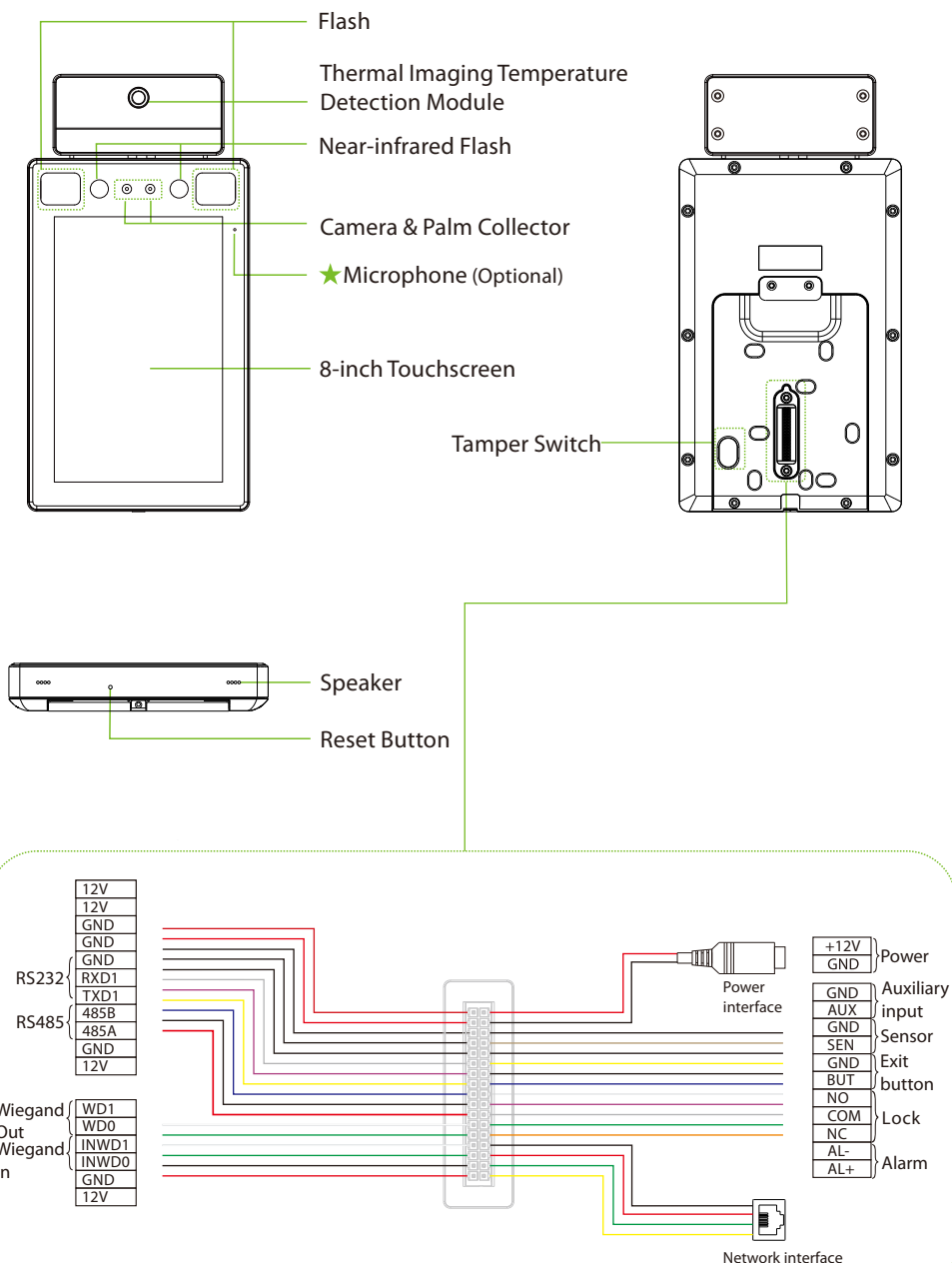


Quick Start Guide

SF1008-T+

Version: 1.0

1 Overview



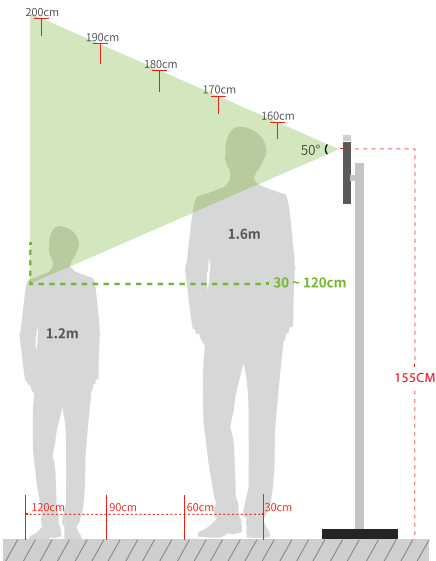
2 Installation Requirements

The installation requirements and indicators associated with the temperature measurement is given below:

Specification	Standard value	Remark
Operating Environment	Indoor, No wind, No direct light, 16°C to 35°C(60.8°F to 95°F)	The recommended operating temperature is 25°C(77°F)
Distance (between face and device)	30 to 120cm (0.98ft to 3.94ft)	The recommended distance is 80cm (2.62ft)
Measurement Accuracy	±0.3°C(±0.54°F)	This Value is tested in a distance of 80cm or 2.63ft under 25°C or 77°F environment.

