

iSbote A3 Face Recognition Attendance & Access System

iSbote A3 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, A3 supports multiple unlock modes, including high security 3D Face Recognition, Password, ID/IC card and more.

A3 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, A3 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, A3 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 Specification

Product name	iSbote A3 AI Dynamic Face Recognition Time Attendance Access Control Terminal
Screen	5 Inch, HD 1280*720. Capacitive Touch Screen
Keypad	Touch keypad
Operation system	LINUX3.10
CPU.NPU	1.2G Dual-Core ARM Cortex-A7, 600G (0.6T)
RAM	256MB DDR3
ROM	eMMC Flash 4GB
Binocular camera	200W Colorful WDR+200W Infrared live camera
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, IDIC card optional
Face capacity	5000 (20000 optional)
Fingerprint Capacity	10000
Card Capacity	5000 (0000 optional), ID Card Standard, IC Card 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)
Photo Avoiding	Dual camera anti-counterfeiting, prevent recognition with photo video
Principle of identification	Face algorithm technology of multitask 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
Power supply	DC12V interface x 1
Network Communication	TCP/IP, Support C/S LAN communication, Wi-Fi (optional, 35\$), 4G(65\$)
Free Attendance software	Support exporting excel attendance report with U disk
Shift	Support shift sting and importing shit schedule with U disk
Management Software	Support PC software to manage data through network connection with equipment
Access Control Function	Door unclosed alarm, forced door opening alarm, alarm linkage and output, one set of door opening signals, one set of alarm signals, time permission control, connect external access control reader, Wiegand 26/34 output input
Environmental adaptability	Working temperature: -15C~ +45 ° (storage temperature -40 ° C~+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	English, Spanish, Arabic, Thai, Farsi, Portuguese, French, talian,. Japanese, Korean, etc
Broadcast and ring	Support display name, voice broadcast name, bulletin bell ring
Automatic fill light	Support infrared fill light, the white fill light automatically lights up when face is captured in dark light
Working Current	stand-by current: 310mA , Working current: 520mA
QR Code Scanner	Support
Working Voltage	DC12V
Installation Way	Standard: Wall mount, desktop stand; Optional: bracket for turnstile. Floor stand
Machine Dimension	About 120.5x130. 5x26mm

5 Inch Dual Camera Fingerprint Time Attendance And Access Control Face Recognition Attendance System With Backup Battery

Freely Using PC Software/
Web Cloud/Mobile App

 C#/Java
SDK provided



Single user / Multi user 0.5-2.5 meters WDR Technology Live Body Detection 5 inch display Fingerprint Capacity

Multi-Language Access Control RFID Support Photo-Capture OEM Screen savers

Infrared Live Body Detection

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





Real face recognition (marked with a green checkmark)

Photo & Video not recognized (marked with a red X)

5 People Face Recognition At Same Time



Five individuals are shown with their names labeled above them: Emily, Charles, Edward, Behr, and Aimee.

Flexible Face Recognition Distance 0.5~2.5 meters



The diagram shows three distance ranges with corresponding icons:

- 0.5m Close** (yellow circle)
- 1.5m Middle** (green circle)
- 2.5m Far** (purple circle)

Verification Logs transfer to software in real-time



The diagram shows a tablet displaying a group of people and a computer monitor displaying a software interface with various icons and data.



Exporting Attendance Report

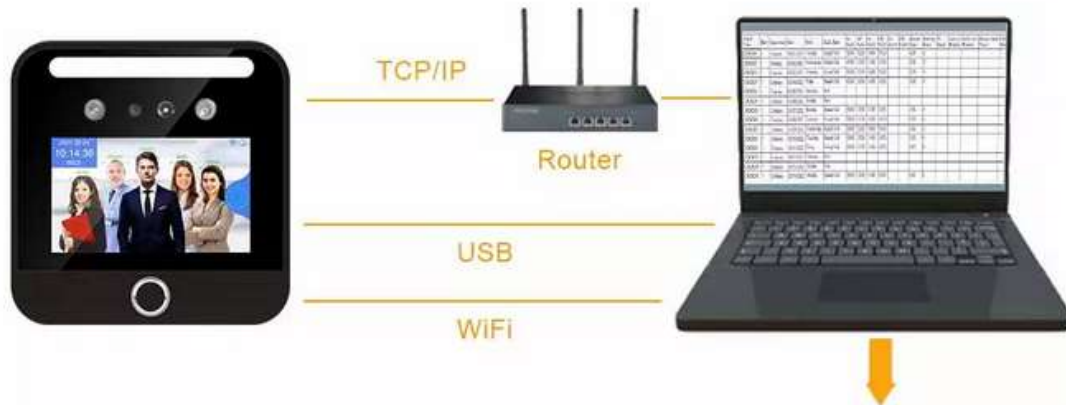
Exporting report from AI05 machine with U disk

Original record																																	
Date:2019-8-1~2019-8-31																																	
ID:1 Name:Lucas Dept.:Office Shift:Day Shift																																	
08:25	12:03	13:26	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06	18:06
Original record schedule Summary Report																																	

schedule												
ID:1	Name:Lucas											
Dept.:Office	Shift:Day Shift										Date:2019-8-1~2019-8-31	
Date	week	Sec1		Sec2		Sec3		Work hours		OT hours	Late minutes	Leave minutes
		IN	OUT	IN	OUT	IN	OUT	Normal	Actual			
8-1	THU	08:25	12:03	13:26	18:06	18:06		8	8	0	0	0
Original record schedule Summary Report												

