



# ZKTECO HORUS Second-Generation Facial Recognition Terminal User Guide

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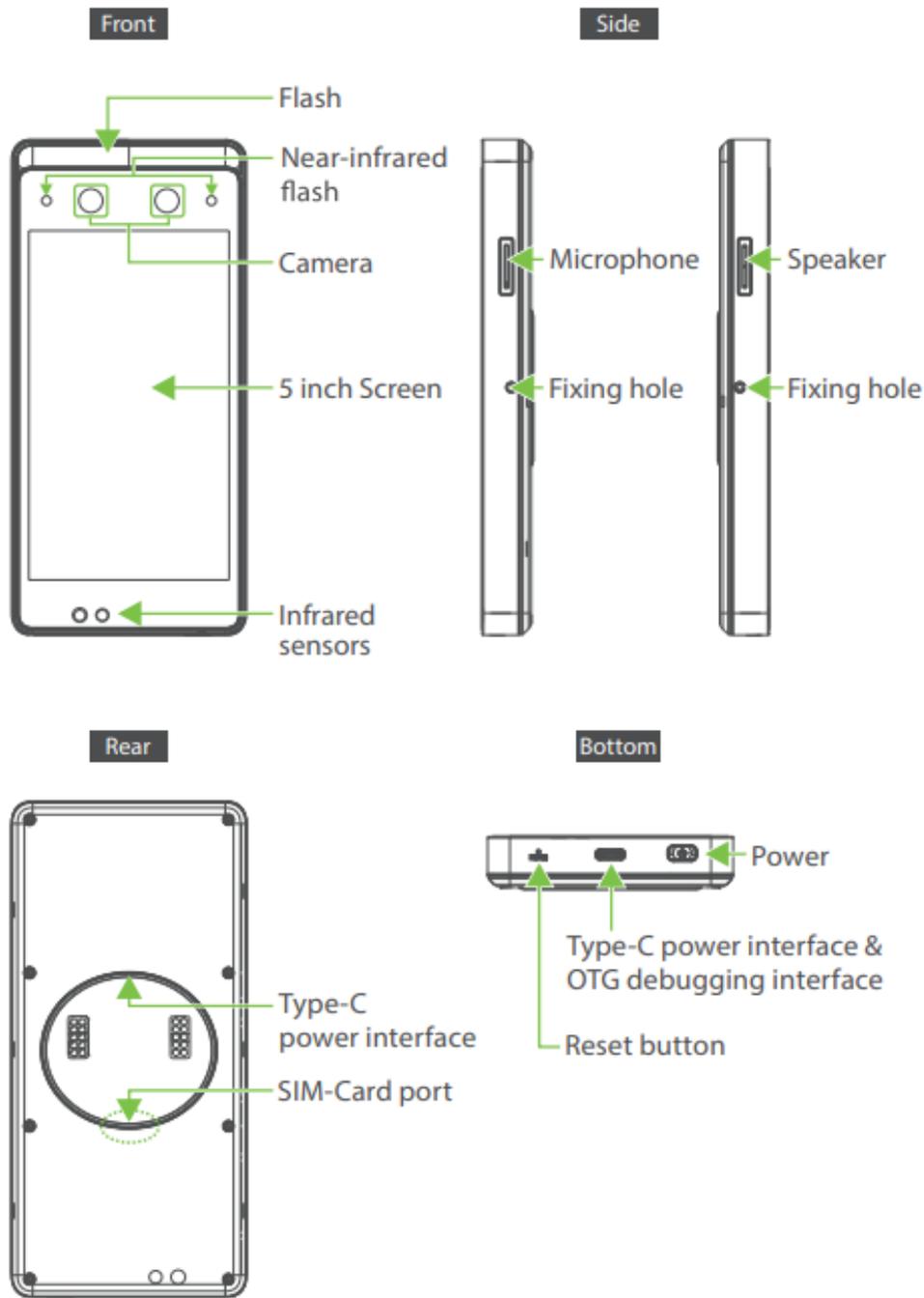
