Quick Start Guide

ProFace X [TD]

Green
Label

1 Overview

Flash

Thermal infrared temperature measurement module

Near-infrared flash

Camera & palm collector

★Microphone (Optional)

8-inch touchscreen

Tamper switch

Speaker

Reset button

12V	
12V	
GND	
GND	
GND	
RS232 { RXD1	
TXD1	
RS485 { 485B	
485A	
GND	
12V	

Wiegand { WD1	
Out	WD0
Wiegand { INWD1	
In	INWD0
GND	
12V	

Power interface

+12V	Power
GND	
GND	Auxiliary
AUX	input
GND	Sensor
SEN	
GND	Exit
BUT	button
NO	
COM	Lock
NC	
AL-	Alarm
AL+	

Network interface

2 Installation Environment

Please refer to the following recommendations for installation.

|				
INDOOR USE	KEEP DISTANCE	AVOID GLASS REFRACTION	AVOID DIRECT SUNLIGHT AND EXPOSURE	KEEP EFFECTIVE DISTANCE 0.3-2.5m

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.

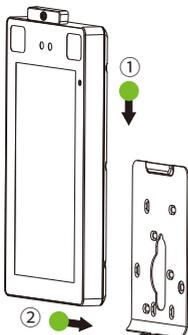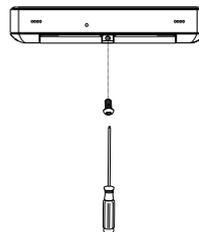④ Fasten the device to the back plate with a security screw.
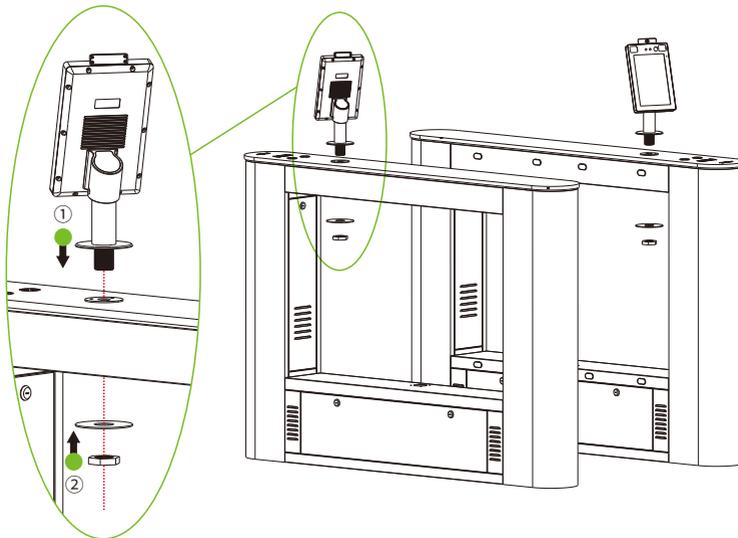
❶

1.5m

❷

❸

①

②

❹
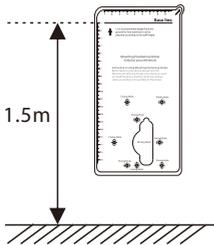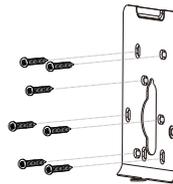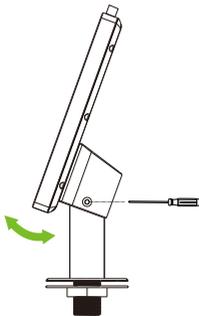
3 Device Installation

❖ 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.

