Dynamic Face Machine

User Manual
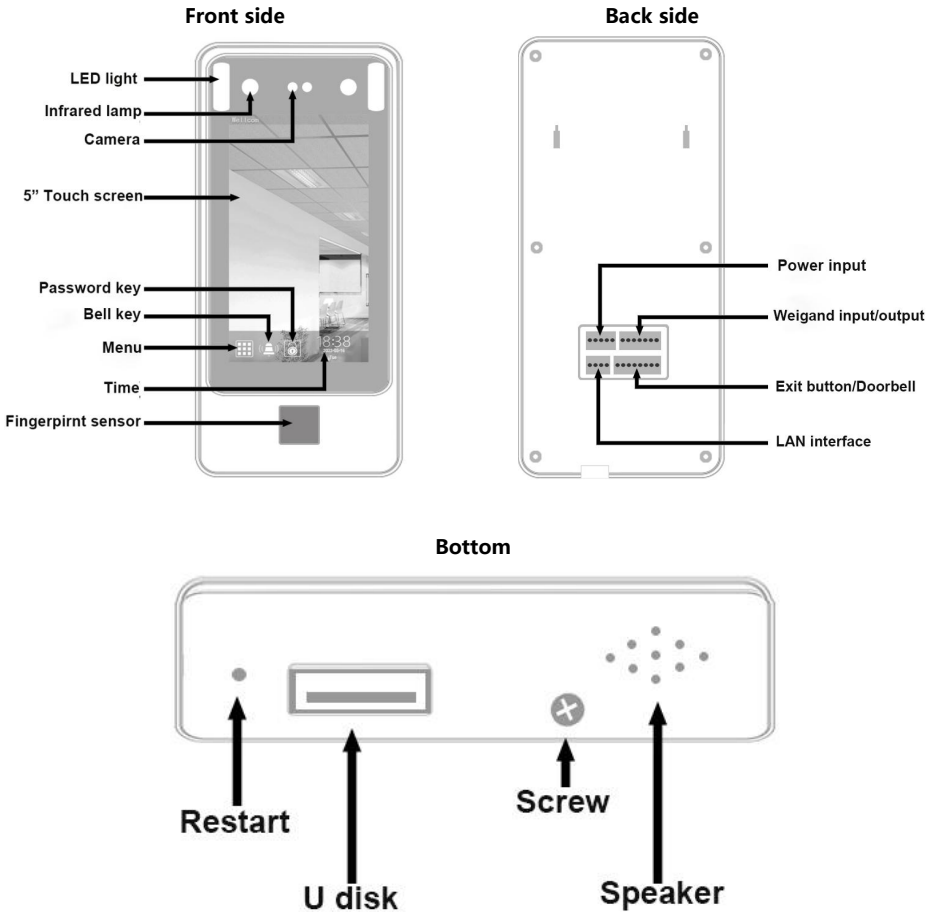
Catalog

Wiring diagram
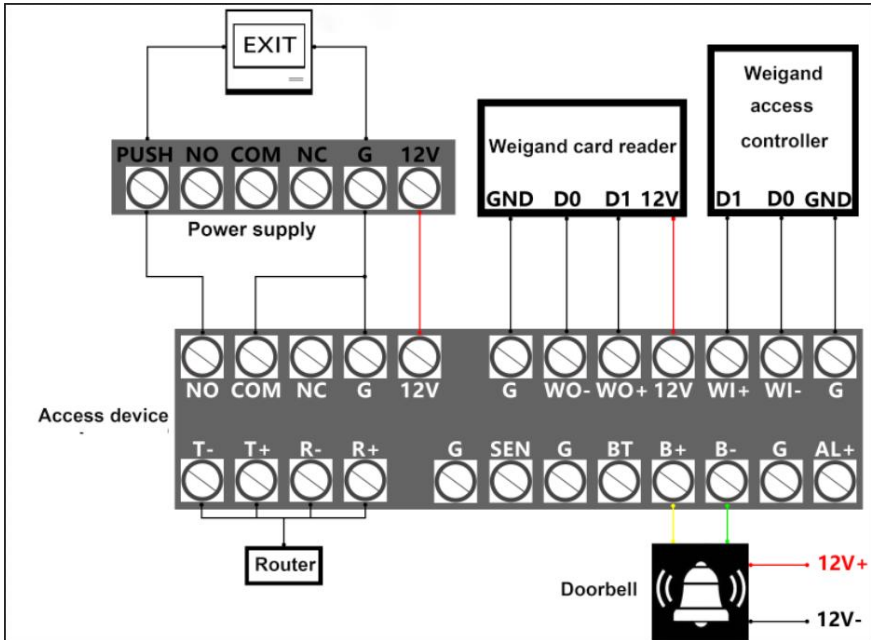
Note:When the device is connected to the access controller, please power on the device independently