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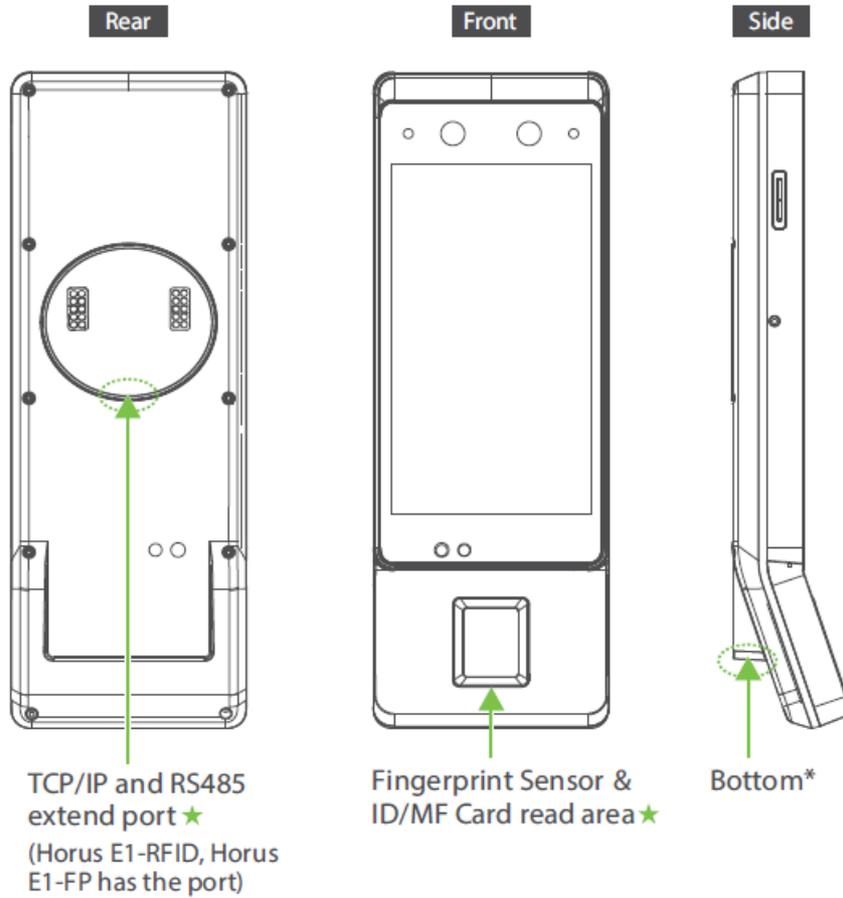
**ZKTECO HORUS Second-Generation Facial Recognition Terminal**



