

AD-505 FP/W/VB-AI



AI Dynamic Face
& Fingerprint Recognition
Time Attendance
Access Control

Dynamic face recognition

Fingerprint

Password

ID/IC card optional

Infrared Live Body
Detection

Fast identify forehead, nose, chin, mouth, etc.

Wear Glasses

Makeup

Mustache

Black Face

Wear Veil

Wear Mask

Specifications

Screen	4.3 Inch Touch Screen
Keypad	Touch keypad
Operation system	LINUX 3.10
CPU	800M single-core ARM Cortex-A7
NPU	800G (0.8T) Hashrate
RAM, ROM	256M DDR3L, 4G EMMC
Camera	1MP color camera + 1MP infrared camera
Live detection	Dynamic dual-camera anti-counterfeiting, to prevent all kinds of black-and-white, color photos and videos from deception
Logs capacity	500000
Verification	Face,Palm vein(optional)Fingerprint,password,ID Card(IC card optional)
Face capacity	5000
Fingerprint Capacity	10,000
Palm Vein Capacity	10,000
Card Capacity	15,000
Face Recognition Accuracy	99.70%
Recognition Speed	≤0.2s
Recognition Distance	0.5~2.5 meters (0.5~1.5 meters with live face recognition on)
Principle of Identification	Face algorithm technology of multi-task cascaded convolutional neural network based on video stream for dynamic face detection, tracking and recognition
WDR	Wide dynamic range, support accurate face recognition under Strong light, dark light and backlight
USB	USB2.0x1, Support U disk import/export data
Power supply	DC12V 1A
Built-in Battery (optional)	7.4V, 2000mA
Network Communication	TCP/IP, USB, Wifi
Free Attendance software	Local software and web based cloud software
Mask Detection	Support mask detection and face recognition with mask on
Access Control Interface	Lock output Doorbell output/external ring Weigand input/output
Environmental adaptability	Working temperature: 0~45°C Working humidity: 20% ~90% Dark enviroment: LEDSoft light automatic fill light (Automatic control according to ambient light)
Muti language	Support 20 national languages and voices including English, Spanish, Arabic, Thai, Farsi, Portuguese, French, Italian, Japanese, Korean, etc

5000
ID/IC Card
Optional

0.5~2.5
meters
Recognition
Distance

5000
Face
Capacity

≤.02s
Recognition
Speed

10000
Fingerprint
Capacity

4.3 inch
Screen
Display

Touch
Screen

Multi
Language

Access
Control

1MP
Infrared live
camera

WDR
1MP Colorful
WDR

99.70%
Face Recognition
Accuracy

Palm Vein Recognition
(optional)

Near-infrared image

Vein image