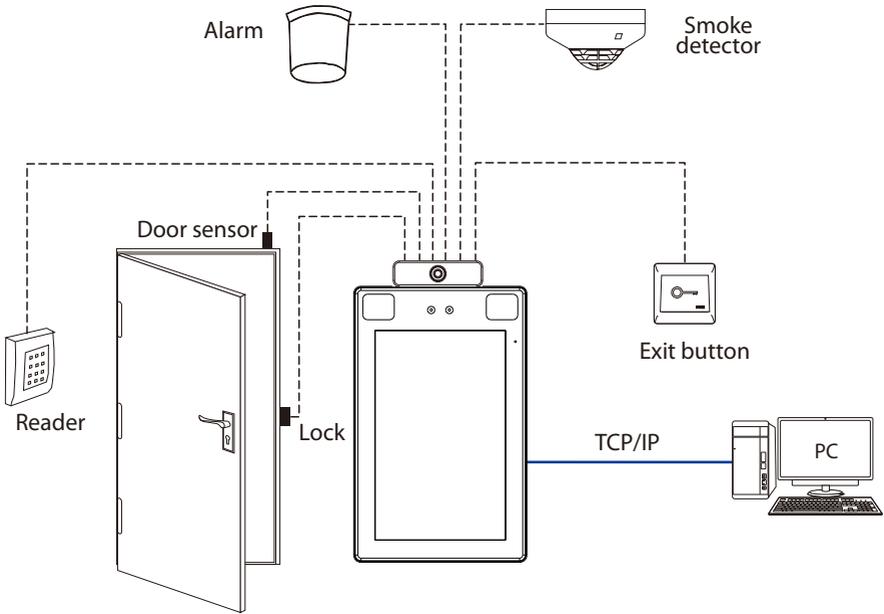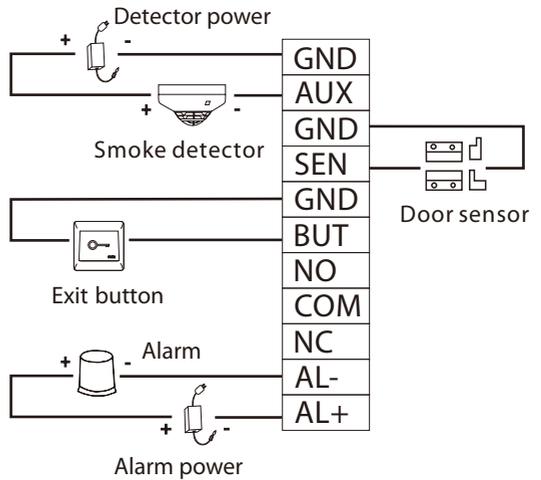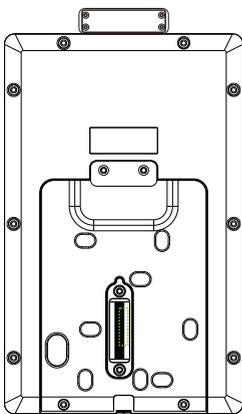# 4 Standalone Installation

Alarm

Smoke detector

Door sensor

Reader

Lock

Exit button

TCP/IP

PC

5 Door Sensor, Exit Button & Alarm Connection

Detector power

+ -

GND

AUX

+ Smoke detector -

GND

SEN

Door sensor

GND

BUT

Exit button

NO

COM
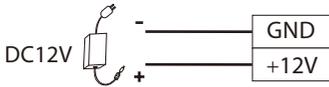
NC

+ - Alarm

AL-

+ - Alarm power

AL+

4

6 Lock Relay Connection

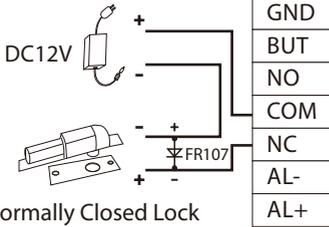The system supports Normally Opened Lock and Normally Closed Lock.
The NO LOCK (normally unlocked when power-on) is connected with 'NO' and 'COM' terminals, and the NC LOCK (normally locked when power-on) is connected with 'NC' and 'COM' terminals.
Take NC Lock as an example below:

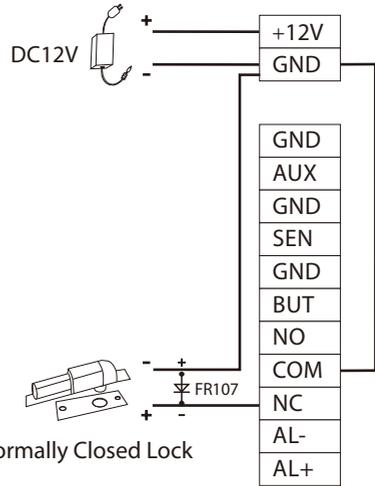### 1) Device not sharing power with the lock

DC12V − +

| GND |
| +12V |

⚠ Maximum 30V 3A input.

