

iSbote A1 3D Face Recognition Attendance & Access System

iSbote A1 3D AI Dynamic Face Recognition Access Control System is latest generation of access and attendance solution, based on advanced Dynamic face recognition technology. With high flexibility, A1 supports multiple unlock modes, including high security 3D Face Recognition, Password, ID/IC card and more.

A1 also supports multi-personal (at most 5 users) simultaneous face recognition in different brightness conditions for its built-in WDR (wide dynamic range), which guarantees good performance under any high or low brightness environment. In addition, while requested, A1 also can capture stranger's photo if he/she appears in the camera and upload photos to application software in real time, which improves system's user-friendliness and convenience in everyday life. Superiorly intelligent, A1 can accurately display user enrolled photo category when recognizing face.

Key Features

- Support face recognition for 5 person at same time, recognition speed is less than 0.2s
- Support WDR(wide dynamic range), and support face recognition under light/dark condition
- Multiple modes to access internet, like TCP/IP, USB Link or WIFI Optional
- Support stranger(new employees) face-picture capturing in camera detection range
- Can adjust face recognition distance for short, middle, or long-distance range
- Provide Free Desktop Software, Web Cloud, and Mobile App.

Key Benefits

- 3D face recognition ensures live body face detection, prevent human photo and video
- Support QR code reader to simplify access procedure and improve efficiency
- Support face identification with wearing mask or make up
- Screen lock setting for automatic face detection for greener world
- Professional time attendance and access control function
- Based on latest advanced Dynamic face recognition technology

Core Specifications

Product name	iSbote A1 AI Face Recognition Access Control Terminal
Screen	5.0 Inch IPS Touch Screen, HD 720*1280
Keypad	Touch keypad
Operation system	LINUX 3.10
CPU,NPU	1.2G Dual-Core ARM Cortex-A7
RAM	256M DDR3L
ROM	4G EMMC

Binocular camera	Real Sensor 1/2.9 inch FOV 75° 200W pixel high-definition color camera WDR wide dynamic Sensor 1/5 inch FOV 75°200W pixel infrared live 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
Face Registration	Local operation: Enroll face with machine, import user photo with U disk Software operation: Import user photo to software, capture user photo with camera
Verification	Dynamic face recognition, password, ID (IC card optional)
Face capacity	5000(20000 optional)
Card Capacity	5000(20000 optional)
Password Capacity	5000(20000 optional)
Face Recognition Accuracy	99.70%
Recognition Speed	≤0.2s, support single user/multi user(at most 5 users) recognition at same time
Recognition Distance	0.5~2.5 meters (0.5~1.5 meters with live face recognition on)
Prevent Photo	Dual camera anti-counterfeiting, prevent recognition with photo/video
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 Supports simultaneous recognition of up to 5 people, face tracking, face capture
USB	USB2.0x1, Support U disk import/export data
Power supply	DC12V 2A
Network Communication	TCP/IP, Wi-Fi
Management Software	Desktop, Cloud ,SDK, Mobile APP
Access Control Function	Magnetic door: support Alarm output: 1 set Usb Disk output:1 set Relay output:1 set Exit button: 1 set WG: 1 set WG In, out

	External alarm: support
QR Code Scanner	Support
Environmental adaptability	Working temperature: -15C~+45°C (storage temperature -40C~+65°C),
	Working humidity: 20% ~90% (storage humidity 20%~90+2%),
	Dark environment: LED Soft light automatic fill light (Automatic control according to ambient light)
	Ambient light adaptation range: 0-50000Lux
Multi-language	Support 20 national languages and voices including English, Spanish, Arabic, Thai, Farsi, Portuguese, French, Italian, Japanese, Korean, etc
	Support Chinese, English, Korean, Persian T9 input method
Installation Way	Standard: Wall mount, desktop stand; Optional: bracket for turnstile, floor stand

AI Dynamic Face Recognition Access Control

- ✓ Dynamic face recognition
- ✓ Password
- ✓ ID/IC card optional






Single user /
Multi user recognition



Recognition
Distance



Face
Capacity



Recognition
Speed



200W Colorful
WDR



Screen
Display



Touch
Scree



Multi
Language



Access
Control



Infrared live
camera



HD
Screen



Face Recognition
Accuracy

Support multi person (at most
5 users) face recognition
at same time



Support mask detection



Support WDR(wide dynamic range),
with good performance under
strong light, dark light and backlight
environment



Strong light



Dark light



Backlight

Support capture stranger's photo if he appears in the camera and upload photo to software real time



Display user enrolled photo when verified face



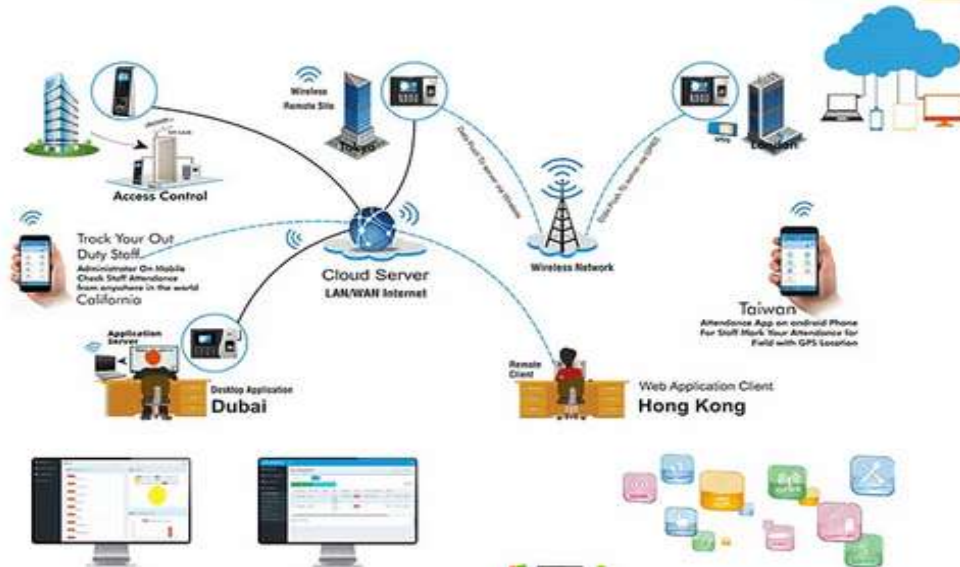
QR Code Scanning for Visitors





Web Based Cloud Software

Multi Location Attendance and Access Control Solutions On Cloud



Support set face recognition

distance: close(around 0.8m),
middle(around 1.5m),
far(around 2~3m)