Notes: The temperature measurement data is for reference only, and not for any medical purpose.

Forehead Temperature Detection



Indoor constant Temperature Environment

- Installation height: 1.55m
- FOV (field of view) of the thermal imaging device:50°
- Temperature measurement distance: 0.3m to 1.2m
- Height of the face adapted for detection: 1.2m to 2m

Installation Environment:



INDOOR USE



KEEP DISTANCE



AVOID GLASS REFRACTION



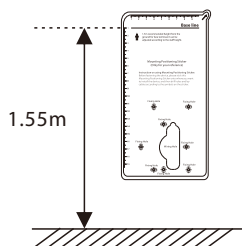
AVOID DIRECT SUNLIGHT AND EXPOSURE

3 Device Installation

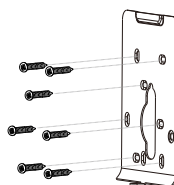
❖ Install on the wall

- ① Attach the mounting template sticker to the wall, and drill holes according to the mounting paper.
- ② Fix the back plate on the wall using wall mounting screws.
- ③ Attach the device to the back plate.
- ④ Fasten the device to the back plate with a security screw.

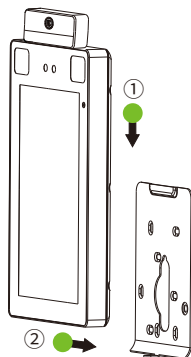
1



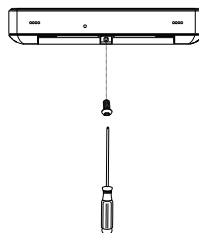
2



3



4



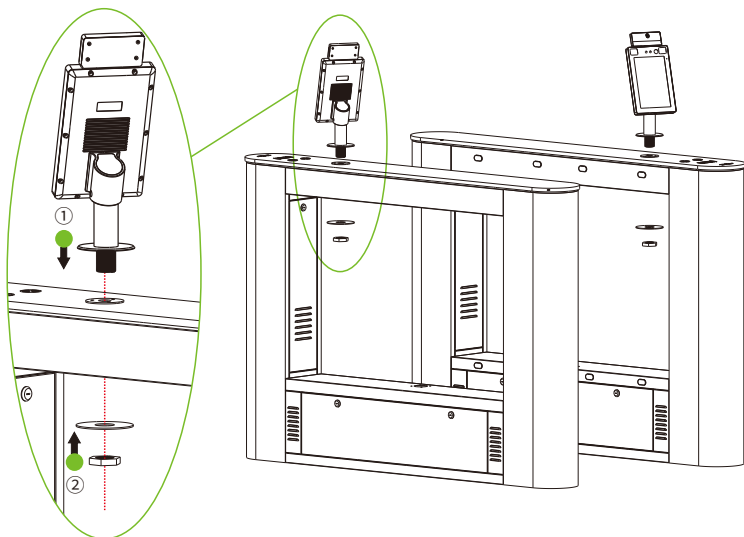
3 Device Installation

❖ Install on the barrier gate

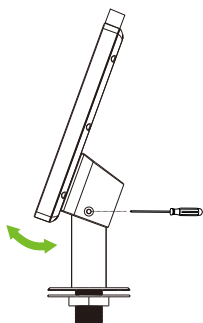
Please thread the wire through the bracket before installation.

- ① Drill a hole on the barrier gate, insert the bracket into the hole and fix it with a nut.
- ② Adjust the angle of the device.

