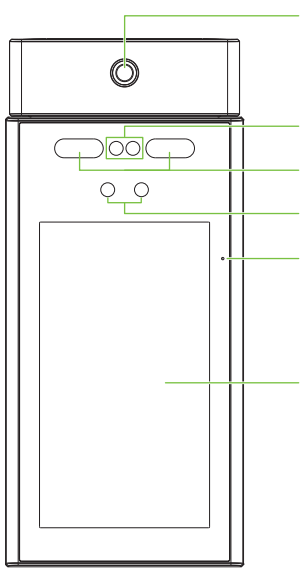
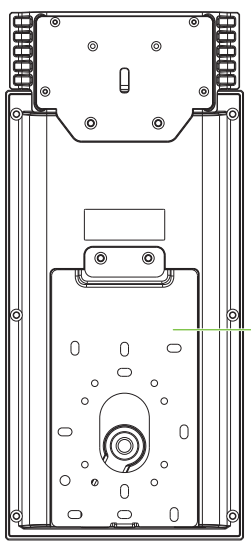
Quick Start Guide

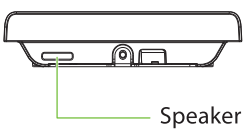
RevFace15[TI]

Version: 1.0

Overview


Thermal imaging body temperature detection sensor
Near-infrared flash
Flash
Camera
Microphone
7" Touchscreen


Back plate

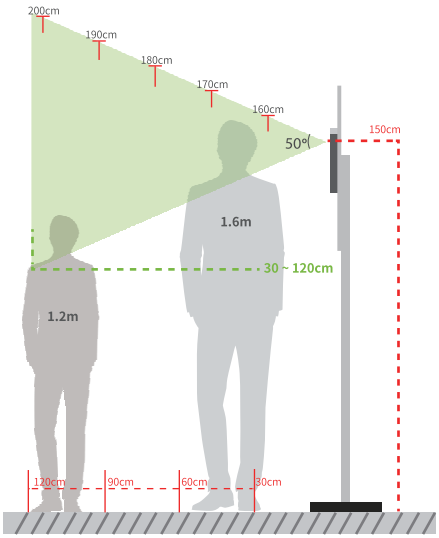

Speaker

Installation Requirements

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

Specifications	Standard Value	Remark
Operating Environment	Use indoor, avoid wind and direct sunlight; 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)	30cm to 120cm (0.98ft to 3.94ft)	The recommended distance is 80cm (2.62ft).
Measurement Deviation	±0.3°C (±0.54°F)	This value is tested in a distance of 80cm or 2.63ft under 25°C (77°F) environment.
Note: The temperature measurement data is only for reference, and not for any medical purposes.		

Forehead Temperature Detection



Indoor constant temperature environment

- **Installation Height:** 1.5m
- **FOV (Field of View) of the Thermal imaging Device:** 50°
- **Temperature Measurement Distance:** 0.3m to1.2m
- **Height of the Face Adapted for Detection:** 1.2m to 2m

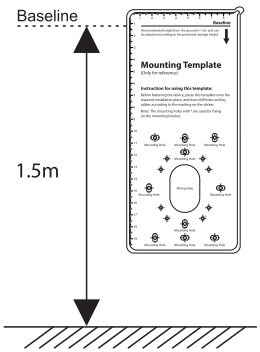
Installation environment:

Device Installation

Installing on the wall

1. Place the mounting template sticker onto the wall, and drill holes according to the mounting paper.
2. Fix the back plate onto the wall using wall mounting screws.
3. Fix the device into back plate.
4. Use the safety screw to fasten the device to the back plate.

