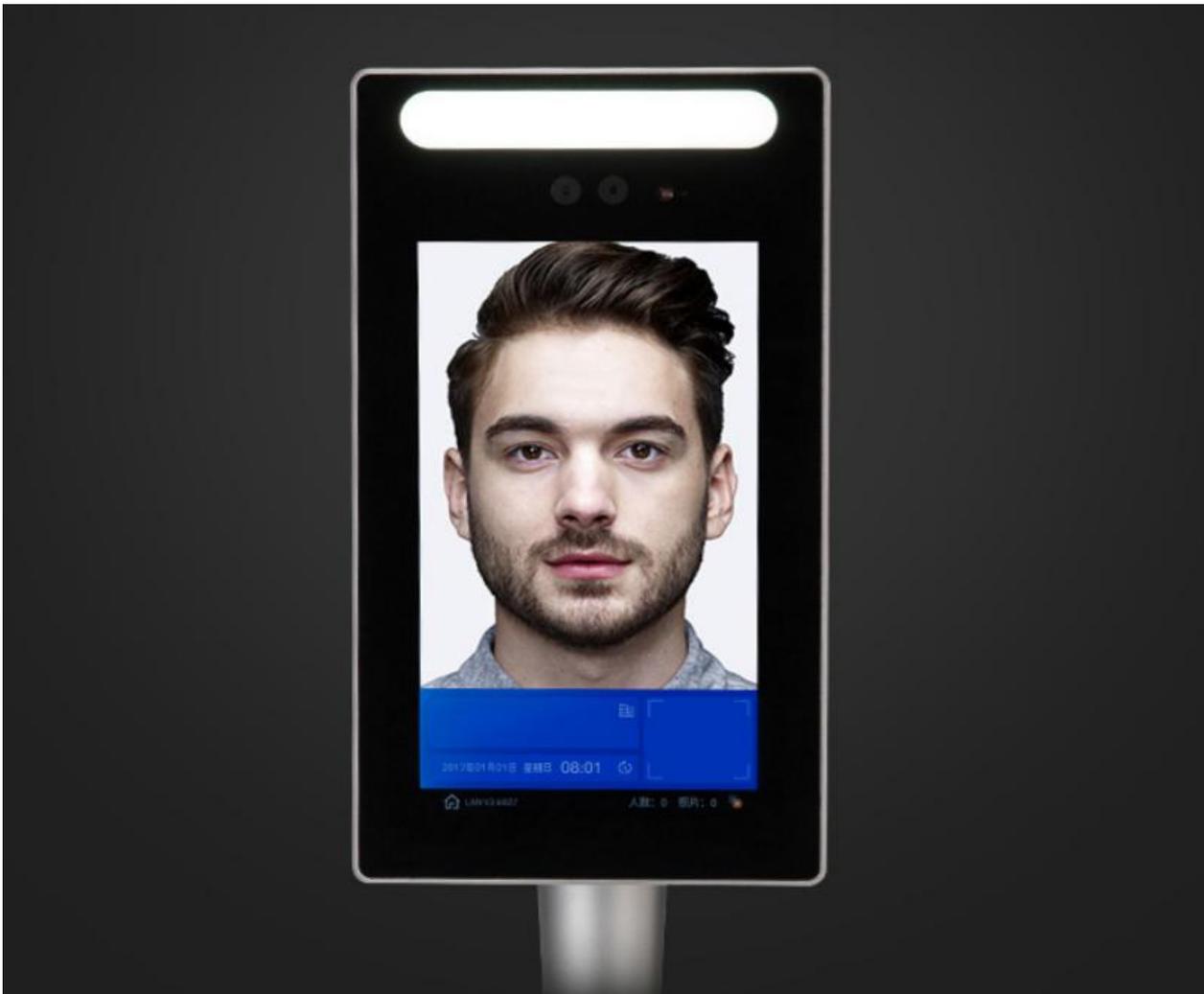


Model: AX-SF02



Product Features

1. Support for external large screen;
2. Dynamic double-camera recognition and anti-counterfeiting, completely solve the deception of various photos on various carriers;
3. Night infrared, RGB double fill light;
4. Support the insertion of 4G network card wireless Internet access;
5. Support the storage of 100,000 face photos, 1 million identification records;
6. Support 1:1 face comparison, 1:N face recognition;
7. 1:N recognition accuracy is high, the face database is 10000 (recommended face database is not higher than 10000), one millionth of the misunderstanding rate, 97% pass rate, 1:1 face comparison accurate The rate reached 99.7%;
8. Recognition speed is fast, face tracking and detection takes about 20ms, the face feature extraction takes about 200ms, and the face comparison takes about 0.1ms;