Product description

Front side

- LED light
- Infrared lamp
- Camera
- 5" Touch screen
- Password key
- Bell key
- Menu
- Time
- Fingerpirnt sensor

Back side

- Power input
- Weigand input/output
- Exit button/Doorbell
- LAN interface

Bottom

Restart

U disk

Screw

Speaker

Doorbell：This function can only be used when connected to a wired doorbell.

Restart：Use a paper clip to poke in the hole can restart the device.

Access and attendance software : Used to manage employee attendance and access control data

1）Install the software on PC(Please close the antivirus software and firewall before install software)；

2）The device and the PC which installed the software must in the same LAN(same router)

3）When connect device and software, the port NO. must same

Note

1、 Working temperature

　　The working temperature of the device is 0-45℃.

2、 Light influence

　　This terminal can be installed indoor and outdoor. But direct sunlight ,strong light , backlight and side light will affect machine recognition. When the device is in a black environment, the facial light intensity at a distance of 0.5 meters from the device is about 100 Lux-300 Lux. The closer user to the terminal, the higher intensity of the face light. If the facial exposure is too high, the user's facial feature points cannot be extracted, and recognition is difficult.

3、 Installation

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

2)　Power off the machine when install；

3)　Use outdoor, please install a sunshade and take waterproof and direct sunlight protection for the device;

4)　Please use 12V3A or 12V5A professional access control power supply to power on the machine；

5)　When register face in the machine, please operate in an environment with sufficient lighting and no light sources or direct sunlight；

6)　If you use other camera tools to take pictures for the software, please select a better quality photos;

7)　It is recommended that the height of the camera from the ground is 130cm, and the installation height can be adjusted according to the on-site situation and the actual user's height.
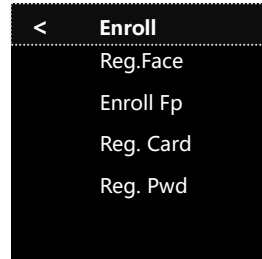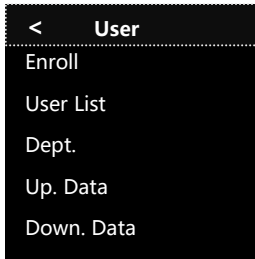
8)　Please use an empty FAT32 formatted 8G or 16G U disk

Installation Step

1)　Fixed the position: According to the metal plate behind the machine or the position paper to find out the screw hole.

2)　Make hole: Use tool and follow the position to drill a suitable screw hole.

3)　Hung the metal plate: Put the metal plate into the right place, then put the screws into the hole and tightly fixed it.

4)　Hang the machine: Hang the device on the metal plate directly and tighten the screws on the machine.(Distance from machine and the floor about 1.4 meters).
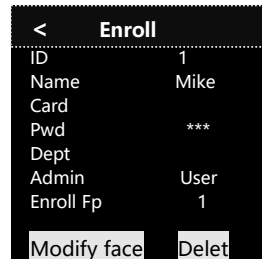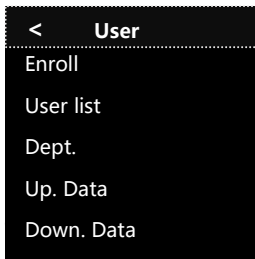
Menu