1



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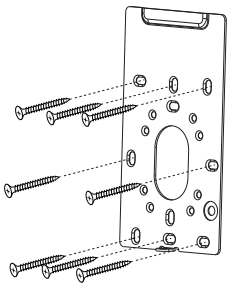

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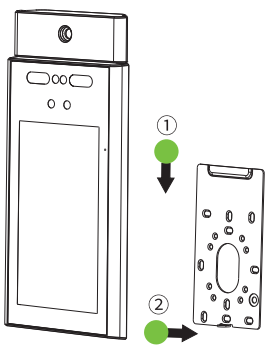

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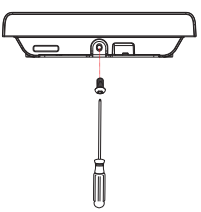
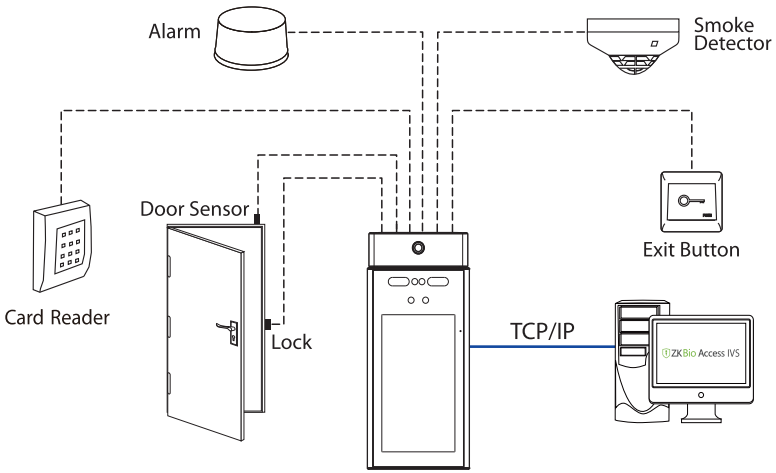
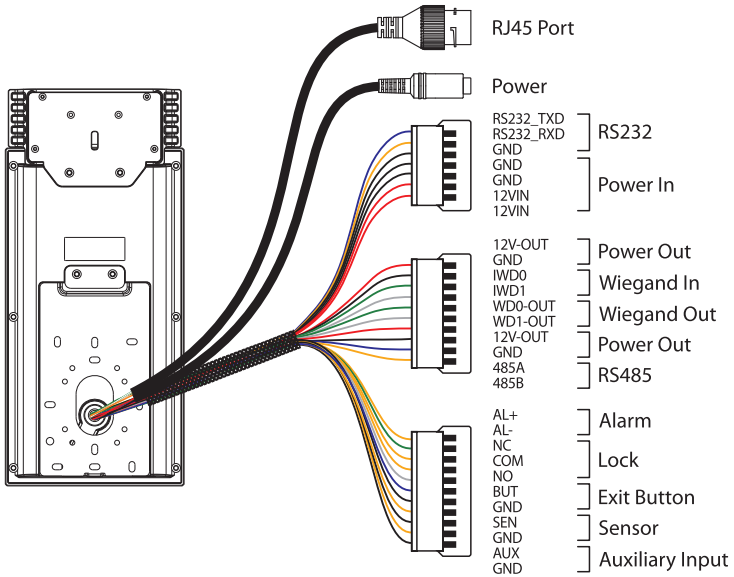