9. Support stranger detection, stranger level can be configured;
10. Support the preservation of live photos when face recognition or stranger detection;
11. Support the deployment of public cloud, private cloud and local area network;
12. Support the interface and support the building system;
13. Support identification distance configuration;
14. Support screen display content configuration.

Product specification sheet		
Square face recognition device		
Name	Parameters	
Camera	Resolution	200W pixel
	Types of aperture	GGB, infrared dual camera
	focal length	F2.4
	White balance	4 mm
		automatic
Screen	size	7", 170° IPS LCD screen
	Resolution	1024x600
Processor	CPU	4 cores, 1.8 GHz
	Local storage	Memory 8G
Accessories	Fill light	Infrared, LED fill light
	Card reader module	IC card reader (external), can read the ID number of the ID card
	Network module	Support wired, wireless (Gwi-Fi), wireless (4G network card)
Interface	Audio	1 channel audio output (line out)
	video	1 HDMI 2.0 Type-A interface
	USB interface	USB 2.0 Type-A interface 1
	Serial communication interface	RS232 serial port, 2.5mm terminal block 4P
	Relay output	2.5mm terminal block 3P
	Wiegand interface	2.5mm terminal block 2P
	Reset interface	RESET on the back of the device
Features	Wired network interface	2.5mm terminal block 4P
	Face Detection	Supporting detection and tracking of 5 people at the same time
	1:N face recognition	Supported by 3% of the misunderstanding rate, 99.7% pass rate
	1:1 face comparison	Support 1:1 swipe module to achieve 1:1 face comparison
	Stranger detection	Support
	Recognition distance configuration	Support
	UI interface configuration	Support
	Remote upgrade of equipment	Support
	Device interface	Interface includes device management, personnel/photo management, record query, etc.
	Deployment method	Support for public cloud deployment, privatization deployment, LAN usage
General parameters	Protection level	IP42, certain dustproof and waterproof function
	power supply	DC12V (±10%)
	Operating temperature	-10°C-60°C
	Working humidity	10%~90%
	Power consumption	10W MAX
	Installation method	Wall bracket installation, gate bracket installation
	Equipment size	217*120*24(mm)
weight	≈2KG	

