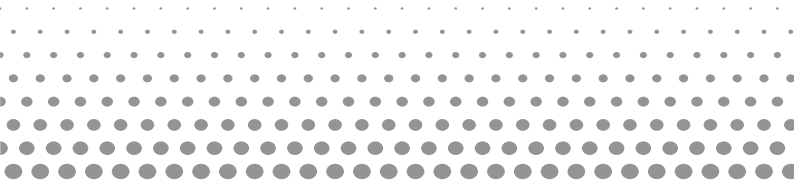
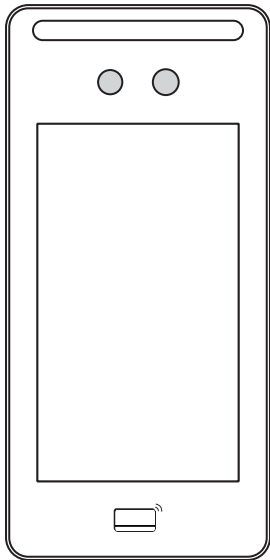


# Dynamic Facial Recognition Access Control User Manual



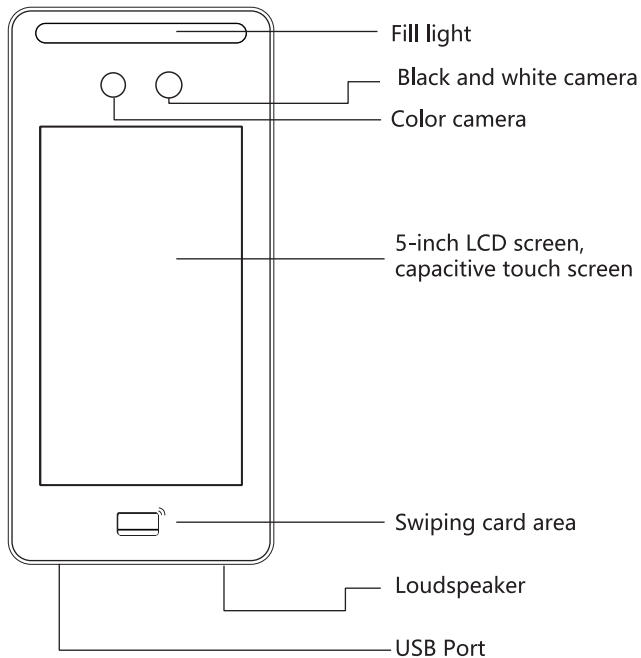
# 1. Introduction

This series' product is a new generation multi-functional face recognition standalone access control, use new AI processor design, and RTOS intelligent operation system, powerful function, stable and reliable, with read mode, standalone mode etc, apply to many different places, be widely used at office, home, villa, bank, prison etc.

## 2. Technical Specifications

OS	RTOS intelligent operation system
Camera	200W pixel HD color camera \200W infrared live camera
Fill Light	LED high light filling lamp (automatic control according to ambient light)
Working Voltage	DC-12V-10%
Power Supply	DC-12V 3-5A
Display Screen	5-inch LCD screen, capacitive touch screen 272*480
Working Temperature	-15°C ~ +45°C (Storage Temperature-10°C ~ +65°C)
Working Humidity	20% ~ 90% (Storage Humidity 20% ~ 90±2%)
Capacity	2000 Face/code/card in total
Users Record	100,000pcs
Keypad	Touch screen virtual keypad
Access Mode	Face/Card/Pin, Face+Pin, Pin+Card(EM)
Recognition Distance	pure dynamic face recognition - 0.5-3m ,open liveness 0.5-1.5m
Intelligent Function	Infrared liveness detection
Door Contact signal	One group signal Input
Door Bell Control	One group signal
Relay Output	Door open signal control one group
Output	WG26/34 out put (could be used as a reader and connected with a controller)
Weight	500g
Size	173*83*22mm

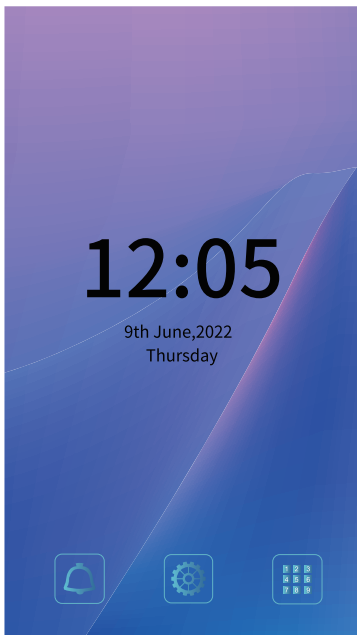
### 3.Product Introduction



## 4.Product Use

### 4.1 Main Interface

Click interface - Menu Key - Input master code (default:999999)to enter main menu,or scan master face to enter