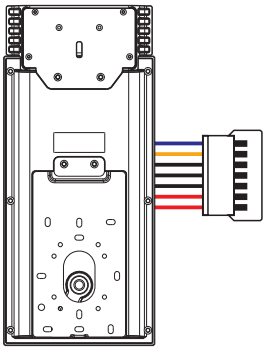
Standalone Installation

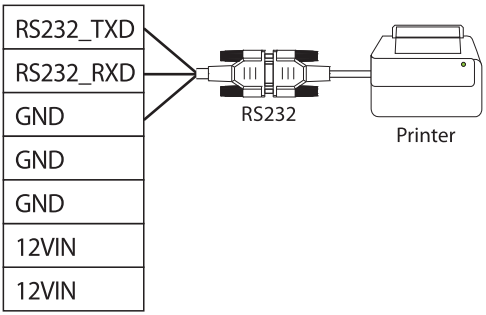


Port Introduction

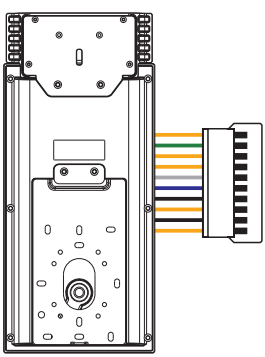


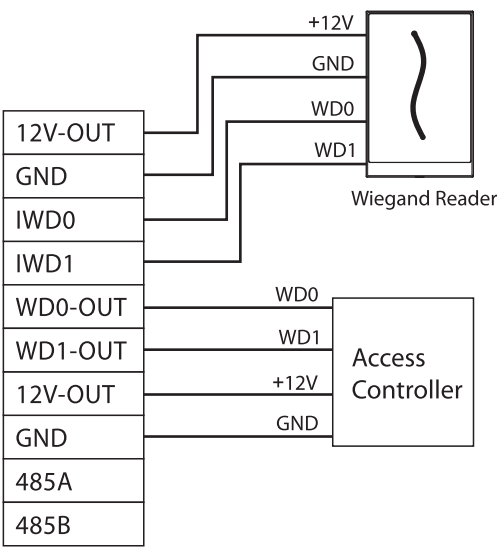
Printer Connection



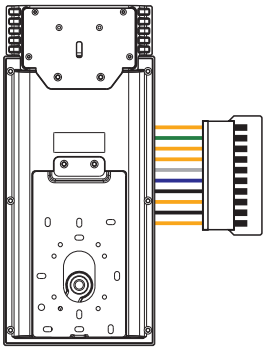


Wiegand Reader Connection

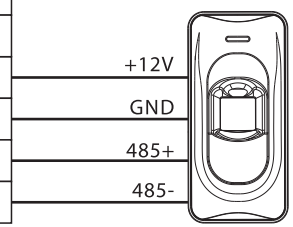




RS485 Connection

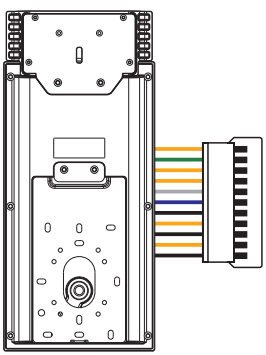


12V-OUT
GND
IWD0
IWD1
WD0-OUT
WD1-OUT
12V-OUT
GND
485A
485B

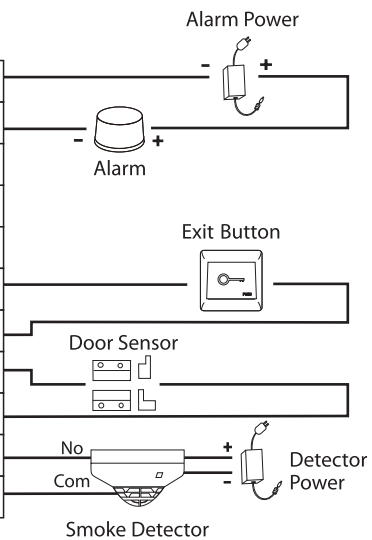


RS485 Reader

Door Sensor, Exit Button & Alarm Connection



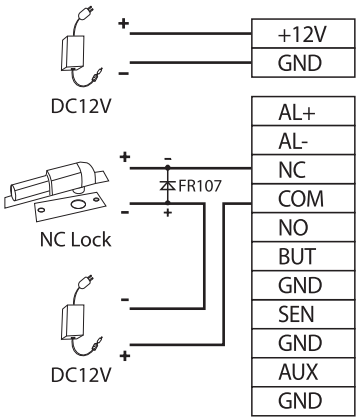
AL+
AL-
NC
COM
NO
BUT
GND
SEN
GND
AUX
GND



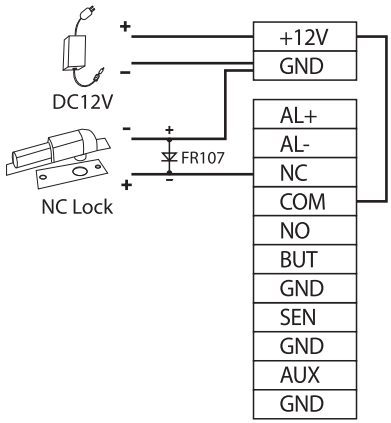
Lock Relay Connection

The system supports both **Normally Opened Lock** and **Normally Closed Lock**. The **NO Lock** (normally open when powered) is connected with '**NO**' and '**COM**' terminals, and the **NC Lock** (normally close when powered) is connected with '**NC**' and '**COM**' terminals. The power can be shared with the lock or can be used separately for the lock, as shown in the example with NC Lock below:

1) Device not sharing power with the lock

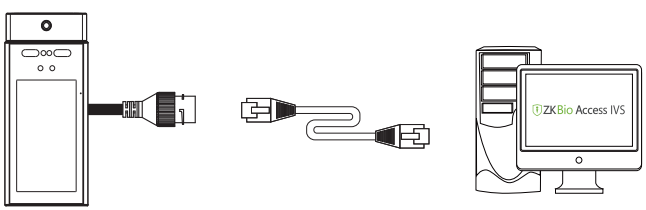


2) Device sharing power with the lock



Ethernet Connection

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



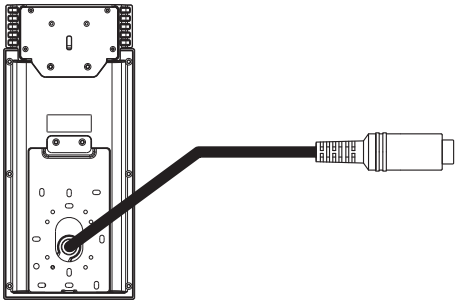
Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0

IP address: 192.168.1.130
Subnet mask: 255.255.255.0

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

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

Power Connection



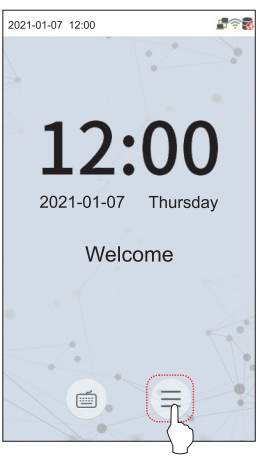
- Recommended AC adapter: 12V, 3A
- To share the power with other devices, use an AC adapter with higher current ratings.

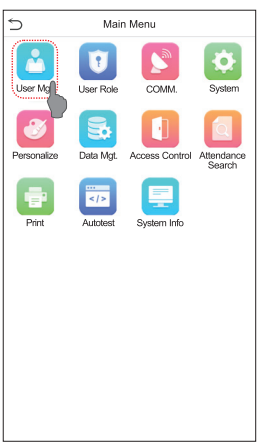
User Registration

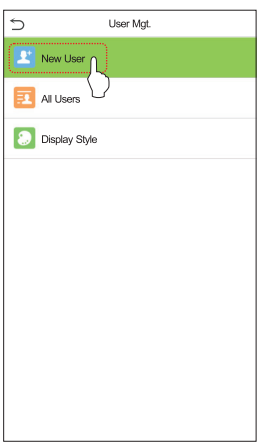
When there is no super administrator set in the device, click on ☰ to enter the menu. Add a new user and set User Role to **Super Admin**, then the system will request for the administrator's verification before entering the menu. It is recommended to register a super administrator initially for security purposes.

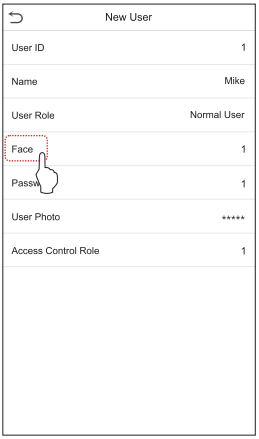
Method 1: Register on the device

Tap on ☰ > [**User Mgt.**] > [**New User**] to register a new user. The options include entering the User ID and Name, setting User Role, registering Face, Password, adding User Photo, and setting access control role.





