Dynamic face machine Instructions

Dear customer, thank you for purchasing our company's products. Before using this product, please read the product operation instructions carefully, this will help to improve your efficiency of using this product.

Ⅰ. Usage Environment

1. Usage temperature

The ambient temperature range for the operation of this equipment is: 0-45 C . Please try not to use it outdoors! Long-term outdoor use will adversely affect the normal operation of this device.

If you must use it outdoors, you need to use parasols and heat dissipation equipment in summer, and keep warm in winter.

2.Light effects

Facial recognition devices can be installed in indoor and outdoor environments. But direct sunlight and strong light will capture the scene.

Backlighting and sum metering have a greater impact on facial images. When performing recognition, neither the device nor the face should be affected by strong light; side light will cause uneven facial light and dark, which will also affect recognition.

When the device is in a completely dark environment, the facial light intensity at a distance of 0.5 meters from the device is about 100 Lux-300 Lux. The closer to the device, the higher the facial light intensity. If the facial exposure is too high, the feature points cannot be extracted and recognition is difficult.
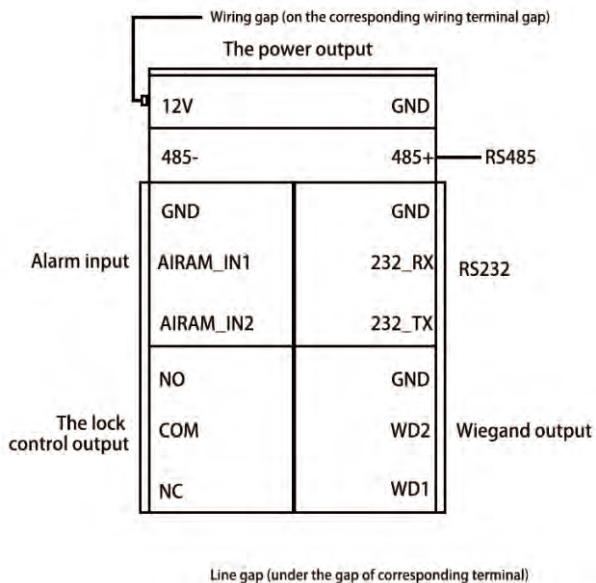
3.Installation and use suggestions

1. Install the device in a place where the light source has less influence;

2. Attach the equipment hanging board to the wall and drill holes. The recommended height of the equipment to the ground is 1.4 meters (applicable height range of 1.5 meters to 1.85 meters), which can be adjusted according to the overall height of the personnel.

3.The recommended distance between the person and the machine is 0.4 meters (applicable height range 1.5 meters -1.85 meters), which can be adjusted according to the image effect of his face displayed on the device, and when the face image is displayed larger, it moves back appropriately ; When the face image display is small, it can move forward properly.

(Note: When using face punching, the recommended standing position is 0.5-1.5 meters away from the face machine.)
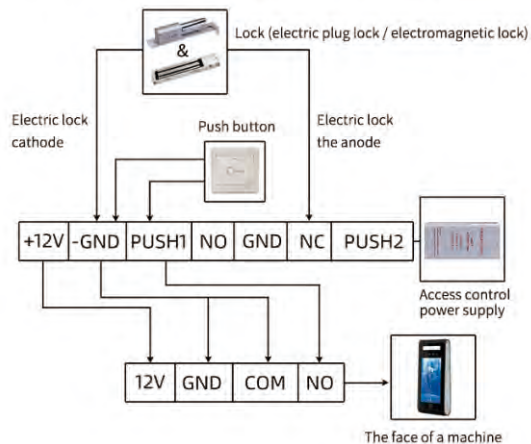
4. If the face is recorded on this machine, the recording is performed under the condition that the external light is relatively bright and there is no direct sunlight or metering;

5. If you use a computer or other camera tools to take photos, and then send the employee photos through the software, consider choosing photos with better quality;

6. If installing outdoors, consider installing shading plates for the equipment. If installed indoors, the device should be at least 2 meters away from the light source and at least 3 meters away from the window.

Description of the wiring sequence of the face port:

Wiring diagram of face machine:

Wiring gap (on the corresponding wiring terminal gap)

The power output

12V	GND
485-	485+

RS485

Alarm input	GND	GND	
	AIRAM_IN1	232_RX	RS232
	AIRAM_IN2	232_TX	

The lock control output	NO	GND	
	COM	WD2	Wiegand output
	NC	WD1	

Line gap (under the gap of corresponding terminal)

Face machine wiring diagram

Lock (electric plug lock / electromagnetic lock)

&

Electric lock cathode

Push button

Electric lock the anode

+12V	-GND	PUSH1	NO	GND	NC	PUSH2

Access control power supply

12V	GND	COM	NO

The face of a machine

Note: please cut off the power when wiring, make sure the wire has been connected, then power on, do not have live operation.