< Administrator Password

Password:

Confirm

Face login

< Open the door password

Passowrd:

Confirm



## MENU



USER



ACCESS



RECORD



ALGORITHM



About device



SYSTEM


## 4.2 User Management

### 4.2.1 Add user


Add user: Click menu user management → creat user → register number,name,-card,password,log face,select permission (administrator or user)

< User management


---

 Creat user >

---

 User list >

---

 Batch import of users >

< Creat user

---

Number

---

Name

---

Card

---

Password

---

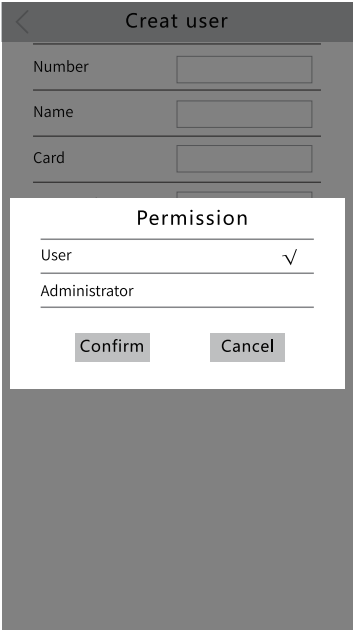
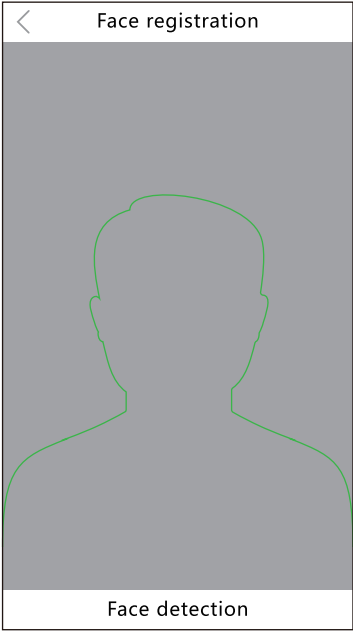
Log face Log >

---

Permission User >

---

**Confirm**








## 4.2.2 User list

Search user: Click Menu User management → user list

Users list		Q Query
14	Steven	
1	Lucy	
10	Aaron	
14	Vivian	
1	Jimmy	
10	Colin	
14	Lee	
1	Lily	
10	Paul	
14	Niki	
1	Grace	

1/12     

Users list		Q Query
14	Steven	
1	Lucy	
10	Aaron	




**Find users**






Please enter power consumption or name to find

Number

Name

**Query** **Cancel**

10	Paul	
14	Niki	
1	Grace	

1/12     

### 4.2.3 Batch import of users

< Batch import of users

Step1:Prepare batch recognition excel file according to the instructions

Step2:Copy the excel file to the root directory of the u disk

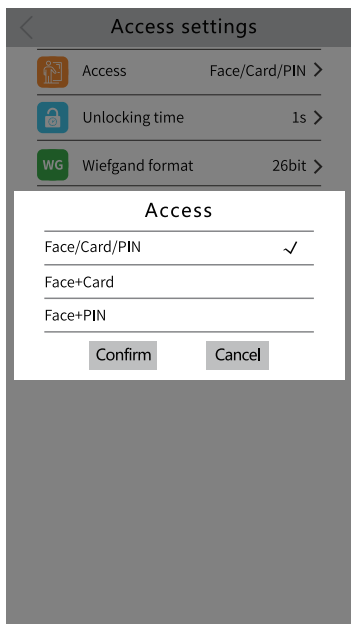
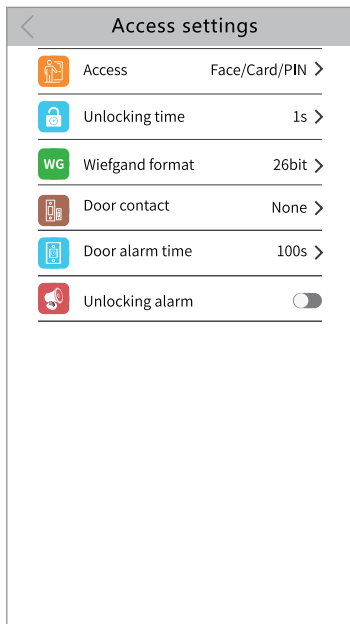
Step3:Click recognition button