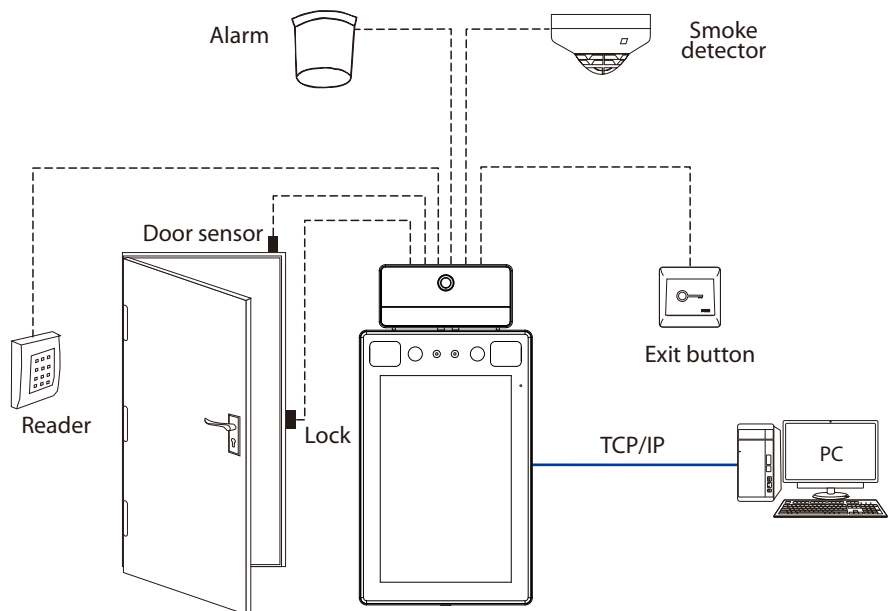
1



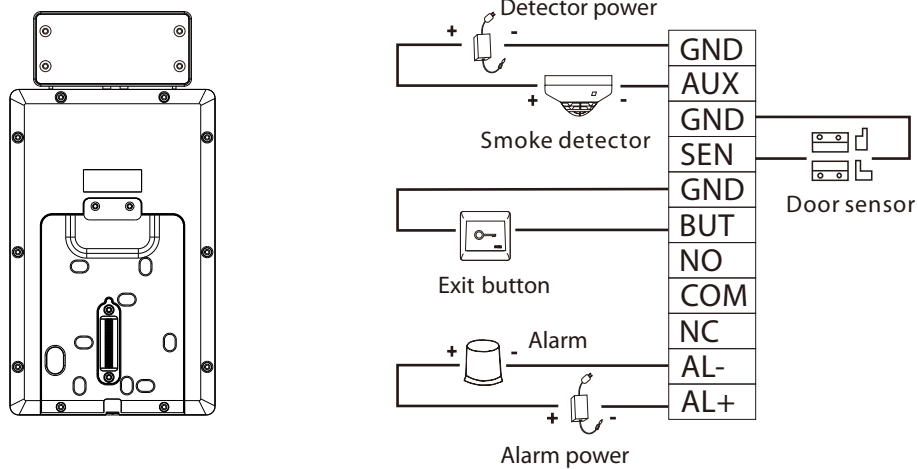
2



4 Standalone Installation



5 Door Sensor, Exit Button & Alarm Connection



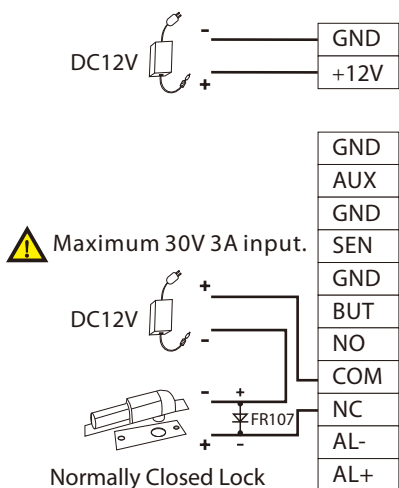
6 Lock Relay Connection

The system supports Normally Opened Lock and Normally Closed Lock.

The NO LOCK (normally unlocked when power-on) is connected with 'NO' and 'COM' terminals, and the NC LOCK (normally locked when power-on) is connected with 'NC' and 'COM' terminals.

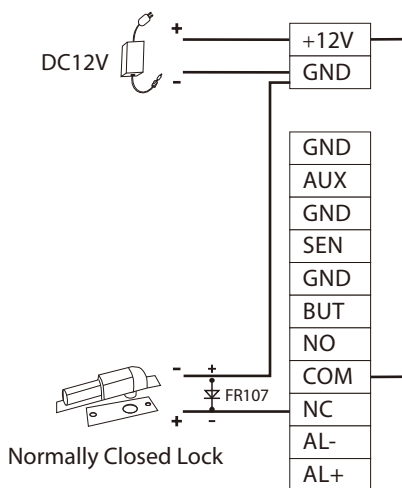
Take NC Lock as an example below:

1) Device not sharing power with the lock

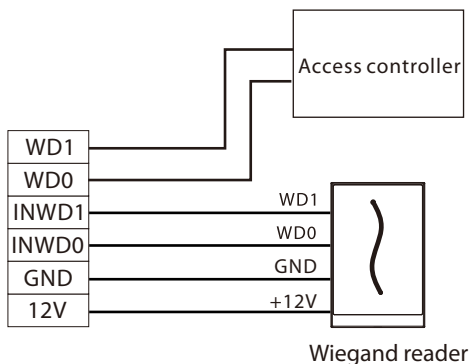
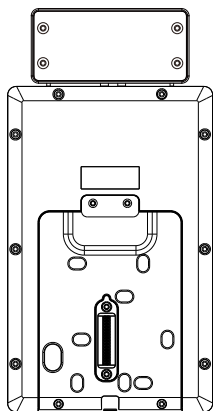


Do not reverse the polarity.