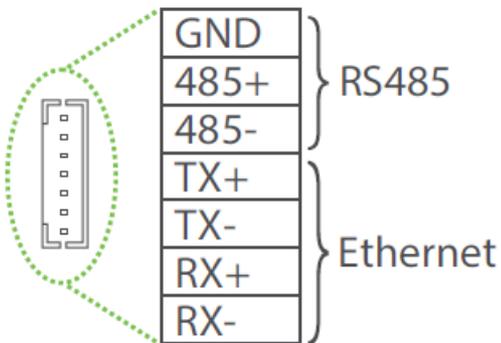
**Device Overview**



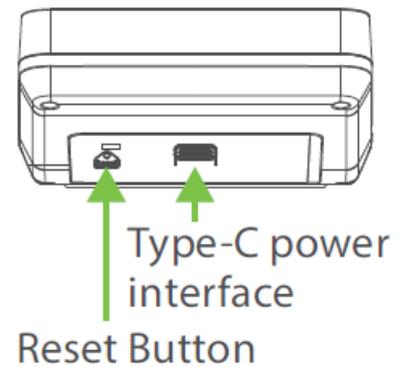
**Fingerprint & RFID (Optional)**



### Port Connection



### Bottom\*



### Note:

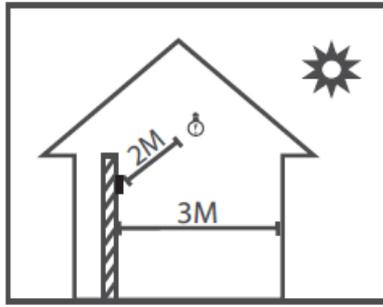
1. The port on the back is used to DM10(RS485) and TCP/IP connection;
2. Not all the devices have the function, in which the real product prevails.

## Device Installation

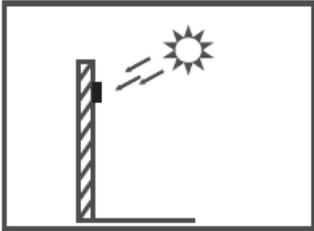
### Installation Environment

#### Recommended location

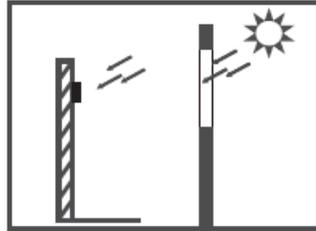
Install the device indoors at least 10 feet (3m) away from window, and 6.5 feet (2m) from light source. It is not recommended to install on the windows or in outdoor.



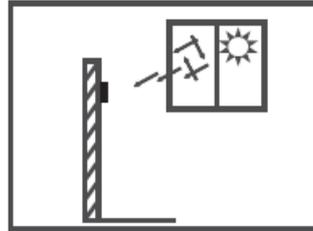
**Not recommended locations**



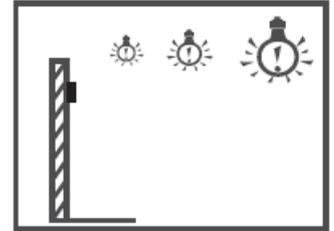
Direct Sunlight  
Outdoor



Direct Sunlight  
through window



Indirect Sunlight  
through window

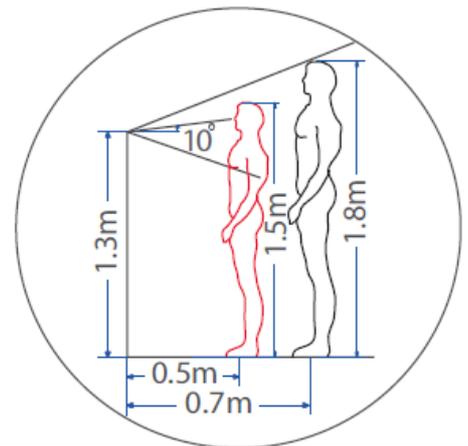
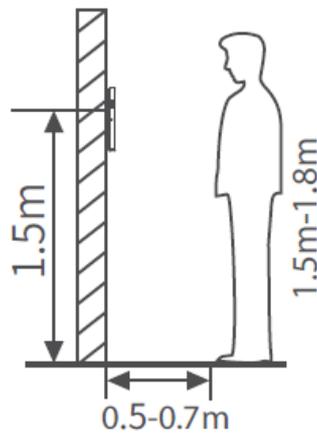
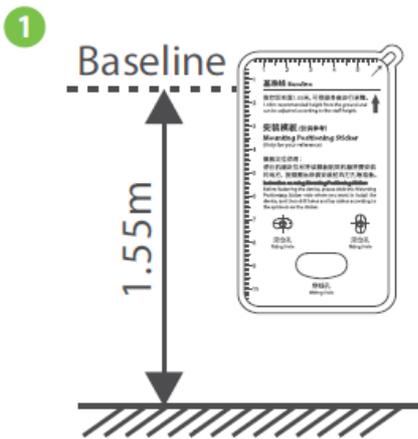