1. User

1) Register User

< User	< Enroll	< Enroll
Enroll		Reg.Face
User List	ID 2	Enroll Fp
Dept.	Name Mike	Reg. Card
Up. Data	Enroll	Reg. Pwd
Down. Data		

Enter the menu ➔【User】➔【Enroll】➔ Input name ➔ Click "Enroll" ➔ Choose enroll way

According to the voice prompt to operate

2) User list (Set administrator in this step)

< User	< User list find	< Enroll
Enroll	Pic User info Item	ID 1
User list	1	Name Mike
Dept.	Jack	Card
Up. Data	2	Pwd ***
Down. Data	Mike	Dept
		Admin User
		Enroll Fp 1
	< 1/1 >	Modify face Delet

Enter menu ➔【User】➔【User list】➔ Choose the user ➔ Edit ➔Click on the icon in the upper left

corner to return   ➔Click save

ID: User The unique identification number of the user in the device

Name: When verify success machine will show the users' name

Card: RFID user's card number when swift card to verify (Optional function)

Password: Can set 1-8 digit password to verify, press the password key in standby mode ➔ Input

    ID➔ Input password ➔ "Confirm"

Dept: The users department

Admin: Means users privilege, can set administrator to control the machine

(Note: After set administrator, enter menu need administrator verify success then can enter, so

user must register face, finger or password

Enroll Fp: Can view the fingerprint the user registered, can add new fingerprint, each user can verify

    5 fingerprints

Modify face: Modify the registered face

Delete：Delete the user in the machine

3)Dept.: Edit and admin department

Enter menu ➔【User】➔【Dept.】➔ Edit the department ➔ Click on the icon in the upper left corner to return, the department will be saved automatically(Can set 14 departments).
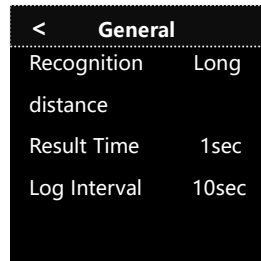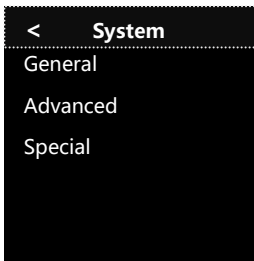
4)Up Data: Upload the User information

Insert U disk ➔ Enter menu ➔【User】➔【Up. Data】➔ Show "success"

5)Down Data: Backup user information

Insert U disk ➔ Enter menu ➔【User】➔【Down Data】➔ Show "success"

2. System
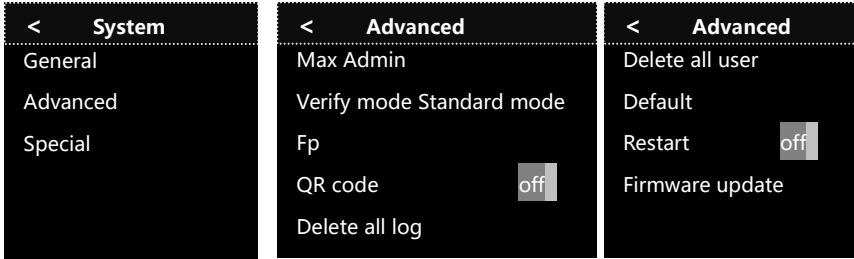
1)General

< System	< General	< General
General	Time	Recognition Long
Advanced	Timezone Asia/Shanghai	distance
Special	Language English	Result Time 1sec
	Volume 8	Log Interval 10sec
	LCD bright 6	

Enter menu ➔【System】➔【General】➔ Click on the icon in the upper left corner to return

a. Time：Set device time.【Auto setting】if choose on the device can automatic calibration time (This function need link with network)

Choose off can adjust time manually, after finish setting, choose OK

b. Timezone：Set the timezone for the devise

c. Language：Set the language shows in the menu and the prompt voice

d. Volume: Max. Is 10, we suggest set 8

e. LCD bright: Max. Is 10, we suggest set 8

f. Recognition distance：The device captures and recognizes the distance of the face, can set short,middle and long, we suggest to set long.