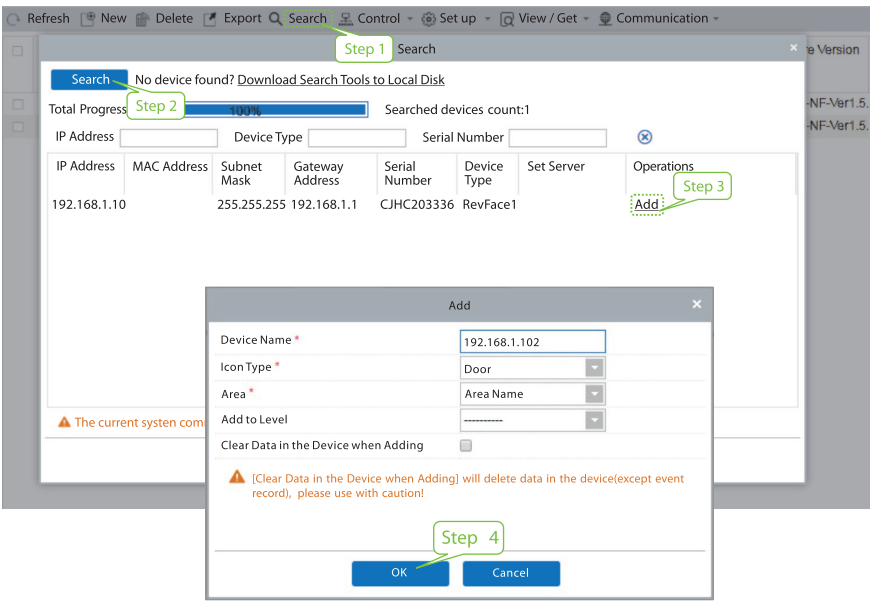




Method 2: Register on ZKBioAccess IVS software

Please set the IP address and cloud service server address in the **Comm.** menu option on the device.

1. Click [**Access**] > [**Device**] > [**Device**] > [**Search**] to search the device on the software. When an appropriate server address and port is set on the device, the searched devices are displayed automatically.



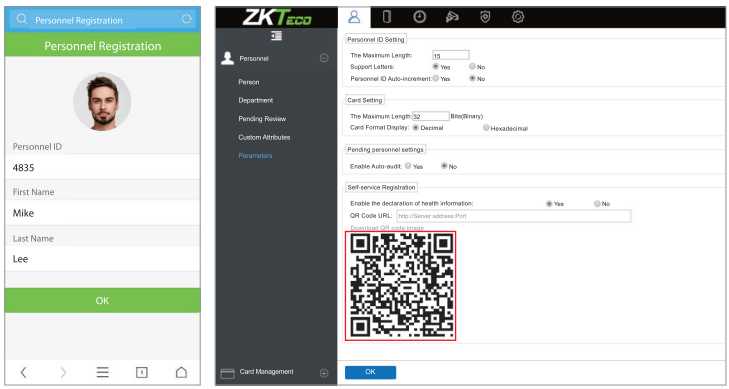
2. Click [**Add**] in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdown and click **[OK]** to add the device.
3. Click [**Personnel**] > [**Person**] > [**New**] and fill in all the required fields to register a new user in the software.
4. Click [**Access**] > [**Device**] > [**Control**] > [**Synchronize All Data to Devices**] to synchronize all the data to the device including the new users.

For more details, please refer to the ZKBioAccess IVS User Manual.

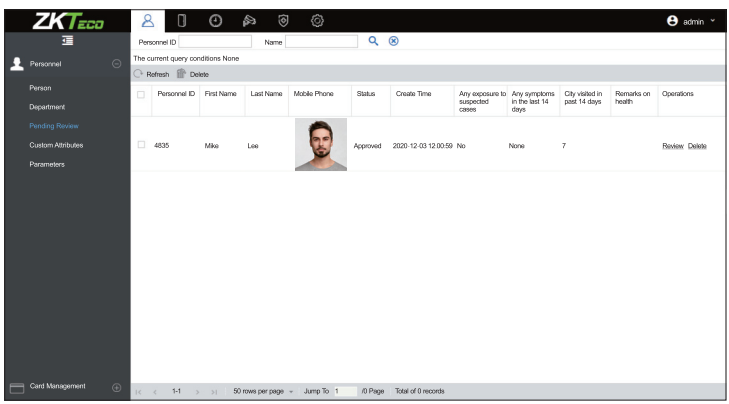
Method 3: Register on the phone

Once the ZKBioAccess IVS software is installed, users can enroll face via a browser application on their mobile phone.

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



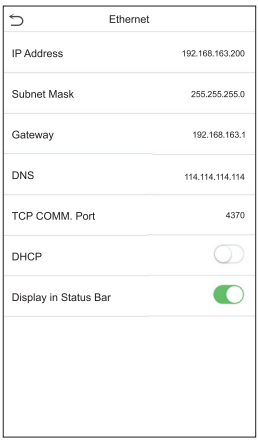
2. The users will be displayed in [**Personnel**] > [**Pending Review**], click on [**Review**] option and assign a department and click [**OK**] to successfully add the user.