DC12V + −

Normally Closed Lock
− +
FR107
+ −

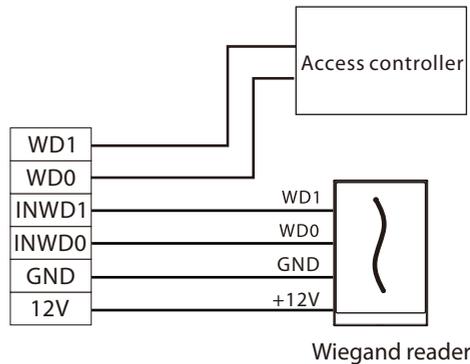| GND |
| AUX |
| GND |
| SEN |
| GND |
| BUT |
| NO |
| COM |
| NC |
| AL- |
| AL+ |

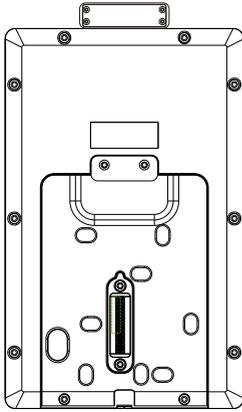⚠ Do not reverse the polarity.

2) Device sharing power with the lock

DC12V + −

| +12V |
| GND |

Normally Closed Lock
− +
FR107
+ −

| GND |
| AUX |
| GND |
| SEN |
| GND |
| BUT |
| NO |
| COM |
| NC |
| AL- |
| AL+ |

7 Wiegand Reader Connection

Access controller

| WD1 |
| WD0 |
| INWD1 |
| INWD0 |
| GND |
| 12V |

WD1
WD0
GND
+12V
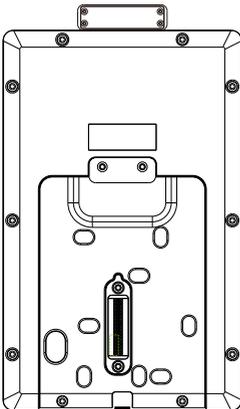
Wiegand reader

8 Barrier Connection

12V
12V
GND
GND
GND
RXD1
TXD1
485B
485A
GND
12V

Barrier gate

9 RS485 Connection

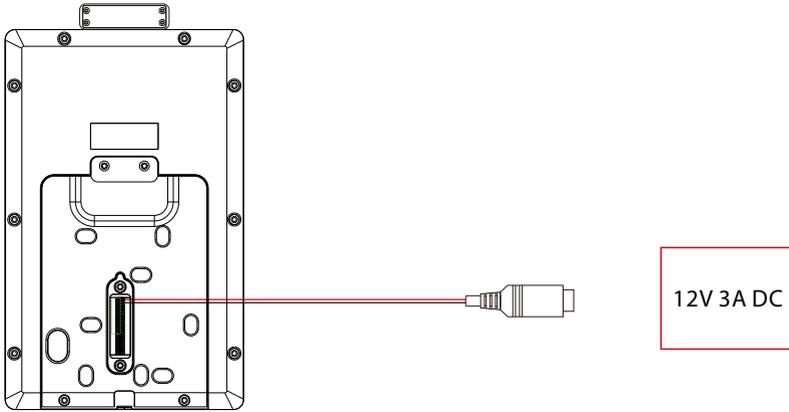| |
|---|
| 12V |
| 12V |
| GND |
| GND |
| GND |
| RXD1 |
| TXD1 |
| 485B |
| 485A |
| GND |
| 12V |

+12V
GND

485-
485+
GND
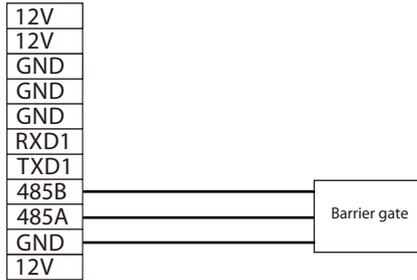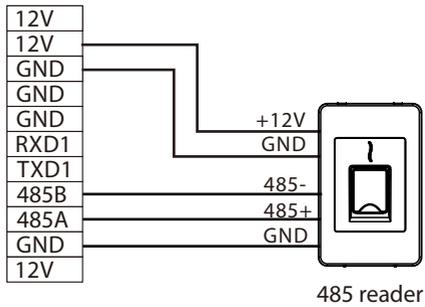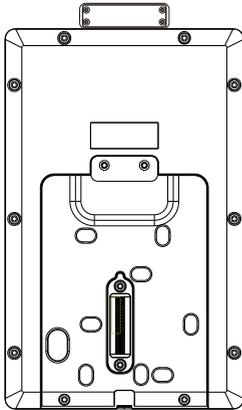
485 reader