Import

## 4.3 Access Settings

### 4.3.1 Access mode

Access: Click menu Access settings → Access → Face/Card/PIN or Face+card or Face+PIN → Confirm



### **4.3.2 Unlocking time**

Click menu Access Settings → Unlocking Time → Select the appropriate time  
→ confirm

### **4.3.3 Wiegand format**

Click the menu Access Settings → Wiegand format → 26bit / 34bit → confirm

### **4.3.4 Door Contact**

Click menu Access Setting → Door Contact → Remain closed/Remain Open/None  
→ Confirm

### **4.3.5 Door Alarm Time**

Click menu Access Setting → Door Alarm Time → Adjust time → Confirm

### **4.3.6 Unlocking Alarm**




Click menu Access Setting → Unlocking Alarm → Turn on/off

## 4.4 Open the door to record












### 4.4.1 View record






View record: click menu open the door to record→View record

< Open the door to record

-  View record >
-  Stored information >
-  Interval time 10 Seconds >

< View record Q Query

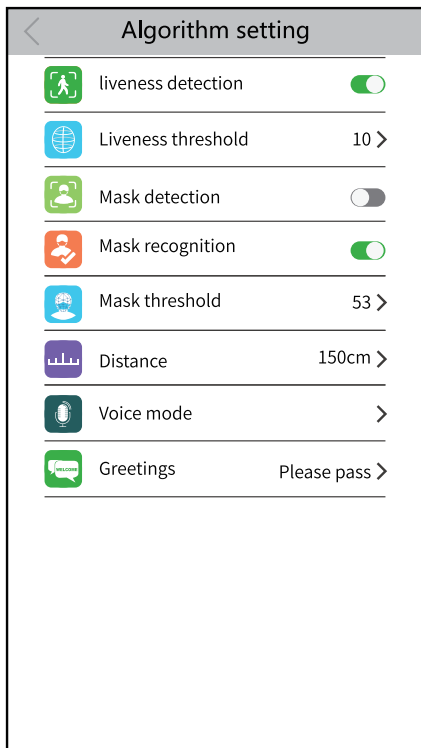
 14	2022/5/11 16:11
 1	2022/5/11 14:58
 10	2022/5/11 14:53
 14	2022/5/10 12:15
 1	2022/5/10 12:00
 10	2022/5/10 12:00
 14	2022/5/10 12:00
 1	2022/5/10 12:00
 10	2022/5/10 12:00
 14	2022/5/10 12:00
 1	2022/5/10 12:00

1/12     

## 4.5 Algorithm setting

### 4.5.1 Liveness detection

Click menu Algorithm setting → Liveness detection → Turn on/off



#### **4.5.2 Liveness threshold**

Click menu Algorithm setting→Liveness threshold→ adjust number→Confirm

#### **4.5.3 Mask detection**

Click menu Algorithm setting→ Mask detection→ Turn on/off

#### **4.5.4 Mask recognition**

Click menu Algorithm setting→ Mask recognition→ Turn on/off

#### **4.5.5 Mask threshold**

Click menu Algorithm setting→ Mask threshold→adjust number→ Confirm

#### **4.5.6 Distance**

Click menu Algorithm setting→ distance→adjust number→ Confirm

#### **4.5.7 Voice mode**

Click menu Algorithm setting→ Voice Mode→Broadcast time,Broadcast greeting  
→ Confirm