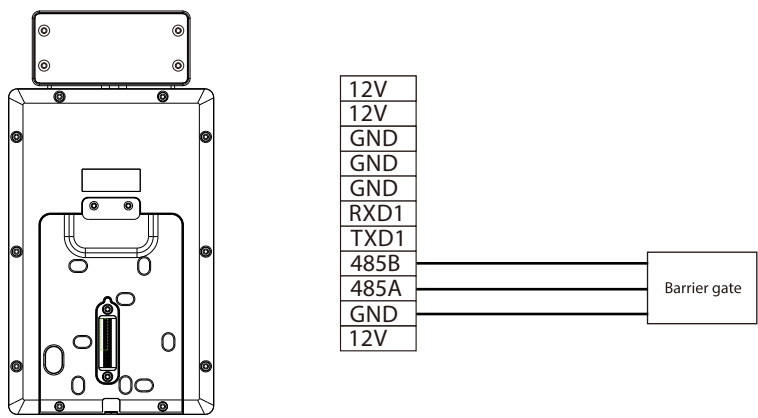
2) Device sharing power with the lock



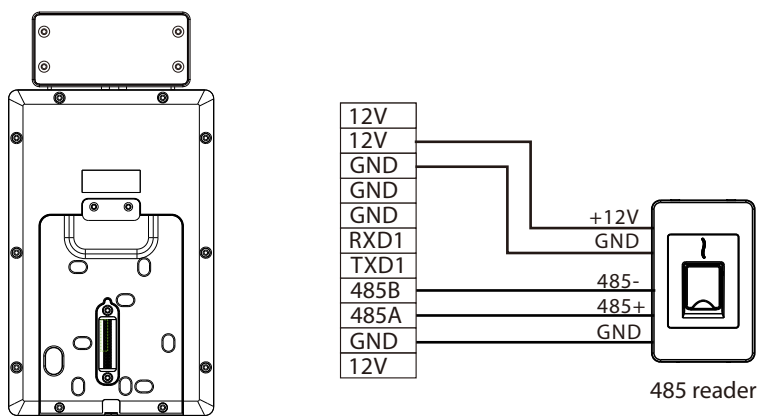
7 Wiegand Reader Connection



8 Barrier Connection

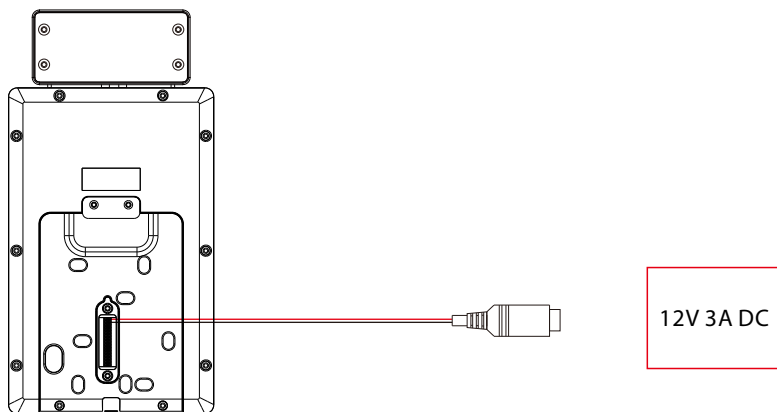


9 RS485 Connection



Note: 485A and 485B can be connected to the barrier gate or the 485 reader, but cannot be connected to the gate and the reader at the same time.

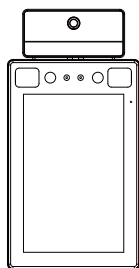
10 Power Connection



- Recommended power supply: 12V - 3A
- To share the power with other devices, use a power supply with higher current ratings.

11 Ethernet Connection

Connect the device and computer software over an Ethernet cable. An example is shown below:



Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0



IP address: 192.168.1.130
Subnet mask: 255.255.255.0

Note: In LAN, IP addresses of the server (PC) and the device must be in the same network segment when connecting to ZKBioSecurity MTD software.

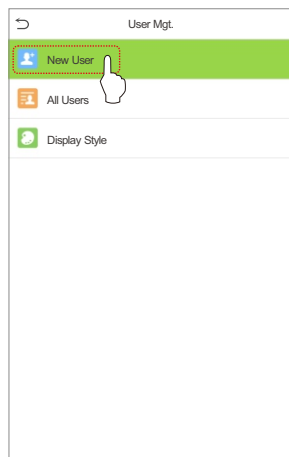
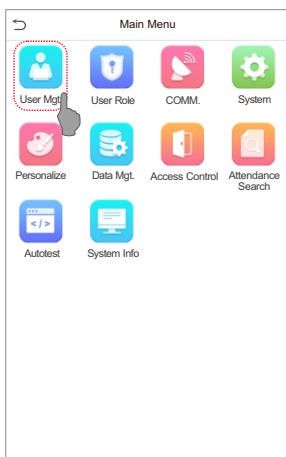
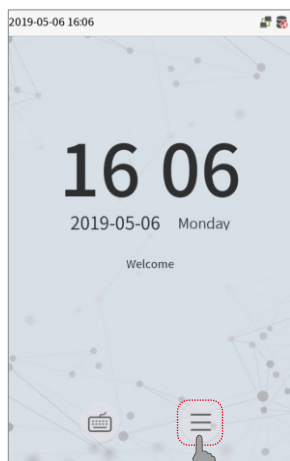
Click on [Comm.] > [Ethernet] > [IP Address], input the IP address and click on [OK].

12 User Registration

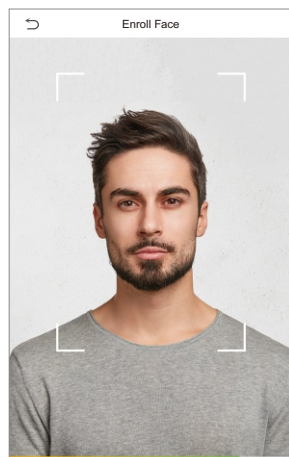
When there is no super administrator set in the device, click on ☰ to enter the menu. After setting the super administrator, the system will request for the administrator's verification before entering the menu. For the security purpose, it is recommended to register a super administrator at the first time you use the device.