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.
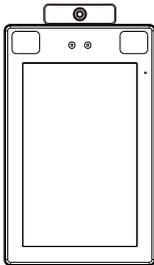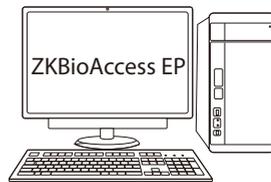
10 Power Connection

12V 3A DC

- 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:

ZKBioAccess EP

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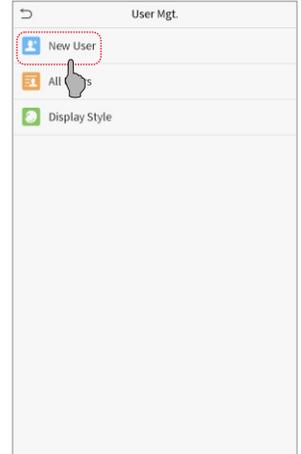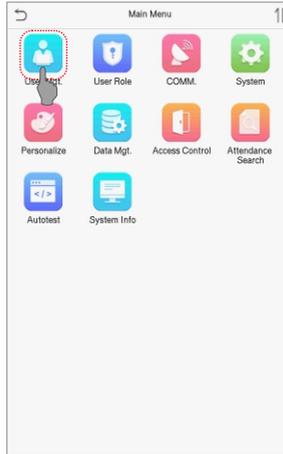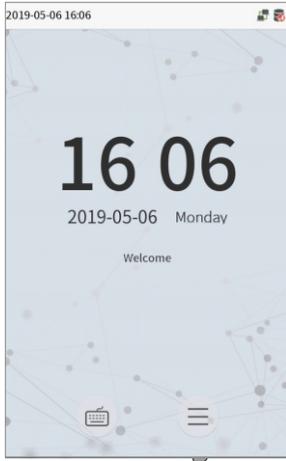
Click on [Comm.] > [Ethernet] > [IP Address], input the IP address and click on [OK].

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.
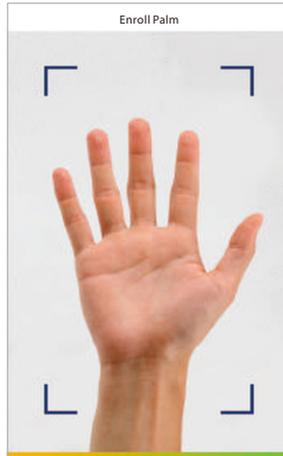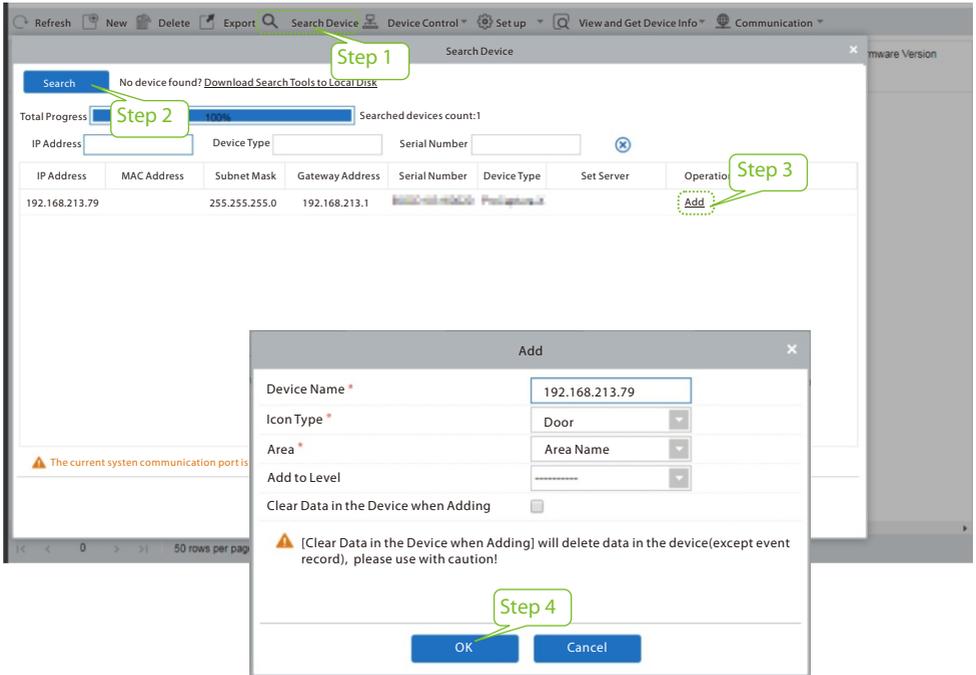
Method 2: Register on ZKBioAccess EP software

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 ZKBioAccess EP User Manual.