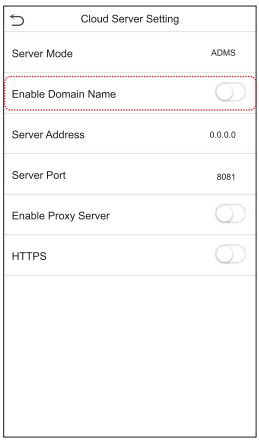


Ethernet and Cloud Server Settings

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.

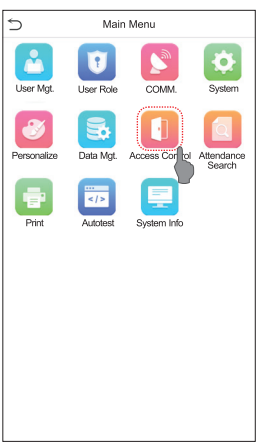
Click on ☰ > [**COMM.**] > [**Cloud Server Setting**] to set the server address and server port, i.e., the IP address and port number of the server after the software is installed. If the device communicates with the server successfully, the icon will be displayed in the upper right corner of the standby interface.

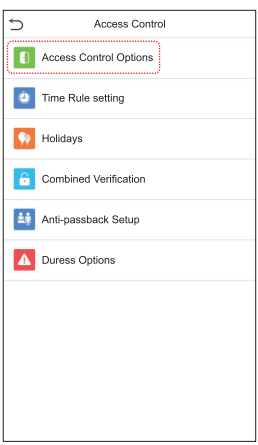


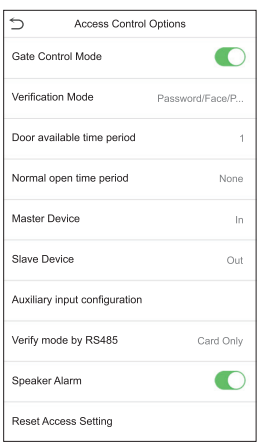


Access Control Setting

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

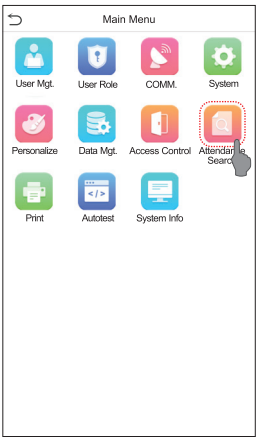


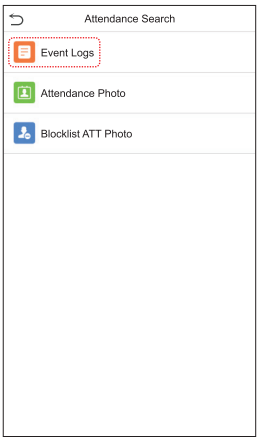


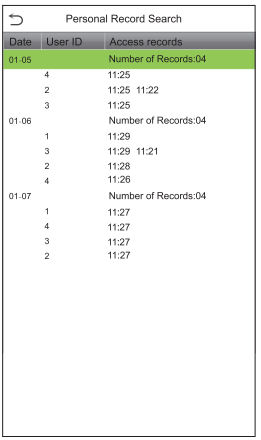


Attendance Record

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.