Method1: Register on the device

Click on ☰ > [User Mgt.] > [New User] to register a new user. Settings include entering user ID and name, registering palm, face, password and user photo, setting user role and access control role.



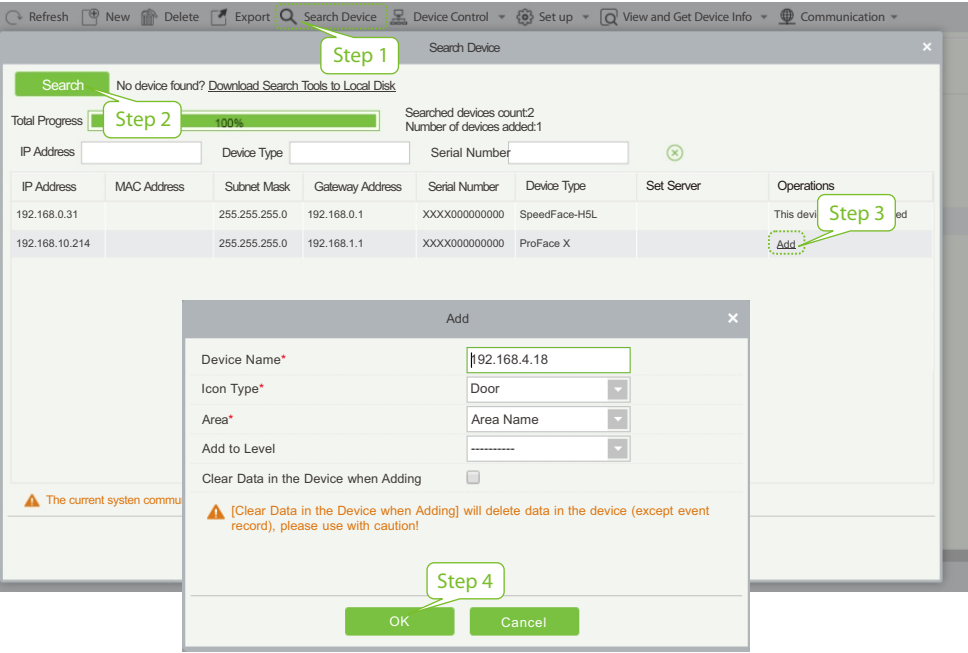
New User	
User ID	3
Name	
User Role	Normal User
Palm	0
Face	0
Password	*****
User Photo	0
Access Control Role	



Method 2: Register on ZKBioSecurity MTD software

Please set the IP address and cloud service server address on the device.

1. Click [Access] > [Access Device] > [Device] > [Search Device] to add the device to the software.
When the device has set the server address and port, it can be added automatically.



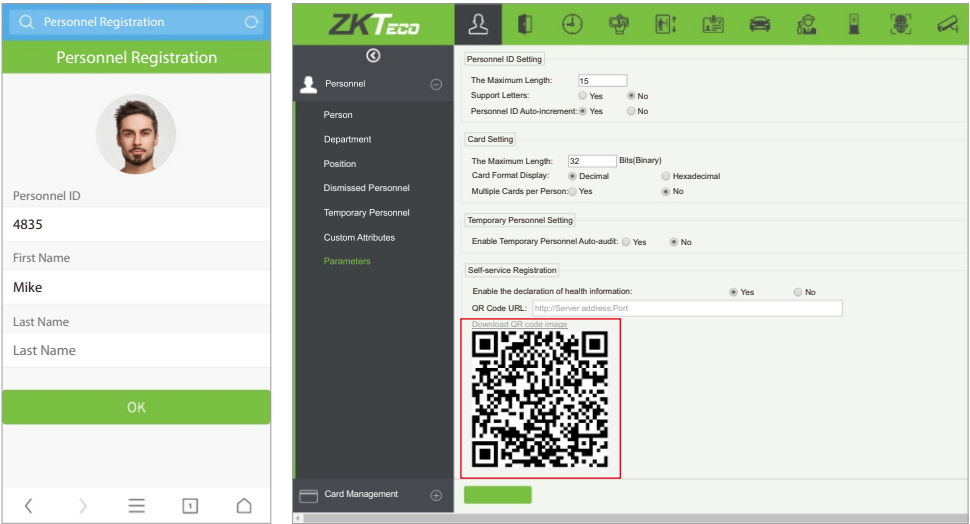
2. Click [Personnel] > [Person] > [New] to register users in the software.
3. Add users to access levels.
4. Click [Access] > [Device] > [Device Control] > [Synchronize All Data to Devices].

For more details, please refer to the ZKBioSecurity MTD User Manual.

