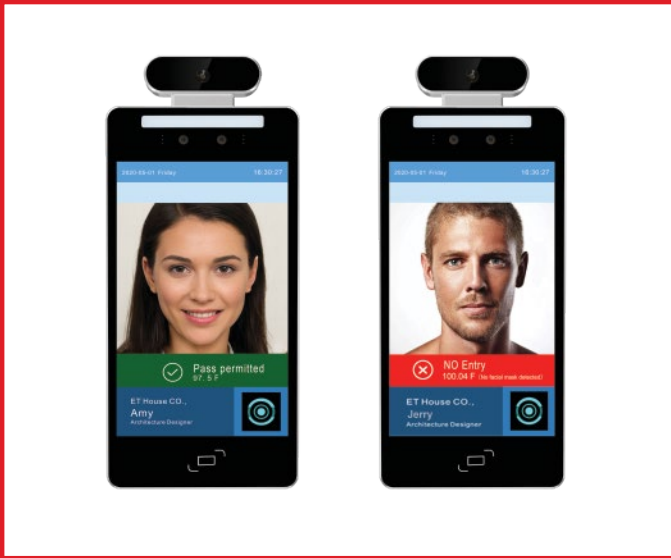


F5CK-80

8" Fever Screening & Access Control System



Features

- ▶ Dual optical binocular cameras
- ▶ 32x32 Thermal imaging sensor (Built-in module)
- ▶ 8" IPS LCD, 1280x800 resolution
- ▶ Fast Octa-core Cortex A72/A53 CPU
- ▶ Android 8 OS, custom UI
- ▶ Face recognition (Support Mask Wearing Mode)
- ▶ Face database capacity: 30000
- ▶ Auto detect Elevated Body Temperature (EBT)
- ▶ Detect speed: less than 1s
- ▶ Detect distance: 0.5-1m
- ▶ 0.5°C error range
- ▶ Optional RFID or NFC ID reader
- ▶ Configurable face recognition API
- ▶ Configurable face temperature API
- ▶ Configurable access control IO & API

Specifications

Optical Camera	Dual 2MP Camera for facial recognition Binocular wide dynamic cameras 0.5 – 1.5M focus, Auto white balance, Frame rate 25Hz
Thermal Imaging	32 x 32 IR pixels Distance 0.5 -1M Accuracy: <0.5°C (Ambient temperature 15 – 35°C) Time: < 1 second
System Function	Face database: 30,000 Face data management: provide API Warning management: provide API Trigger: provide API (warning switch and warning threshold value) Temperature setting: provide API Calibration: optional
ID Card Reader (Option)	Built-in NFC reader at front, 13.56MHz, ISO/IEC 14443 Scan distance < 20mm (adjustable by request) (optional RFID reader)
Processor	Rockchip RK3399 Dual-core Cortex-A72, Quad-core Cortex-A53 Mali-T860MP4 GPU, support OpenGL ES1.1/2.0/3.0, OpenCL1.2
OS	Android 8.0
System Memory	2GB LPDDR3 Option: 4GB LPDDR3
Storage	8GB eMMC 5.1 Option: 32GB, 64G
LCD	8" IPS, 800 x 1280 Resolution 300 cd/m2 Brightness

Button	OS upgrade button (optional)
Touch Screen	n/a
Audio	One internal 4ohm 1W speaker
Network	WiFi 802.11 a/b/g/n 10/100/1000MB ethernet RJ-45
I/O	1x USB OTG 1x USB 2.0 1x RS232 (optional RS485) 1x Trigger output (12V) 1x RJ45 1000M ethernet 1x DC input, 12V, 3A 1x Wiegand interface 26/34 output (optional), 1x Wiegand 26x34 input (optional, for card reader and sensor)
Mounting	Vesa mount support Wall, pole, or swivel arm mounting (mounting hardware not included)
Mechanical	Front chassis: Plastic or aluminum Rear chassis: plastic or aluminum
AC adapter (option)	12V 3A output 110 -240V AC in, standard US plug, Option: multi-nation plugs.
Environmental	Operation temperature: 0-45°C Storage Temperature: -20-60 °C Humidity: 10% to 90% ROHS: Compliant
Regulatory	FCC/CE

FSCK-80

8" Fever Screening & Access Control System



Infrared Thermal Imaging Temperature Detection



32x32 Thermal imaging sensor (Built-in module)



Temperature Measurement Accuracy: $\pm 0.5^{\circ}\text{C}$



Auto detect Elevated Body Temperature (EBT)



Temperature Measurement Range: $10^{\circ}\text{C} \sim 42^{\circ}\text{C}$



Temperature Detection Distance: 0.5-1 meter



Automatic Warning of abnormal body temperature



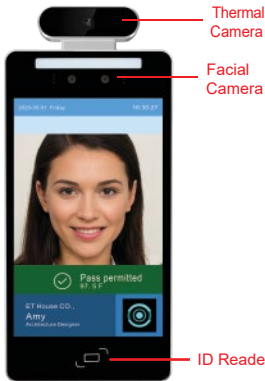
Temperature Measurement Speed: 1 second



Configurable temperature control API



Accurate Face Recognition



Dual optical 2M cameras for face recognition



Configurable face recognition API



30K Face Library



Recognition Speed < 1 second



Recognition rate > 80%



Living accuracy rate > 98.3%

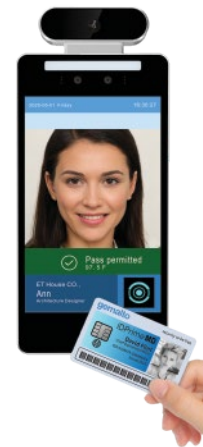


Support mask recognition



Mask wearing reminder

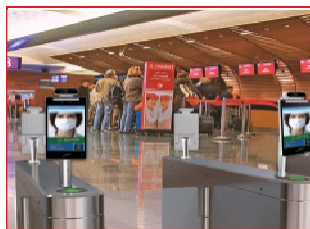
NFC Card



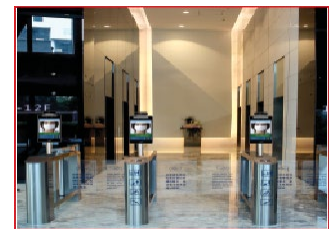
Different Installation Methods



Application



Airport



Lobby