g. Result Time: The duration of the prompt on the screen after verify success, Max. is 60 second.

h . Log Interval: The time for the same user to repeatedly verify successful records and only store one valid record, the Max. Is 65535 second.(For example:Set 10 means the same user verify successful in 10 seconds, only store i records.
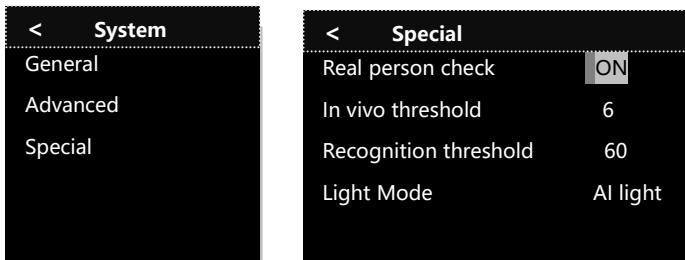
2) Advanced

< System	< Advanced	< Advanced
General	Max Admin	Delete all user
Advanced	Verify mode Standard mode	Default
Special	Fp	Restart off
	QR code off	Firmware update
	Delete all log	

Enter menu ➔ 【System】➔ 【Advanced】➔ To operate

a. Max Admin：Set the administrator(If set 5, then the Max. administrate is 5)

b. Verify mode: One user can use two ways to verify at one time when access(Face+Pwd, card+face, Fp+Face), standard mode is one way to verify

c. Fp：Means fingerprint, can check if the fingerprint image clear or not, and calibration the fingerprint scanner(please clean the scanner before calibration)

d. QR code: After verify successful, there will be an QR code the device for each user, save the QR code image in your phone and show it to machine when check in or access, machine will identify.

e. Delete all log: Delete all the log in the device, once delete can not restore

f. Delete all user: Delete all user in the device, one delete can not restore

g. Default : Can restore system, attendance rule, access setting, alarm setting, communication setting. （Please operate with caution）

h. Restart: if choose on, can set the restart time.

i. Firmware update: Put the firmware in the U disk, and insert it to device （U disk need 8G or 16G FAT32 format, and please use right firmware)
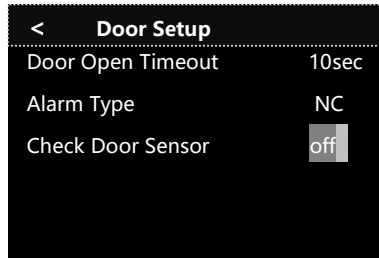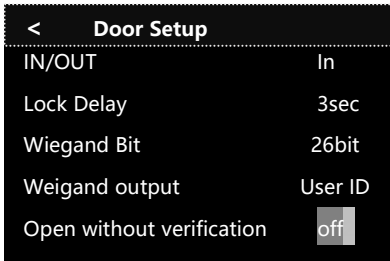
3) Special

< System	< Special
General	Real person check ON
Advanced	In vivo threshold 6
Special	Recognition threshold 60
	Light Mode AI light

Enter menu ➔ 【System】➔ 【Special】

a. Real person check：If choose ON, picture and video can not verify; choose OFF all can verify.

b. In vivo threshold: The default value is 6, the value is larger the verify time is longer. （Please

operate with caution)

c. Recognition threshold：The default value is 60, higher values will take longer time to verify and
reduce recognition efficiency (Please operate with caution)

d. Light Mode：The default mode is AI light(Means machine will automatically fill in light according to
different environments). Turn off(turn off the light, it will not fill in light in any environment) .
Always(The light will always on, ss soon as the machine is turned on, the light will be on)

3. Door Setup

< **Door Setup**	
IN/OUT	In
Lock Delay	3sec
Wiegand Bit	26bit
Weigand output	User ID
Open without verification	off

< **Door Setup**	
Door Open Timeout	10sec
Alarm Type	NC
Check Door Sensor	off

Enter menu ➔ 【Door Setup】

1)．IN/OUT：The place the machine installed.