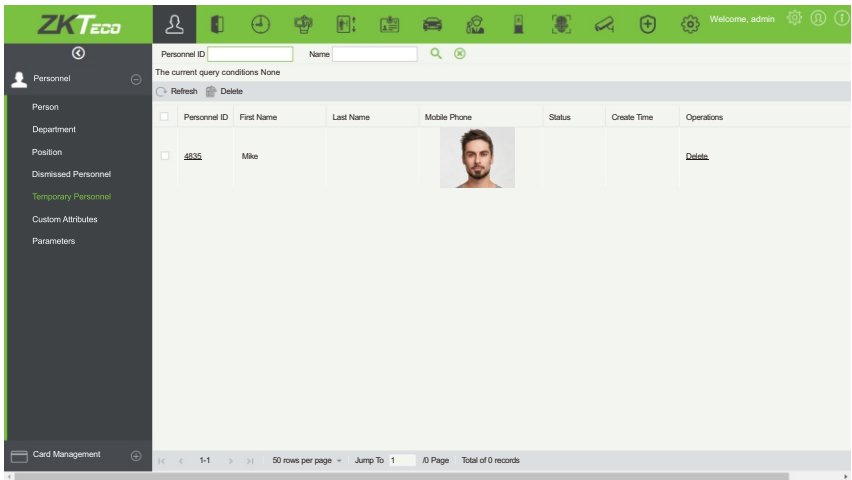
Method 3: Register on the phone

Once ZKBioSecurity MTD software installed, users could enroll face via browser application on their own mobile phone.





1. Click [Personnel] > [Parameters], input “http://Server address:Port” in the QR Code UGL bar. The software will automatically generates a QR code. Scan the QR code or login onto “http://Server address:Port/app/v1/adreg” by the mobile phone to register users.

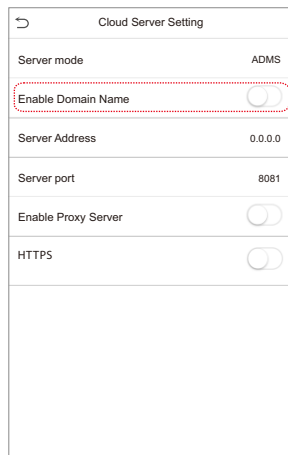
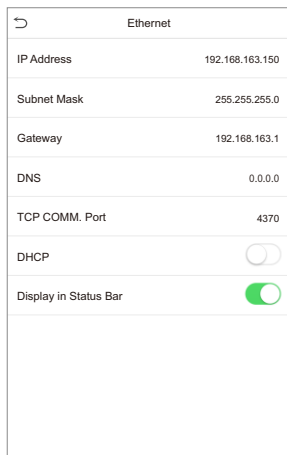
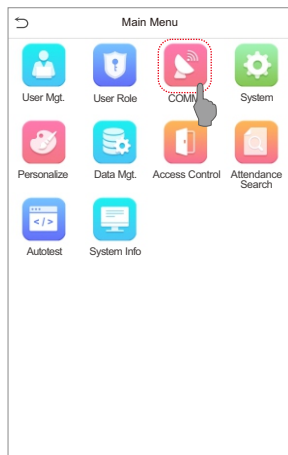


2. The users will display in [Personnel] > [Temporary Personnel], click [Review].



13 Ethernet and Cloud Server Settings

Click on  > **[Comm.]** > **[Ethernet]** to set the network parameters. If the TCP/IP communication of the device is successful, the icon  will be displayed in the upper right corner of the standby interface. Click on  > **[Comm.]** > **[Cloud Server Setting]** to set the server address and server port, that is, the IP address and port number of the server after the software is installed. If the device communicates with the server successfully, the icon  will be displayed in the upper right corner of the standby interface.



Note:

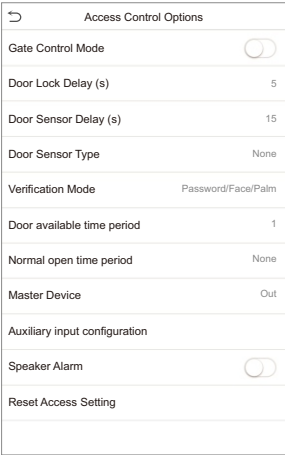
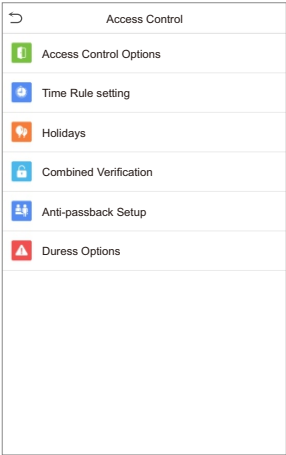
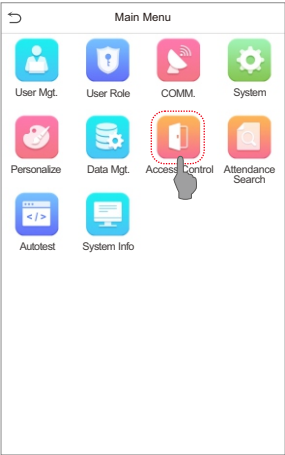
When using ZKBioSecurity MTD software. Make sure that the option **Enable Domain Name** is disabled and input correct server address and port.

Server address: Set as the IP address of ZKBioSecurity MTD server.

Server port: Set as the service port of ZKBioSecurity MTD (The default is 8088).