Too close to  
light source

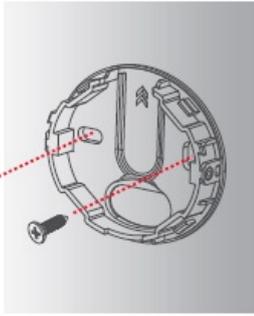
**Installation Steps**

**Mounting on the wall**

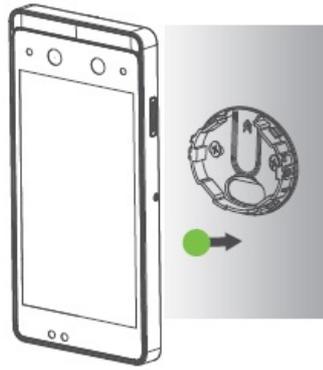
- Step 1: Put the mounting template sticker onto the wall, and drill holes according to the mounting paper.
- Step 2: Fix the back plate onto the wall using wall mounting screws.
- Step 3: Insert the device into back plate.
- Step 4: Use security screw to fasten the device to back plate.



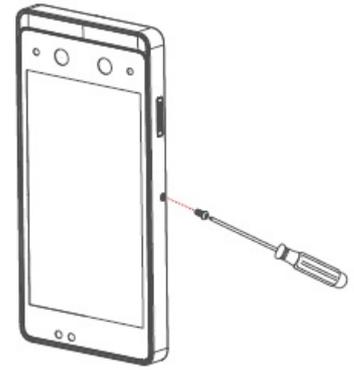
2



3



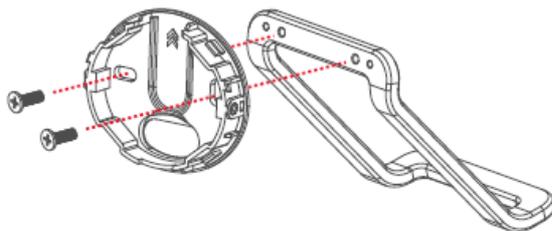
4



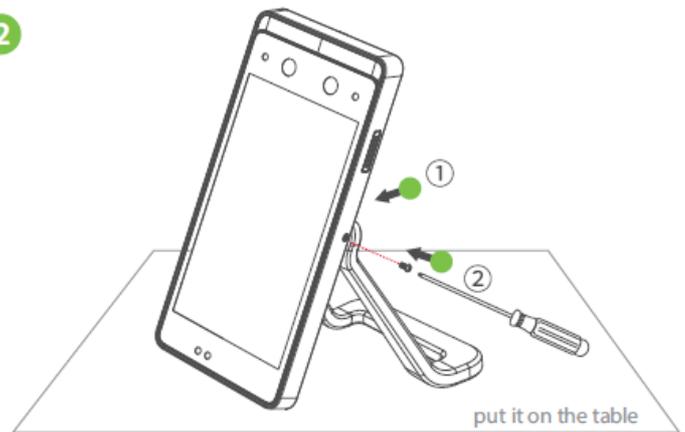
### Mounting on the desktop holder

- Step 1: Screw the back plate to the desktop holder.
- Step 2: Insert the back plate into device. And use security screw to fasten the device to back plate.

1



2



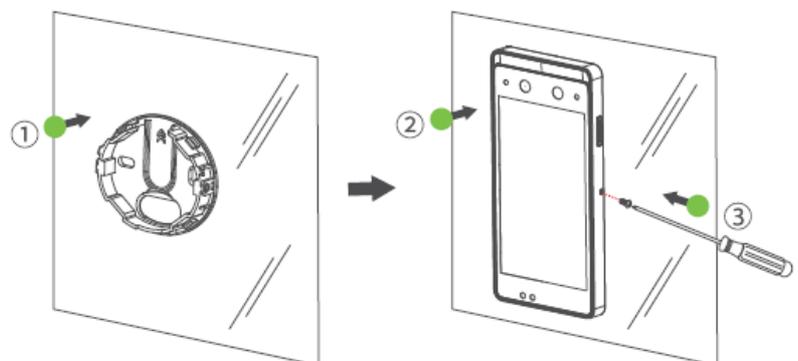
### Mounting on the glass door

- Step 1: Attach the double-sided tape to the back panel. Then attach the back plate to the glass door.
- Step 2: Fix the device to the back plate. Use security screw to fasten the device to back plate.