#### **4.5.8 Greetings**

Click menu Algorithm setting→ Voice Mode→Please pass, welcome→ Confirm

### **4.6 Related to device**

#### **4.6.1 System version V2.1.9**

#### **4.6.2 Algorithm Version 2020/11/12**

#### **4.6.3 System Upgrade**

#### **4.6.4 Factory reset**

#### **4.6.5 System Maintenance**

#### **4.6.6 Factory Test**


## 4.7 System settings

### 4.7.1 Admin password


Reset password: click menu → system → admin password → reset password

< System settings


---

 Admin password >


---

 Language English >


---

 Time zone Beijing >


---

 Time settings >



---

 Volume settings 10 >

---

 Brightness settings 5 >

---

 Fill light settings  >

< Reset password

---

Old password

---

New password

---

Confirm

---





## 4.7.2 Language

Click menu → Language → Chinese / English

## 4.7.3 Time zone

Click menu → system → time zone →select the time zone → confirm

< Time zone setting

---

Beijing ✓

---

Tokyo

---

New york

---

London

---

Paris


---

Berlin

---

#### 4.7.4 Time settings

Click the menu → system → Time Settings → Select time → confirm

 Time settings

Automatic

---

Manual 2022/05/11/16:14:04

---

Year  Mon  day  :  :

**Confirm**

#### 4.7.5 Volume setting

Click the menu → system → volume settings → turn up or down → confirm

#### 4.7.6 Brightness settings

Click the menu → system → Brightness settings → turn up or down → confirm

#### 4.7.7 Fill light settings

Click the menu → system → brightness setting → turn on / turn off

## 5 Installation

- 1) The device is installed indoor or outdoor. Please avoid direct sunlight and rain, and avoid infrared and strong light on the camera.
- 2) The wiring of power cables and access control cables should be as short as possible to avoid interference.
- 3) According to the application scenario to confirm the installation height, keep the face recognition distance in 30-150 cm.
- 4) Register face should avoid strong light or dark environment to keep the face clearly.

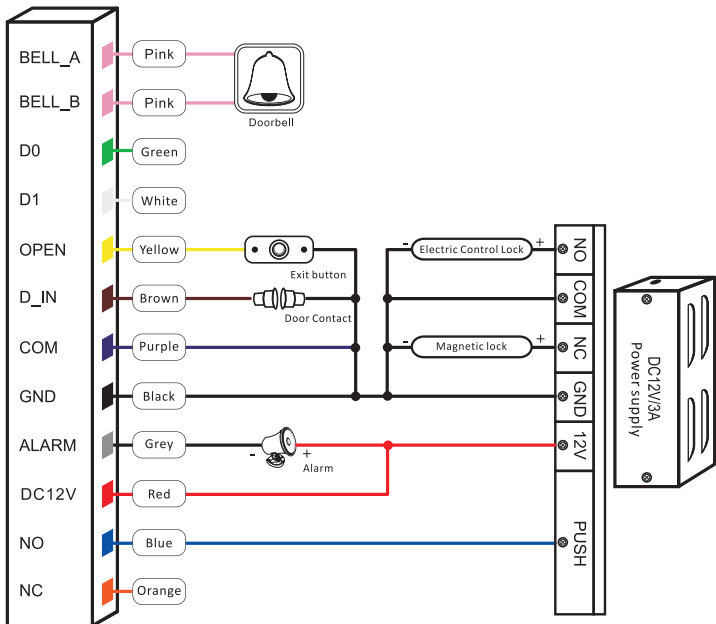
## 6. Access control wiring diagram

Item	mark	color	function
1	BELL_A	Pink	Door bell one end
2	BELL_B	Pink	Door bell on the other hand
3	D0	Green	Wiegand output D0
4	D1	White	Wiegand output D1
5	ALARM	Gray	Negative alarm (positive alarm connect +12V)
6	OPEN	Yellow	Exit button one end (on the other end connects GND)
7	D_IN	Brown	Door contact switch one end (on the other end connects GND)
8	DC12V	Red	Positive power supply

9	GND	Black	Negative power supply
10	NO	Blue	Relay NO end
11	COM	Purple	Relay COM end
12	NC	Orange	Relay NC end

## 7 Diagram

### Special power supply



## 8. Packing list

Name	Model/size	Quantity	Remarks
Face recognition access control		1	
User manual		1	
Self tapping screws	Φ4mm×25 mm	2	Used in fixing
Rubber plug	Φ6mm×28 mm	2	Used in fixing
Star screw driver	Φ20mm×60mm	1	Special for this device
Star screw	Φ3mm×5mm	1	Used in fixing front and back cover

### Warm Tips

- \* Please don't maintain the device privately, any issues please turn back to factory.
- \* To avoid unnecessary trouble, please check concealed wires or line pipes carefully if need to drill a hole before installation, moreover, please wear security glasses when drilling a hole or fixing wires.
- \*If upgrade, manual may changed a little.