2)．Lock Delay：After verify success, the interval time from the delay unlock to lock

3)．Weigand Bit: Weigand output format. (Default setting is Wiegand 26bit)

4)．Weigand output：Set the Wiegand output is user's ID or card number.

5)．Open without verification： If choose ON, user no need register can open the door, means
everyone can open the door. (Please operate with caution)

6)．Door Open Timeout：Set the lock delay time, this function will work when the Alarm Type set NC
or NO.

7)．Alarm Type: NC, NO and NG

① Set NC,the door is normal close door, when user verify success on machine , the door was open,
but don't closed at the setting time, the door sensor will alarm.

② Set NO, the door is normal open door, but the door was closed and no user to open the door in
setting time, the door sensor will alarm

③ Set NG, means don't use this function

8)．Check Door Sensor：To open or closed the door sensor to alarm

① Choose ON, when the door sensor can not response the door open or closed , it will alarm.
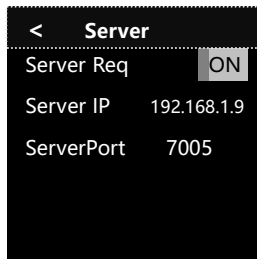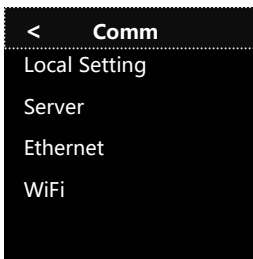
② Choose off, the door sensor will not work.

4. COMM

1)．Local Setting

< Comm	< Local Setting
Local Setting	Device No 1
Server	Port No 5005
Ethernet	Show IP Add. ON
WiFi	
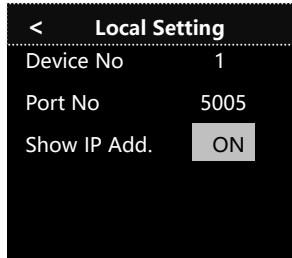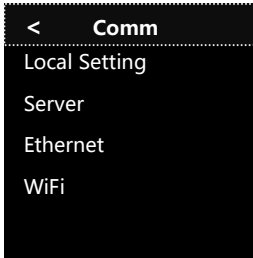
Enter menu ➜【Comm】➜【Local Setting】

a. Device No：Set device number, if in same LAN there are many machines set device number , user can distinguish the device.（When use U disk to upload or download, the device ID must be same）

b. Port NO：When user want to link the device with software in PC with network, the port NO. In machine and software must same, default is 5005.

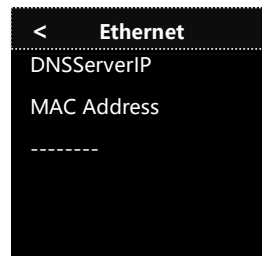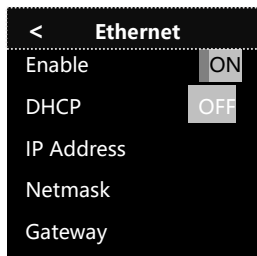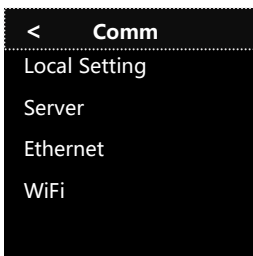**c.** Show IP Add.：ON means show IP address, OFF means don't show

2)．Server

< Comm	< Server
Local Setting	Server Req ON
Server	Server IP 192.168.1.9
Ethernet	ServerPort 7005
WiFi	

Enter menu ➜【Comm】➜【Server】

a. Server Req：Set ON mean open data transfer, Set OFF means close data transfer

b. Server IP：Administrate the device IP address in PC

c. ServerPort：Default setting is 7005
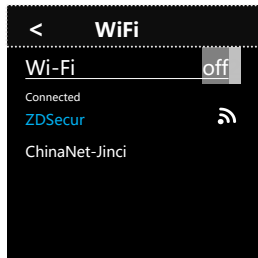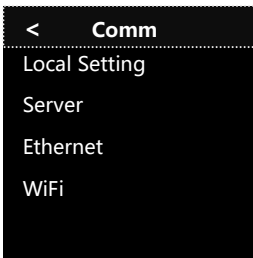
3)．Ethernet