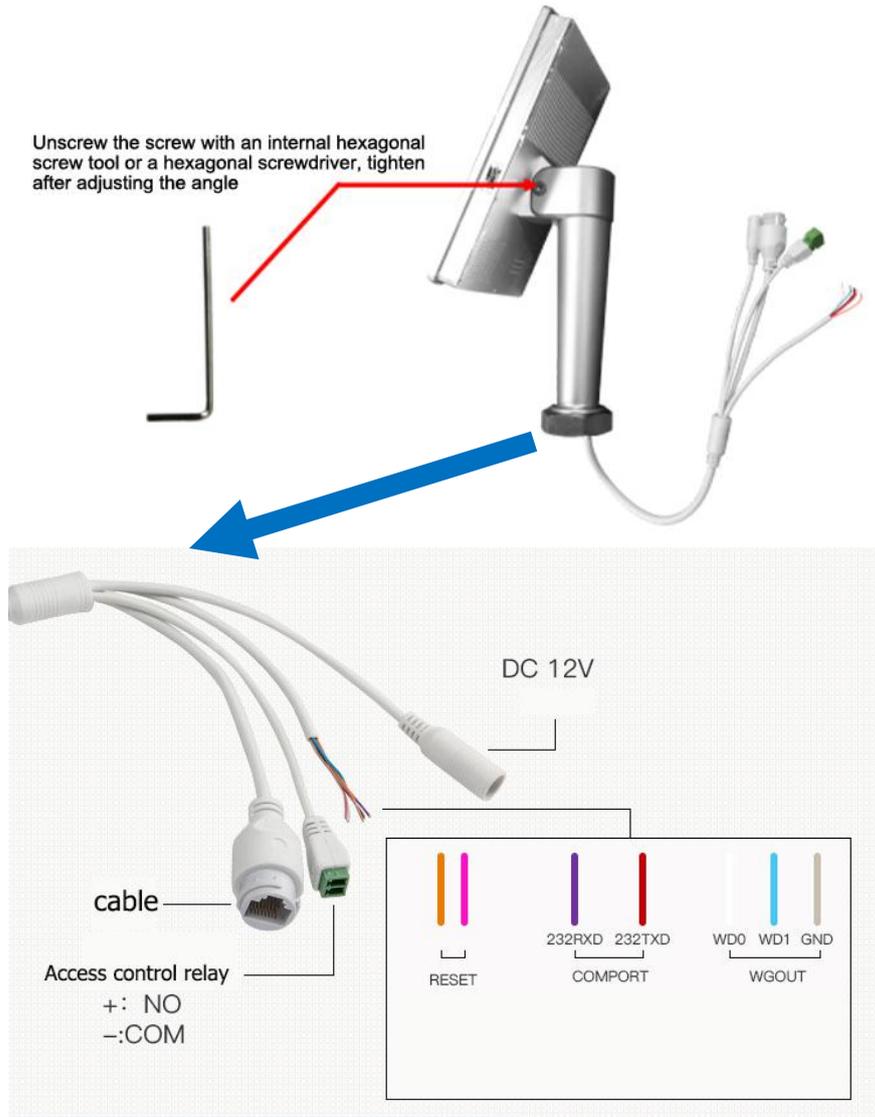
Appearance size (mm)



Installation Notes

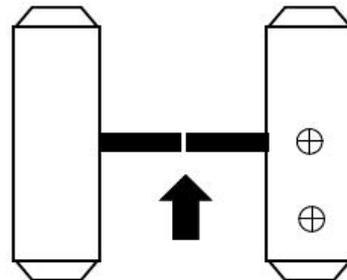
Appearance section instructions

The device with column diagram is shown as follows



Installation steps

①According to the requirements of the installation site, open a 35mm aperture in the space position on the gate, generally in the middle or front side, as shown in the figure, the recommended opening position.



②Unscrew the nut at the bottom of the column, pull the cable out of the nut, and remove the nut as shown.

Note: a) Do not connect the network cable, power cable, etc. at this time to avoid installation trouble.

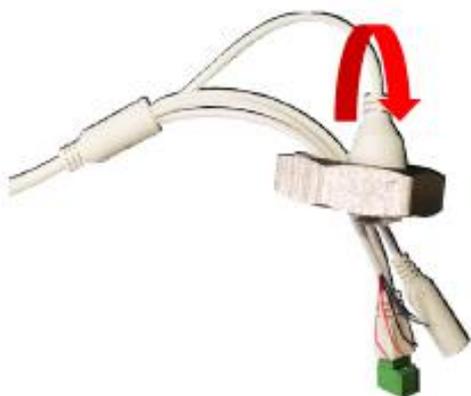
b) 4 cables cannot be pulled out from the nut at one time, please pull them out as shown in the figure.



③ Pass the column and cable through the top and bottom into the opening of the gate as shown.



④ Under the gate, thread the cable connector through the nut in turn, and tighten the nut to the thread as shown.



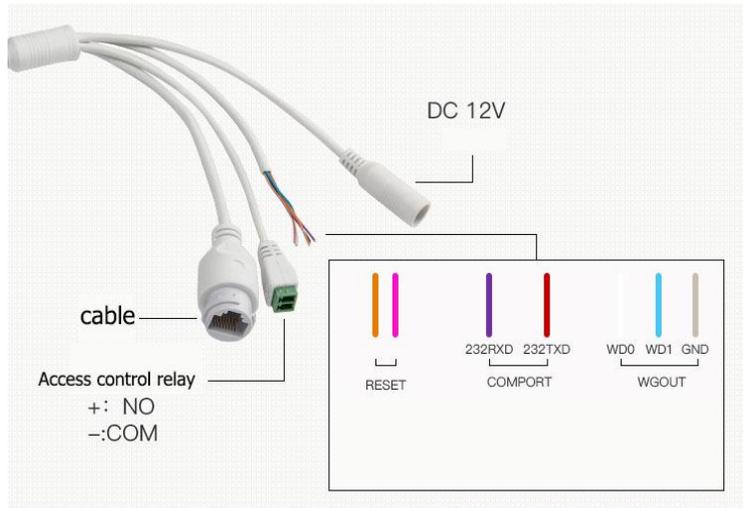
Tighten the nut

⑤ Connect the network, power cord, etc., and the screen will start.