Method 3: Register on the phone

Once ZKBioAccess EP 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.
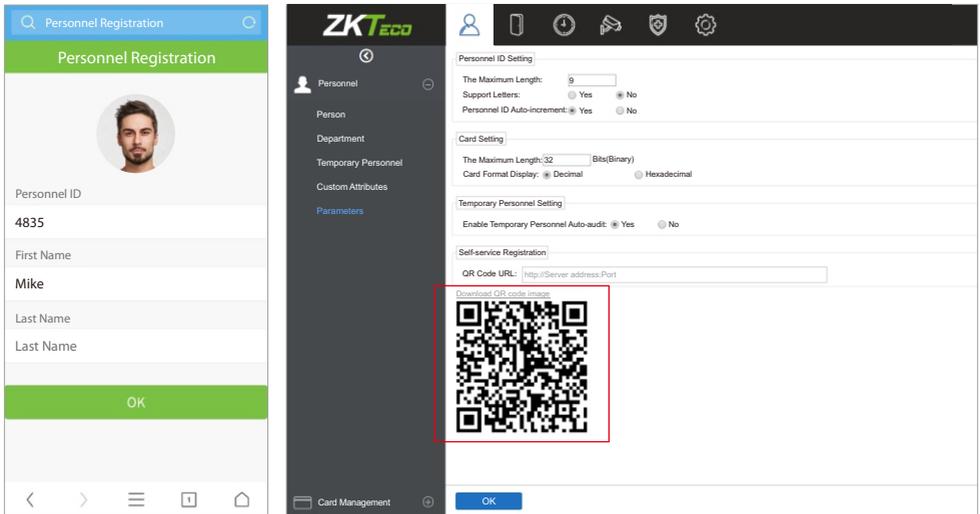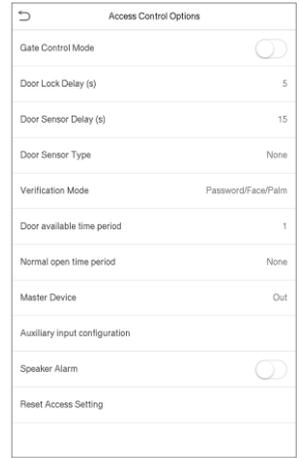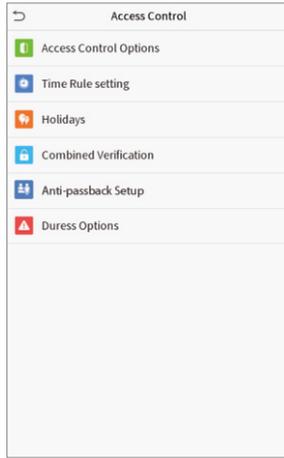

2. The users will display in [Personnel] > [Temporary Personnel], click [Review].
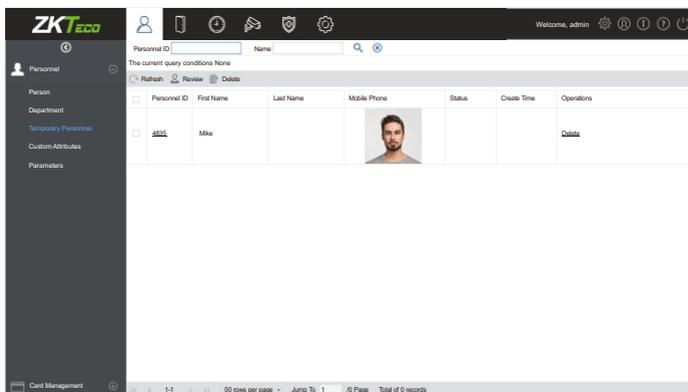
# 13 Access Control Settings

