HID-KBW (default), USB VCP, USB HID-POS and TTL-232 — so the module matches the host design without a board change.

MOUNTING

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

POWER

Single DC 3.3–5 V ±5% supply at 140 mA @ 5 V; the wide input lets the module run from the host board's existing rail.

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Specifications subject to change without notice.