⑥ Adjust the bracket angle to achieve the best recognition of the angle and height range of user's faces.

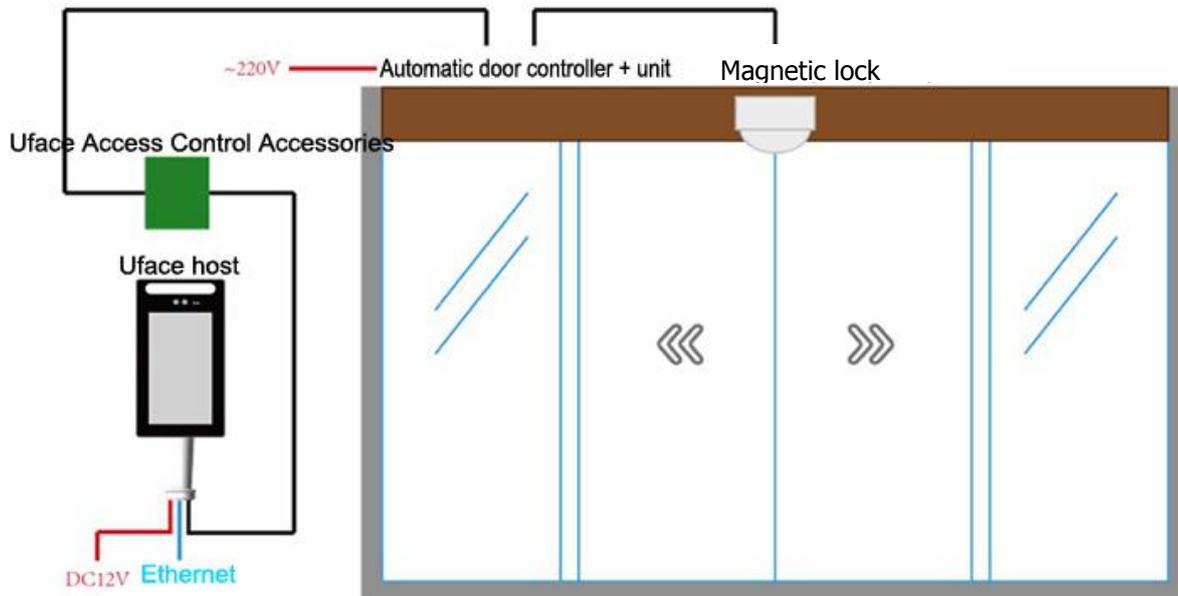
Access control installation

The gate of the gate is as shown in the figure, and the green is the access interface NO, COM. For other wiring, see the instructions in the Appearance section.