1



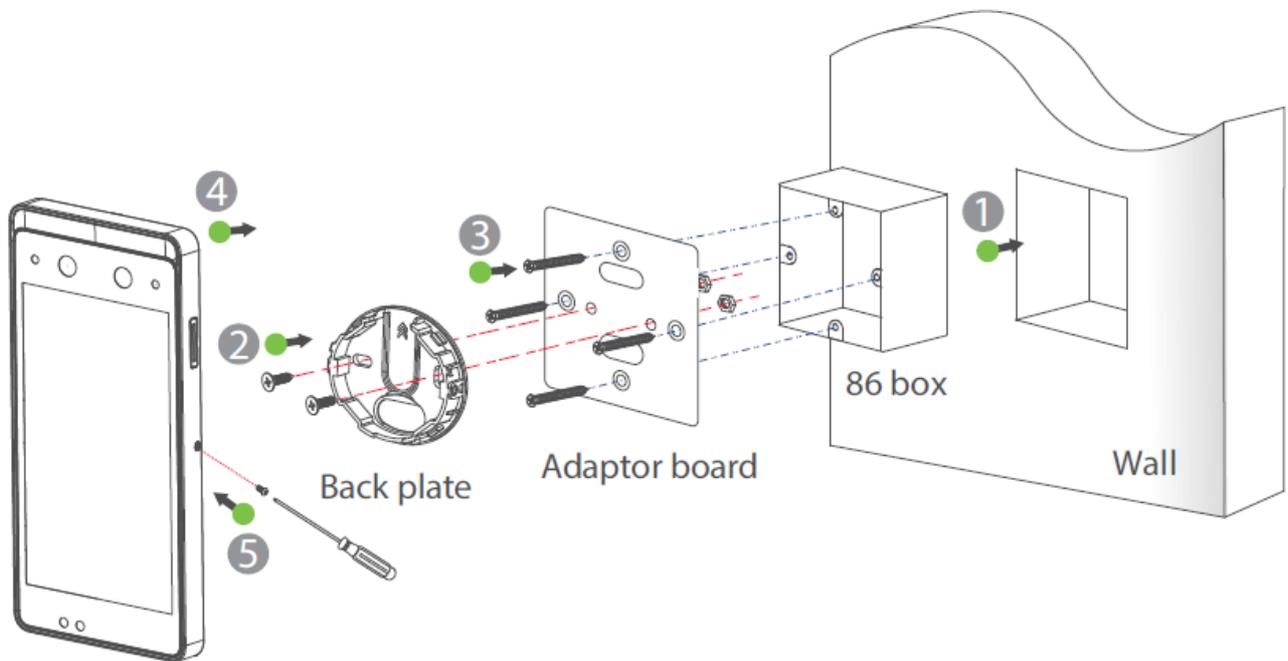
2



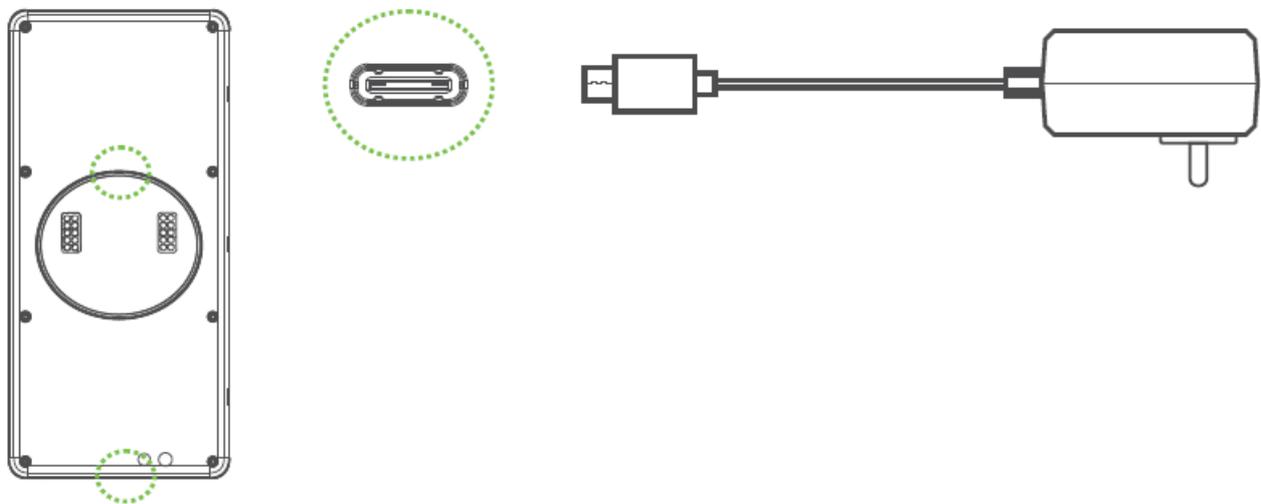
### Mounting on the wall through 86 box

- Step 1: Install the 86 box (or Single Gang box) into the wall.

- Step 2: Fix the back plate to the adaptor board (86 box and Singer Gang has different adaptor board) with two screw and nuts.
- Step 3: Fix the adaptor board onto the 86 box (or Single Gang box) using four wall mounting screws.