Ⅱ. User

In the device, you can register [User], [Admin], [Super Admin] three permissions, it is recommended that the system administrator first enter all ordinary users, and then set the administrator and super administrator, if registered super Administrator, you need to verify the identity of super administrator before you can enter the menu. The super administrator has the operation permission of all functions on the device, and the administrator can only operate some functions. If the super administrator personnel leave and change, you need to change the super administrator privileges of the User to ordinary Users before they can be deleted.

Both [User] and [Admin] have a unique registration number. This registration number is the employee's unique identification on the facial machine.

1.Add User

Select [User] [Add User] in the menu, then manually enter the job number, name, face and other information, and click the OK button in the upper right corner to save successfully.

2.User List

Select [User] [User List] in the menu, and then edit or delete. After editing, click the OK button in the upper right corner to save successfully.

Ⅲ. NetWork

Select [NetWork] [TCP/IP] in the menu, the system default DHCP is on. When it is turned on, it will automatically obtain an IP address. If the device is connected to the software, the DHCP function can be turned off. Because when the machine is restarted, it may obtain another IP address, which may result in failure to connect to the previous software.

（Note: This device may have both wireless network (WIFI) and wired network functions. You can choose which communication method to use to connect to the network according to your needs.）

Ⅳ. Info (Information)

1. Store info(Storage information):used to check the storage and remaining capacity of employees, administrator registration number, face, password, etc. in this device.

2. Record : Enter the employee ID you want to query and select the start and end time, then all attendance records of the employee in that time period will appear.

3. Device Info:used to view the device serial number, system version, release date and other information.

Ⅴ. System

1. Time And Date: manually set the current time and date of the device

2. Reset

a. Restore Default Set: delete all data (personnel information and punch card records) on the machine, and restore the machine to the factory state, please operate with caution.

b. DEL Attendance Record: You can delete all the entry and exit record information in this device.

c. Delete All: all personnel data in this device can be deleted.

3. Reboot

a. Reboot Now: After clicking manually, the machine will automatically restart once.

b. Sleeper: set the time for automatic restart, click on or off, and then press the OK button in the upper right corner to save successfully.

4. Door Delay Time: Set the opening and closing time of the relay in this device. After the door lock is connected, this function can be used to control the door lock opening and closing time.

5.Atten Interval (Time Attendance Interval):When the same person repeatedly verifies their identities, only the first entry and exit record is recorded.

6. Language Select: choose the language you need

7. Usage Mode: select the mode supported by the device

8. Volume:manually set the volume of the machine

9. Fast Recognition: The machine enables quick recognition by default. Turning on the quick setting will improve the recognition success rate, but it will reduce the security. Turning off the quick recognition will improve the recognition security, but will reduce the recognition distance.

10. Device Checking: used to check whether the infrared of the device is working normally, the color channel is on the top and the infrared channel is on the bottom.

Ⅵ.Data

1.U-Disk Download

a. Attendance Report: Select the year and month you need to download the report, and then click download. The screenshot of the report is as follows:

b. Shift Table: Click to download the shift table. The screenshot of the shift table is as follows:

(Note: In the following shift table and personnel information table, the editable yellow area needs to be changed to text format, so that the modified content can be uploaded normally.)

In the shift table, the default shift of all employees (registered on the device) is shift 1, and the working time is Monday to Friday.

c. User Info: Click to download the employee information form. The screenshot of the employee information form is as follows:

2. U-Disk Upload: Click to upload the modified shift table and personnel information table.

Ⅶ. Shifts （The system has a default shift 1, you can also manually click the "Add" button in the upper right corner to add a new shift.）

1. Shift Set: according to the working hours of your department or company, set the corresponding shift, each shift has three shifts, such as only playing 2 cards a day, can be set in shift 1, if only 4 The secondary card can be set in shift 1 and shift 2. If the card is played 6 times a day, it can be set in class one two three.

2. Att Rules:

a. Allowed late time: After setting the allowable late time, the set time will not be exceeded, and no lateness will be counted.

b. Allowed early time: After setting the allowed early leave time, if the set time is not exceeded, no early leave will be counted.

3. Across the day: The punch card before the cross-day time is counted as the previous day's card, listed on the 17th at 20 o'clock in the evening, and the 18th at 6 o'clock in the morning. The cross-day time can be set to 7 o'clock, that is, after leaving get off work on the morning of the 18th, as long as the punching time is before 7 o'clock, the system will automatically default to the shift of the 17th, and the punching record will also be displayed on the 17th. If the user's shift is a cross-day shift, the cross-day time must be set first.

4. Shift To Choose: select the shift for employees to work.