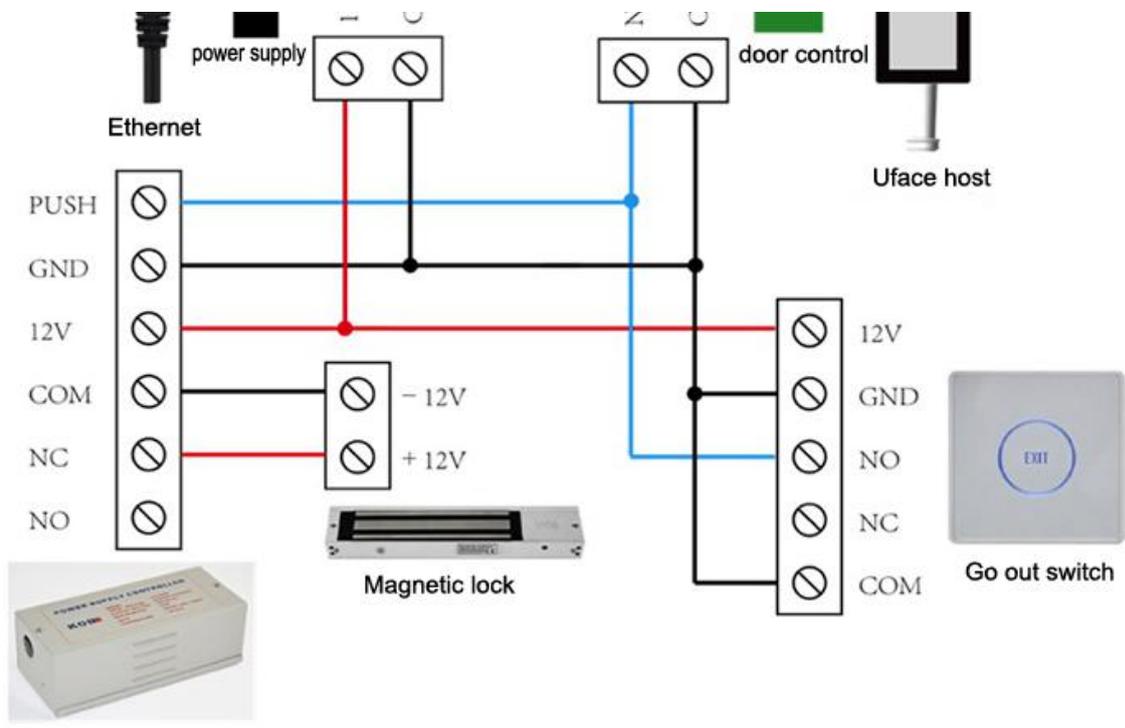
1. The magnetic door wiring

1.1 Magnetic door system installation diagram

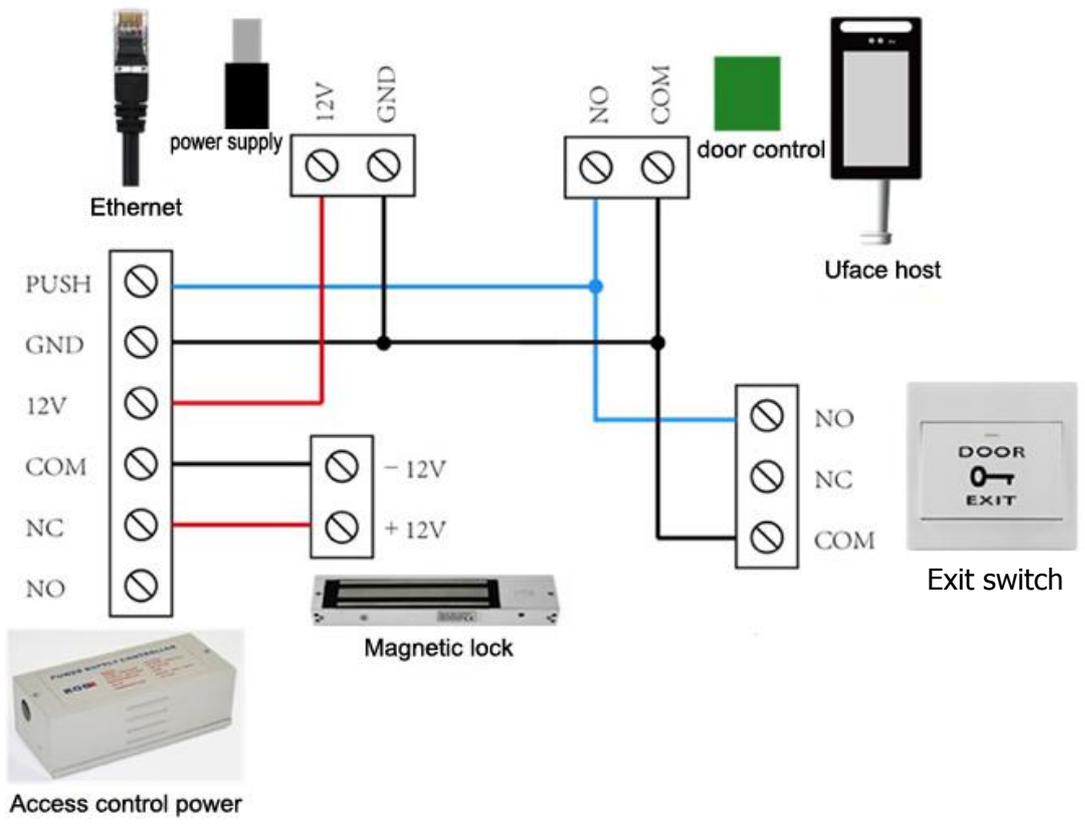


1.2 Magnetic door touch switch wiring diagram



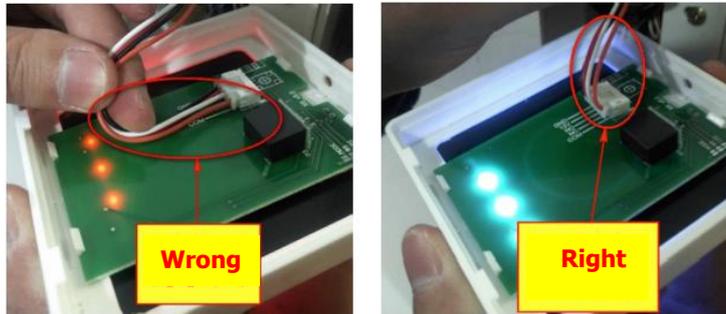


1.3 Magnetic door mechanical switch wiring diagram

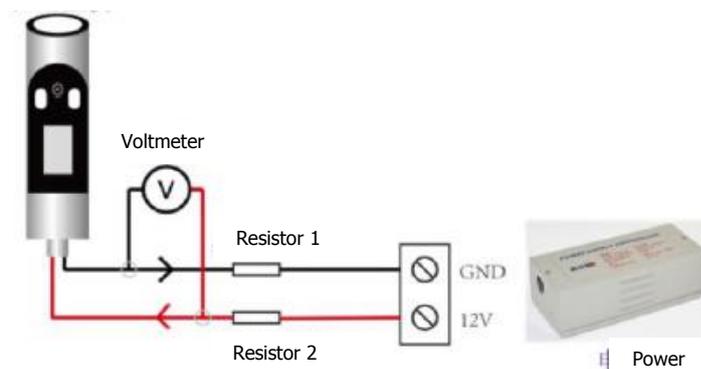


2. installation precautions, installation precautions, installation precautions

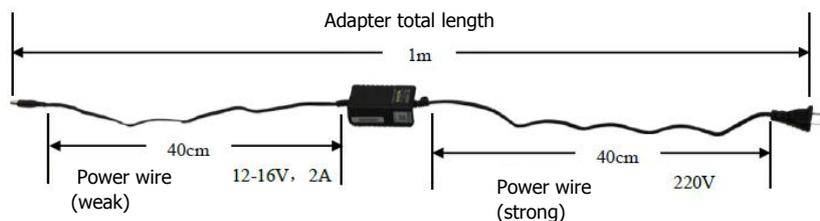
1. Touch the cable inside the switch panel as far as possible from the center of the back of the panel.



2. In actual wiring, if the 12V power supply line of the main unit does not use the “dedicated power extension cable” and the distance is long, resulting in excessive cable equivalent resistance, the terminal voltage is insufficient ($\leq 11V$), the host repeatedly restarts, and the machine crashes. And other anomalies. The voltage measurement wiring is shown in the figure.



3. The device comes with a power adapter as shown, the total length is 1 meter, of which the power cord is 40cm (low voltage wire), the power supply line is 40cm (high voltage wire).



1) The extension of the power cable (weak power part) should not exceed 2 meters. Otherwise, the power supply at the host terminal of the device will be insufficient, and repeated restarts and crashes will occur. If the power supply is far away from the device, extend the power cord (strong power section).

2) If other adapters, such as 9V, 1A, are used, the voltage is too low and the current is too small, which will cause the device to restart repeatedly.

3) The cable used should not be too thin (such as the thin wire of the network cable). It is recommended to connect multiple strands of the same cable or use a thick copper core cable to ensure the voltage is $>11V$.

Note: If the network cable is used, the extension cable uses 4 strands of wire for positive and 4 strands for negative.

4) If you are not sure how to extend, please contact the supplier to replace the "dedicated power extension cord".

Project showcase