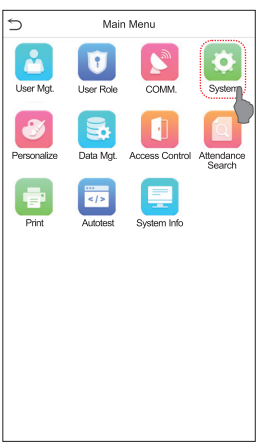


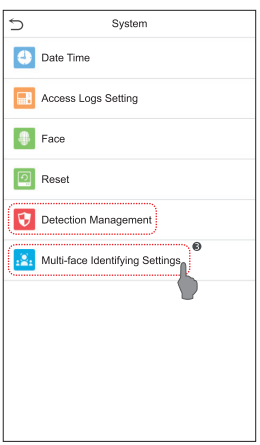


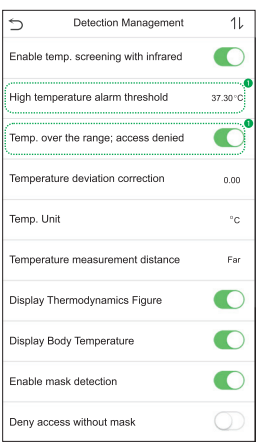
Detection Management Settings

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

❶ You can set the value of the **High temperature alarm threshold,** and enable **Temp. over the range; access denied** and **Trigger external alarm**. Then the device sends an alarm prompt when the temperature of the user detected exceeds the set threshold value, and the user's access is forbidden. You can also enable **Mask detection** the same.

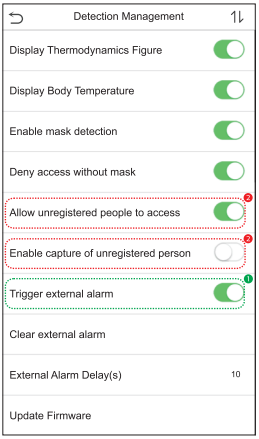






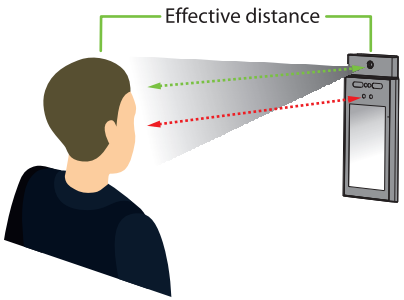
❷ When the **Allow unregistered people to access** is enabled, you can also set **Enable capture of unregistered person** to save the temperature data.

❸ When the **Multi-face Identifying Settings** is enabled, the device can perform facial recognition and temperature detection of multiple people at once. For more details, please refer to the User Manual.



Precautions

1. The effective distance for temperature detection is within 0.3-2m for face.
2. It is recommended for indoor use only.
3. The temperature measurement data is for reference only, and not for medical use.
4. Remove the mask while registering the face, and wear the mask while recognizing the face. The type of mask and the size of the face covered by the mask will affect the facial recognition process.



Effective distance:
Temperature: 30-50cm
Face: 0.3-2m

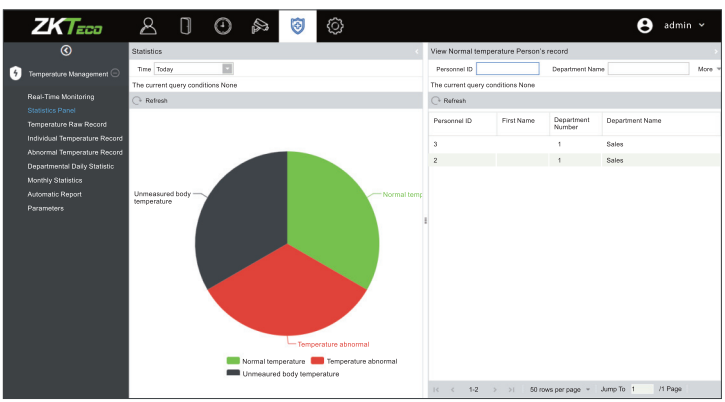
Real-time Monitoring on the ZKBioAccess IVS Software

Once the ZKBioAccess IVS software is installed, users can perform several monitoring operations:

1. Set the IP address and cloud service server address on the device and add the device to the software.
2. Click [**Temperatur Detection**] > [**Temperature Management**] > [**Real-Time Monitoring**] to view all the personnel's events present under the Abnormal Temperature, No Masks, and Normal Records. The user data of abnormal body temperature is displayed on the Abnormal Temperature information bar automatically according to the **Temperature Threshold Setting** is set.
3. Click [**Temperature Management**] > [**Statistics Panel**] to view the analysis of statistical data in the form of a pie-chart and view the personnel with normal temperature, abnormal temperature, and unmeasured body temperature. Also, detailed information of the personnel can be seen on the right by clicking on the particular category on the pie-chart.

Real-Time Monitoring

Statistics Panel



For more details, please refer to the ZKBioAccess IVS User Manual.

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