

AI Features



German Technology



- Infrared Live Body Detection
- Large Capacity Data Storage
- Dynamic AI Face Recognition
- Anti-Spoofing Face Detection
- Facial Adaptation
- Light Adaptation
- Access Control
- RFID Support
- Photo Capture
- Multi-Language Support
- 5-inch HD Touch Screen

SS-FAI03-BG

Biometric AI Terminal

One Powerful Terminal with Smart and Fast Biometric Access

The SS-FAI03-BG is equipped with infrared live body detection, a high-resolution dual camera system, and an intuitive touch display, it delivers fast, accurate identification for both single-user and multi-user environments.

Built for reliability and everyday performance, the SS-FAI03-BG enhances security while maintaining smooth user experience across diverse applications.



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SS-FAI03-BG Features

Hardware

Model No	SS-FAI03-BG
Screen	5 Inch HD IPS Touch Screen
Resolution	1280x720
Keypad	Touch Keypad
OS	Linux
CPU	1.2G Dual-Core ARM Cortex-A7
NPU	600G (0.6T) Hashrate
RAM	256M DDR3L
ROM	4G EMMC
GPS	Optional
Camera	2MP HD Color Camera, 2MP HD Infrared Camera, WDR
Communication Ports	TCP/IP, USB Type A (U-Disk), Wi-Fi, 4G Optional

Mechanical & Environmental

USB	USB2.0x1, Supports U Disk Import/Export Data
Power Supply	DC12V 1A
Built-In Battery	Supported Up to 6 Hours
Working Environment	0~+45°C/20%~95% RH
Lighting Conditions	Normal Light, Strong Light, Dark Environment, Backlight

Specifications

Live Detection	Rejects photo and video, to prevent all kinds of black & white, color photos and videos from deception
Logs Capacity	500.000
Verification	Face Recognition, Fingerprint, Password, ID Card (IC Card optional)
Face Capacity	5.000 (50.000 Optional)
Fingerprint Capacity	10.000 (100.000 Optional)
Card Capacity	5.000 (50.000 Optional)
Password Capacity	5.000 (50.000 Optional)
Recognition Speed	≤ 0.2s
Recognition Distance	0.5 ~ 2.5 m
Principle of Identification	Face algorithm technology of multi-task cascaded convolutional neural network based on video stream for dynamic face detection, tracking and recognition
QR Code Scanner	Supported
Relay Output	One Set
Wiegand Output	One Set (26/34)
Exit Button	Supported
Door Bell	Supported
Special Features	Displays verified user photos, detects strangers, celebrates birthday with audio and visuals
Language	English, French, Spanish, Portuguese, German, Italian, Greek, Danish, Finnish, Russian, Hebrew, Turkish, Bulgarian, Arabic, Korean, Japanese, Thai, Hindi, Romanian, Dutch, Polish

5.000
(50.000 Optional)

Face Capacity

5.000
(50.000 Optional)

Card Capacity

5.000
(50.000 Optional)

Password Capacity

≤ 0.2s

Recognition
Speed

**0.5 ~ 2.5
meters**

Recognition
Distance

10.000
(100.000 Optional)

Fingerprint Capacity

2MP

Infrared Live
Camera

WDR

2MP Colorful
WDR

5 Inch

Screen Display



Touch Screen



Access Control



Multi Language



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