< Comm	< Ethernet	< Ethernet
Local Setting	Enable ON	DNSServerIP
Server	DHCP OFF	MAC Address
Ethernet	IP Address	--------
WiFi	Netmask	
	Gateway	

Enter menu ➔【Comm】➔【Ethernet】

a. Enable: ON means use local network, OFF means closed local network.

b. DHCP：Yes means DHCP is open, No means set manually.

c. IP Address：This IP Address need to be unique and effective in users local network. When user link machine with software need to input this IP address in the software. If DHCP is yes, the device will according to the local network environment to automatically get IP address, user also can set manually.

d. Netmask & Gateway: If DHCP is open, the device will according to the network environment to automatically get,　user also can set manually.

e. DNS Server IP：When set the DNS Sever IP ,the device can synchronize the time with the DNS Sever once each hour.(If you want to set this function, please make sure the time zone is right, such as the device is used in China, then the time zone must be set GMT+8)

**f.** MAC address：Each machine have default MAC address, we don't advice user change

4)．WIFI

< **Comm**	< **WiFi**	< **WiFi**
Local Setting	Wi-Fi　　　off	ZDSecur
Server	Connected	Discounnect____√__
Ethernet	ZDSecur　　⎙	Delete_____
WiFi	ChinaNet-Jinci	IP Address_____
		OK　Cancel

Enter menu ➔【Comm】➔【WiFi】➔ Choose WIFI ➔ Input WIFI password ➔ OK

Enter【WiFi】, click the one have connected , user can check and set IP address, cut down the WIFI or delete the WIFI.

5. Schedule: Attendance rule

< **Schedule**	
Log Warning	1000
Log photo	
Late	0min
Early Leave	0min
Log Info	
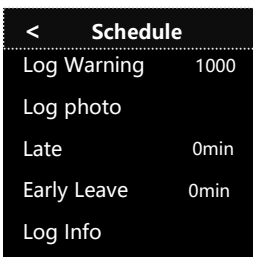
Enter menu ➔【Schedule】➔ To check and set attendance rule

1. Log Warning: To set the log warning value of memory space, Initial setting is 1000,when memory space left 1000 records, the Machine will give signal to machine to alarm.

2. Log photo：Open or closed use picture to take attendance record.

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3. Late：The allowed late time, exceeding the set time will be considered late

4. Early leave：The allowed early leave time, exceeding the set time will be considered early leave.

5. Log Info：Check the attendance record.

6. Report

<	Report
Company	
Dwnld Shift	
Upld Shift	
Dwnld Reprot	
Dwnld File	

Enter Menu ➜【Report】
1. Company：Here can set company name.
2. Dwnld Shift：Export the shift to U disk, can edit user name and shift.
3. Upld Shift : Upload shift to machine through U disk.
4. Dwnld Report: Download report for the whole month to U disk.
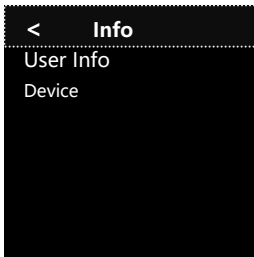**5.** Dwnld File: Download all the original attendance log to U disk.

7. Bell

<	Bell	
1	12：00	5 sec
2	00：00	You disabled
3	00：00	You disable
4	00：00	You disable
5	00：00	You disable
6	00：00	You disable
7	00：00	You disable

Enter menu ➜【Bell】➜ to set door bell and bell time
User can set bell 8 times 1 day, if set 0 second means closed the bell function.

8.Info

<	Info
User Info	
Device	

Enter menu ➜【Info】
1. User Info：Can view the total capacity and used quantity of each device data.
2. Device：Can check device firmware version and all the factory Information.