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


14 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.
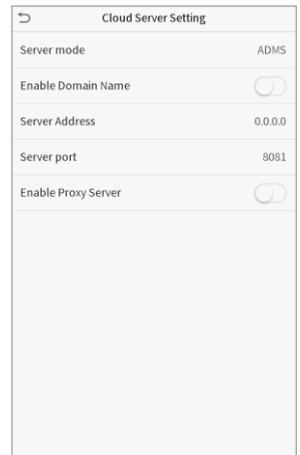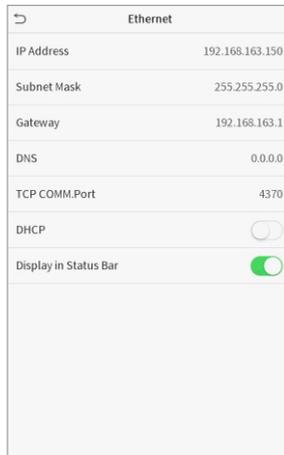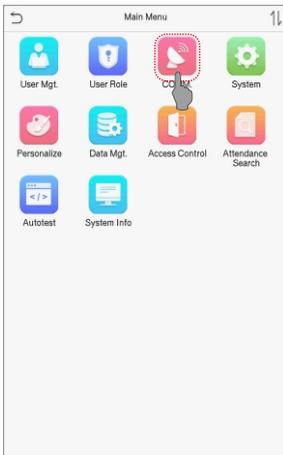
15 Detection Management Settings

Click on ☰ > [System] > [Detection Management] to enter the detection management interface. You can set the value of **High temperature alarm threshold**. The device will send an alarm prompt when the temperature of the user detected exceeds this value. When the **Temperature over the range**; **access denied** is enabled, the user will be forbidden to access, as shown in the following figure.
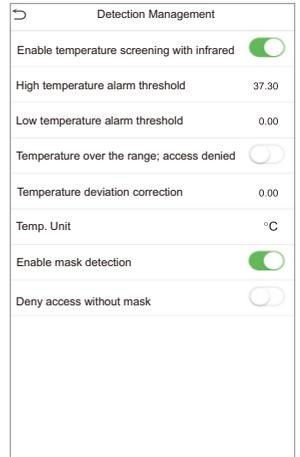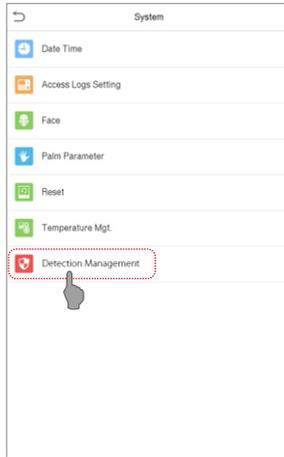
Note:

1. The effective distance for temperature detection is within 50cm.
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.
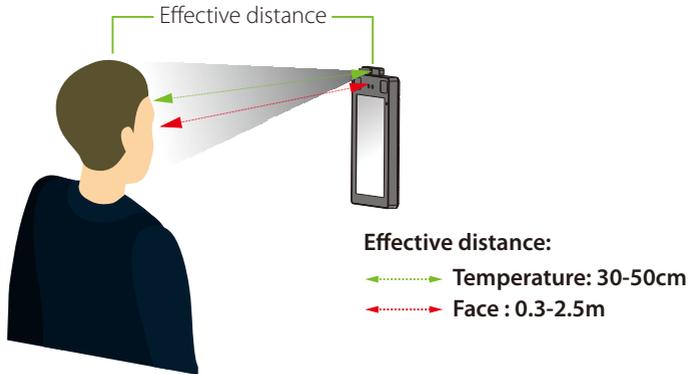
Real-time monitoring on ZKBioAccess EP software

Once ZKBioAccess EP software installed, users could perform epidemic management on browser.

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

1. Click [Prevention] > [Epidemic] > [Real-time monitoring] to view all the events include the user whose temperature is over the range. When the Alarm temperature setting has set, the abnormal body temperature will be marked red automatically.

1. Click [Prevention] > [Epidemic] > [Real-time monitoring] to view all the events include the user whose temperature is over the range. When the Alarm temperature setting has set, the abnormal body temperature will be marked red automatically.

2. Click [Epidemic] > [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 ZKBioAccess EP User Manual.

16 Method for Enrolling Palm
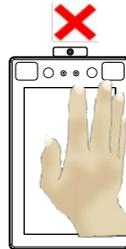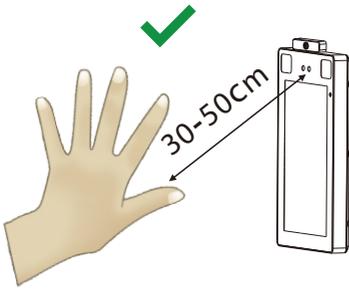
Note:

1. Place your palm within **30-50**cm 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.

Green
Label

www.zkteco.eu