Summary Report												
Date: 2019-8-1~2019-8-31												
ID	Name	Dept.	Work hours		Late minutes		Leave minutes		OT hours		Work Dates(Normal /Actual)	Truancy
			Normal	Actual	TIMES		Minutes	TIMES	Minutes	Normal		
1	Lucas	Office	248.0	248					77.5		31.0/31.0	0
Original record schedule Summary Report												

Exporting report from PC software(Connecting by TCP/IP or Wifi)

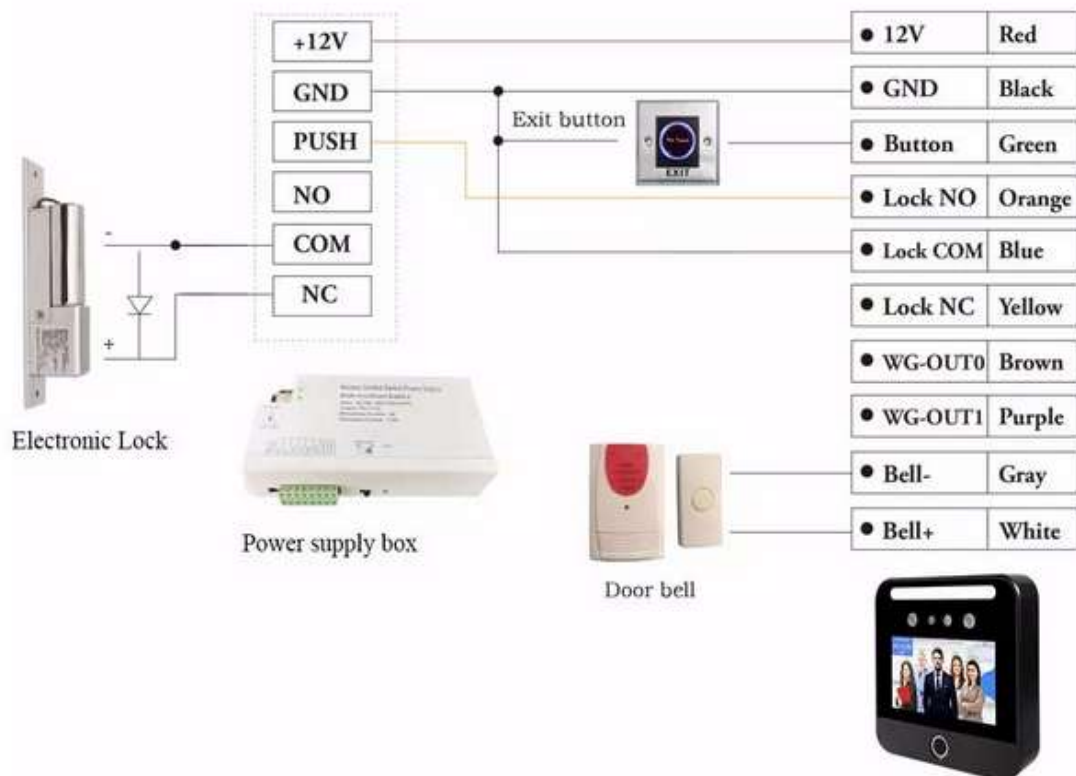


Name	Staff Code	Date	Week	Time1	Time2	Time3	Time4	Time5	Time6	Time7	Time8	Time9	Time10	Time11	Time12	Total work time
1	00000001	03/01/2022	Tuesday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/02/2022	Wednesday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/03/2022	Thursday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/04/2022	Friday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/05/2022	Saturday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/06/2022	Sunday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/07/2022	Monday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/08/2022	Tuesday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/09/2022	Wednesday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/10/2022	Thursday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/11/2022	Friday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/12/2022	Saturday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/13/2022	Sunday	08:00	12:00	14:00	18:00									8.00
1	00000001	03/14/2022	Monday	08:00	12:00	14:00	18:00									8.00

Mobile APP: Intelligent Cloud Platform

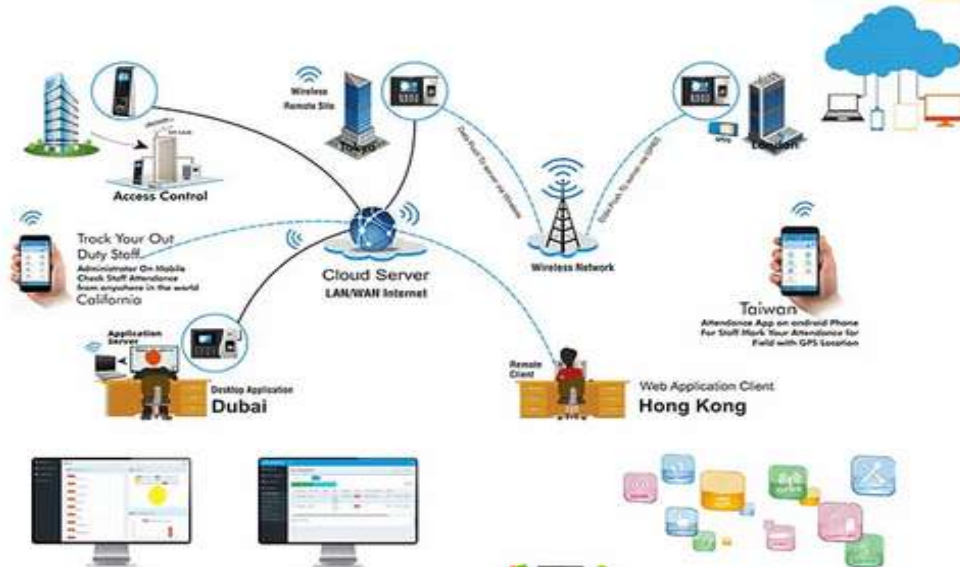


Access Control Diagram



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)