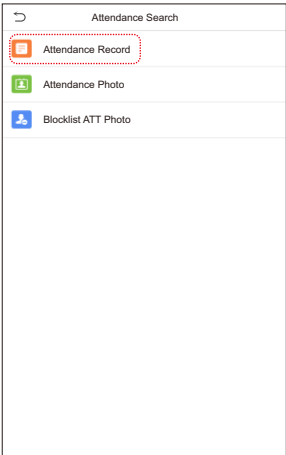
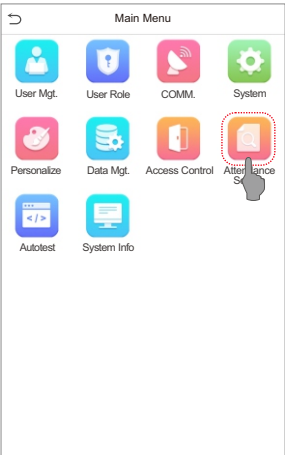
14 Access Control Settings

Click on  > **[Access Control]** to enter the access control management interface and set relevant parameters of access control.



15 Records Query

Click on > [Attendance Search] > [Attendance Record] to enter the records query interface, input the user ID and select the time range, the corresponding attendance logs will be displayed.

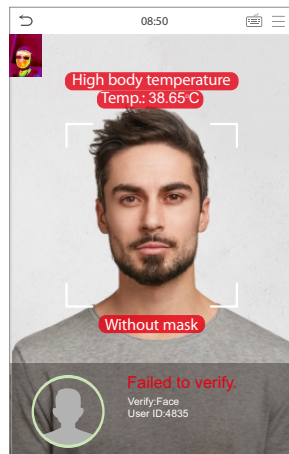
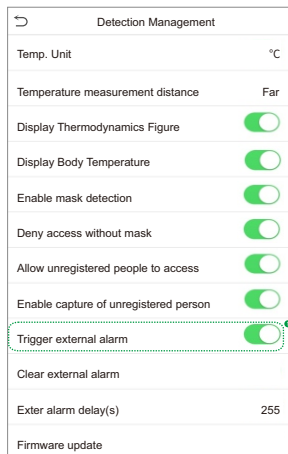
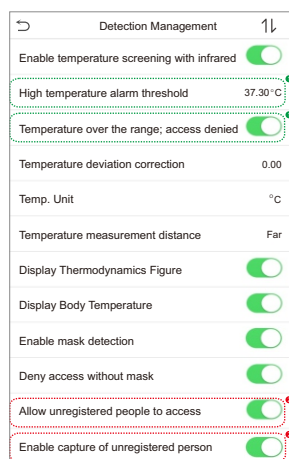
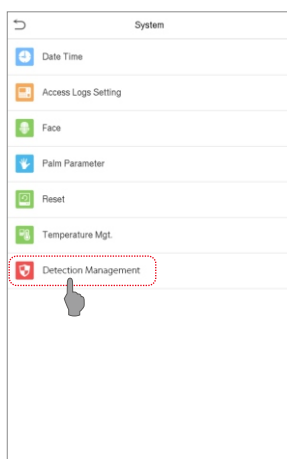
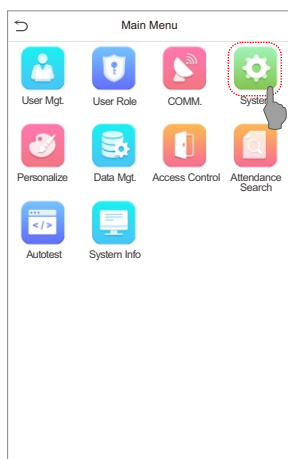


Personal Record Search		
Date	User ID	Access records
03-03		Number of Records:04
	4	11:25
	2	11:25 11:22
	3	11:25
03-04		Number of Records:04
	1	11:29
	3	11:29 11:21
	2	11:28
03-05		Number of Records:04
	1	11:27
	4	11:27
	3	11:27
	2	11:27

16 Detection Management Settings

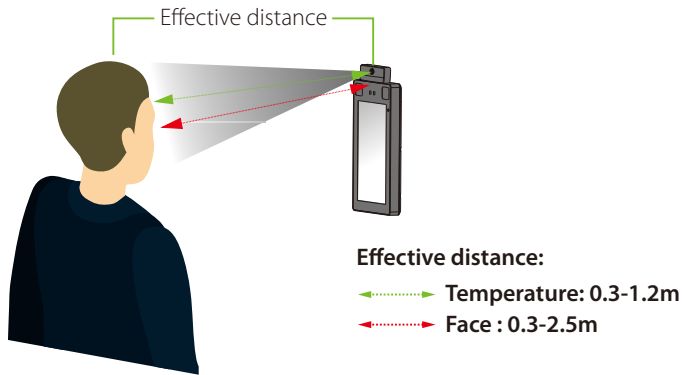
Click on  > [System] > [Detection Management] to enter the setting interface.

- 1 You can set the value of **High temperature alarm threshold**, and enable the **Temperature over the range; access denied** and the **Trigger external alarm**, the device will send an alarm prompt when the temperature of the user detected exceeds this value, meanwhile the user will be forbidden to access, as shown in the following figure. The method of enabling **Mask detection** is the same.
- 2 When the **Allow unregistered people to access** is enabled, optionally, set **Enable capture of unregistered person** to save the temperature data.



