H1000 (Face Recognition with temperature measuring)

Component Appearance ID Diagram

H1000 device is an embedded authentication device based on Andriod system,which supports the function of face temperature measurement. It can quickly and accurately test the temperature of human body, and alarm when the temperature is too high. Mainly used in office building,examination halls, railways, banks, building industries, hotels and other places where need identification.
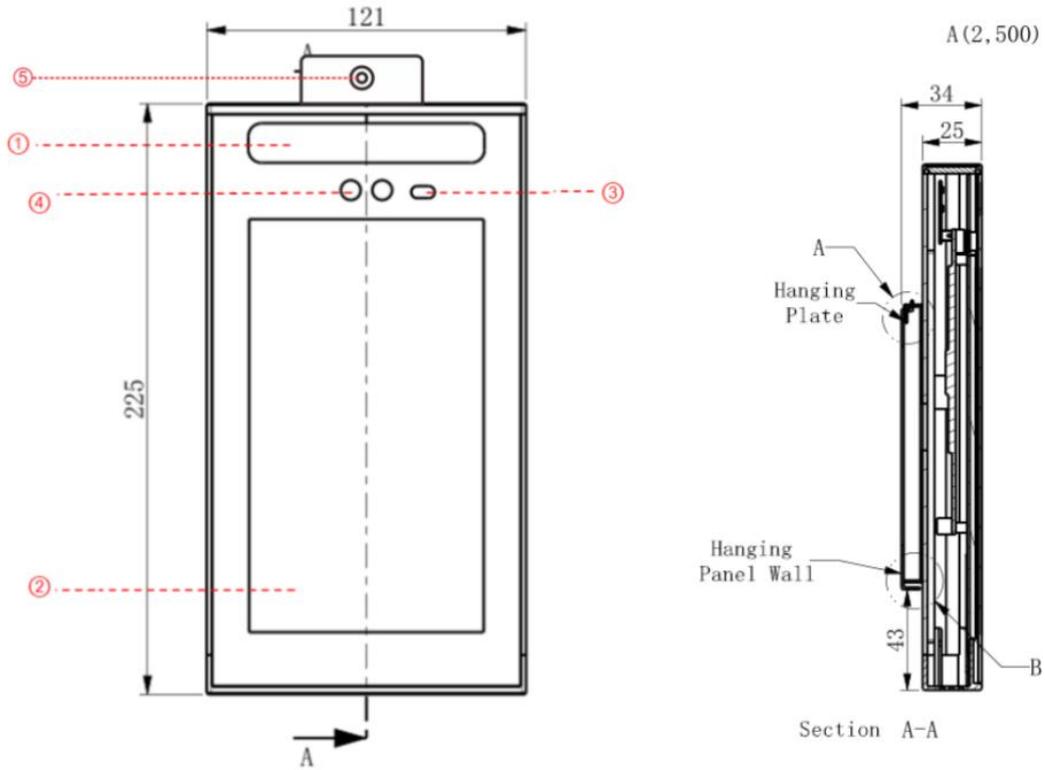
Supports 1080P high-definition camera and speaker; supports COM port and TCP/IP communication mode; supports external ID card reader and ID card reader, and supports a variety of authentication methods. It can be used with personnel channels to facilitate personnel access management

Main Functions of Products

- Support human body temperature detection.

- Support 7-inch touch display with a resolution of 1024 x 600.

- Supports 2 million wide-angle cameras.

- Real person detection function: Recognize whether the collected face is a real person or not.

- 16G storage capacity can store up to 30,000 white-list face photos, 10,000 black-list face photos and 50,000 matching events.

- Support External TF storage card

- Support various authentication methods: card + face, ID card + face, face, automatic mode (card + face or face); and support two-dimensional code instead of ordinary card for identity authentication (devices need external card reader to support card swiping function).

- Support Wi-Fi connection.

- Blacklist is sent through the client to support blacklist checking and blacklist event reporting, and is displayed on the home screen.

- Support import and export of face iMeiGes and events.

- Device supports an external ID card reader through a USB interface.

- The ID card blacklist and face blacklist pictures are issued.

- Supports white-list face posting.

- Support RS-232 communicating with access control host and RS-485 communicating with third-party equipment.

- Support offline event upload.

- Support HDMI External Display Screen (need to be customized and extended).

- Support voice prompt function.

- Advertising message publishing: Users can customize text or pictures and publish them on the device display screen.

- Support from the platform to the device, as well as from the device to obtain face iMeiGes.

- Support access to cloud storage platform.

Equipment Hardware

Appearance Introduction

Component Appearance Diagram

Component S/N	Description
①	Fill-in light
②	Display screen
③	Infrared lamp
④	Camera
⑤	Temperature sensor

Product Specifications

Item	Specification	Description
Basic Specification	OS System	Android 7.1 above
	Display Screen	Inch:7-inch, Display Ratio:16:9, Resolution:1024 × 600
	Power Supply	DC 12V/2A (No power supply,adapter power supply)
	Equipment Power	12W
	Relative Humidity	0% - 90% (without condensation)
	Operation Temperature	-20℃ ~ 60℃
	Waterproof Rate	IP55
	Application	Indoor,Outdoor
	Dimension	121mm(Width)*225mm(Thickness)*25mm(Height)
Hardware Configuration	Recognition Mode	Face Recognition
		ID card (Outsourcing Module requested)
		mifare Card (Outsourcing Module requested)
	Face Recognition Parameters:	Person-to-Person Comparison Time < 1 s/Person
		Accuracy of face verification ≥ 99%.
		Facial recognition distance 0.3 m~2.0 m
		Local face capacity is 30,000.
	Interface	RS-232*1
		RS-485*1 (Default no, optional, customized)
		100Mbps Network Card *1
		Wigan Interface * 1 (Read and Write)
		USB2.0 *2 (Default one)
		Relay *2 (default one)
		HDMI *1 (Default no, optional, customized)
		Power interface *1
	Camera	2 million pixels 1080P
	Infrared camera	2 million pixels 1080P
	Infrared Fill Light	Support
	Speaker	Single speaker,Power >1.5 W
Wireless Connection	4G LTE	4G Netcom
	WIFI	2.4G 802.11b/g/n
	BT	BT4.0
Body temperature detection	Temperature Broadcast range	35~42℃
	Measuring Accuracy	±0.5℃ (Ambient Humidity 10℃~30℃)
	Measuring Distance	<0.5m
	Measuring Speed	100ms~500ms
	Over temperature alarm threshold	37.3℃