Note:

1. The effective distance for temperature detection is within 1.2m.
2. Recommended for indoor use.
3. Temperature measurement data is for reference only, not for medical use.
4. Remove the mask to register the face, wear a mask to recognize the face, the type of mask, the size of the face covered by the mask, and bangs will affect the facial recognition effect.
5. Facial verification for masked individuals will increase FAR. Palm verification for masked individuals is recommended.



Real-time monitoring on ZKBioSecurity MTD software

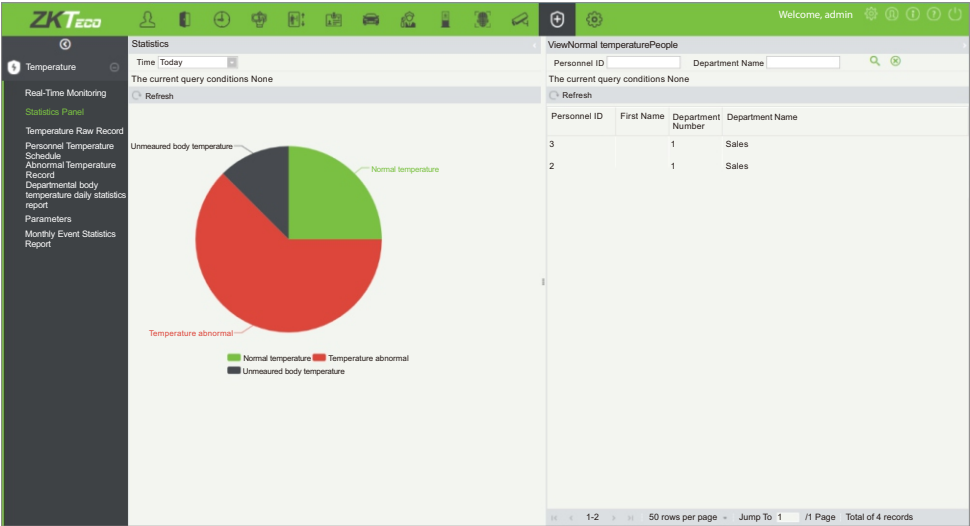
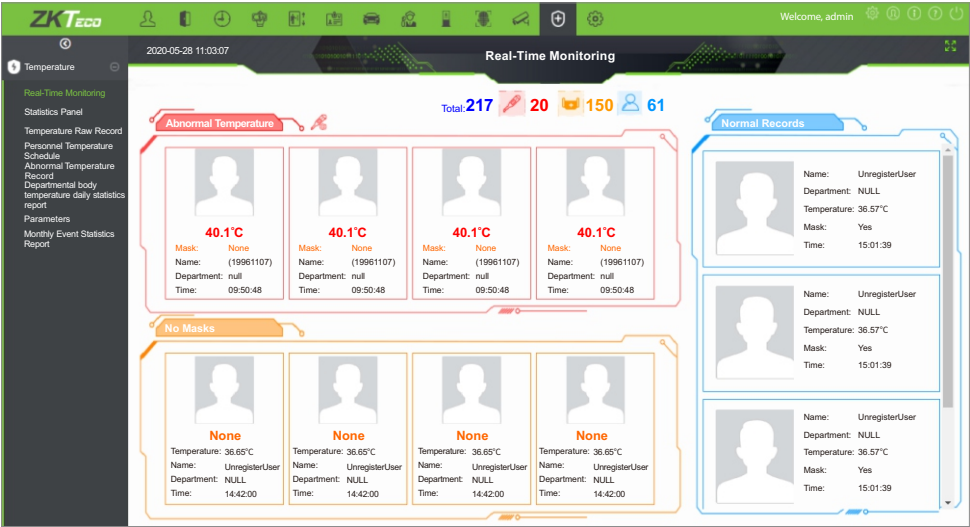
Once ZKBioSecurity MTD software installed, users could perform epidemic management on browser.

1. Please set the IP address and cloud service server address on the device and add the device to the software.
2. Click [Temperature Detection] > [Temperature Management] > [Real-time monitoring] to view all the events include the Abnormal Temperature, No Masks and Normal Records.

When the **Temperature setting** has set, the user data of abnormal body temperature will be displayed on the abnormal temperature information bar automatically.

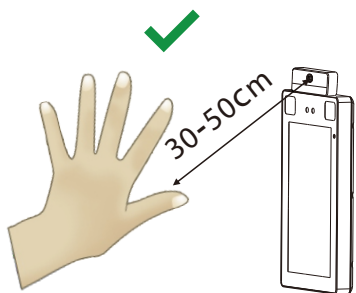
3. Click [Temperature Management] > [Statistics Panel] to view the analysis of statistical data and view the personnels with normal temperature.

As shown in the following figure.



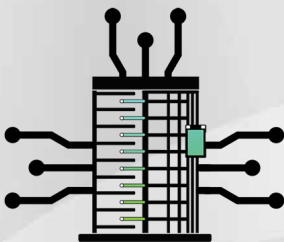
For more details, please refer to the ZKBioSecurity MTD User Manual.

17 Method for Enrolling Palm



Note:

1. Place your palm within **30-50cm** of the device.
2. Place your palm in the palm collection area, such that the palm is placed parallel to the device.
3. Make sure to keep space between your fingers.



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