- Step 4: Insert the device into back plate.
- Step 5: Use security screw to fasten the device to back plate.



### Power Connection



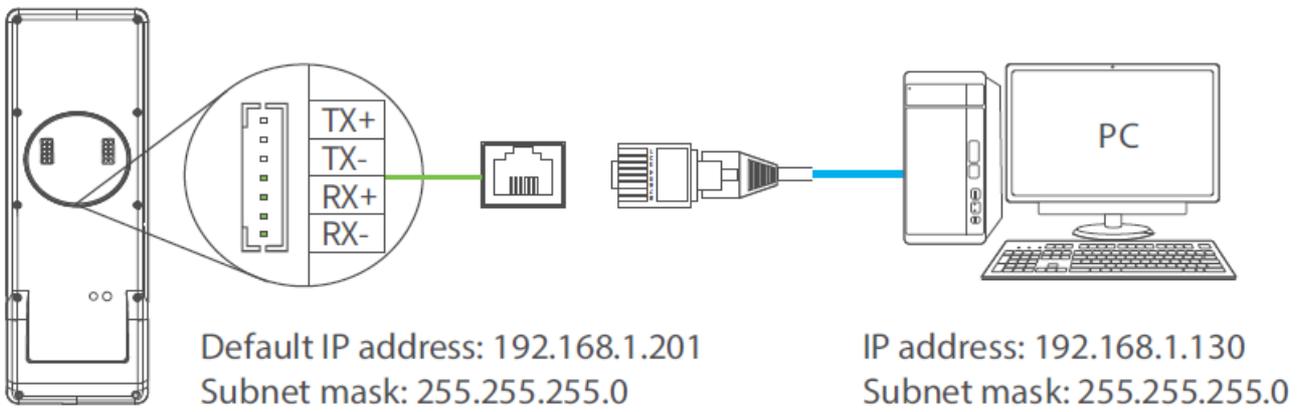
### Recommended power supply:

- 12V  $\pm$  10%, at least 2000mA.
- Please use the supplied Type-C power plug.

### Equipment Connection

#### Ethernet Connection

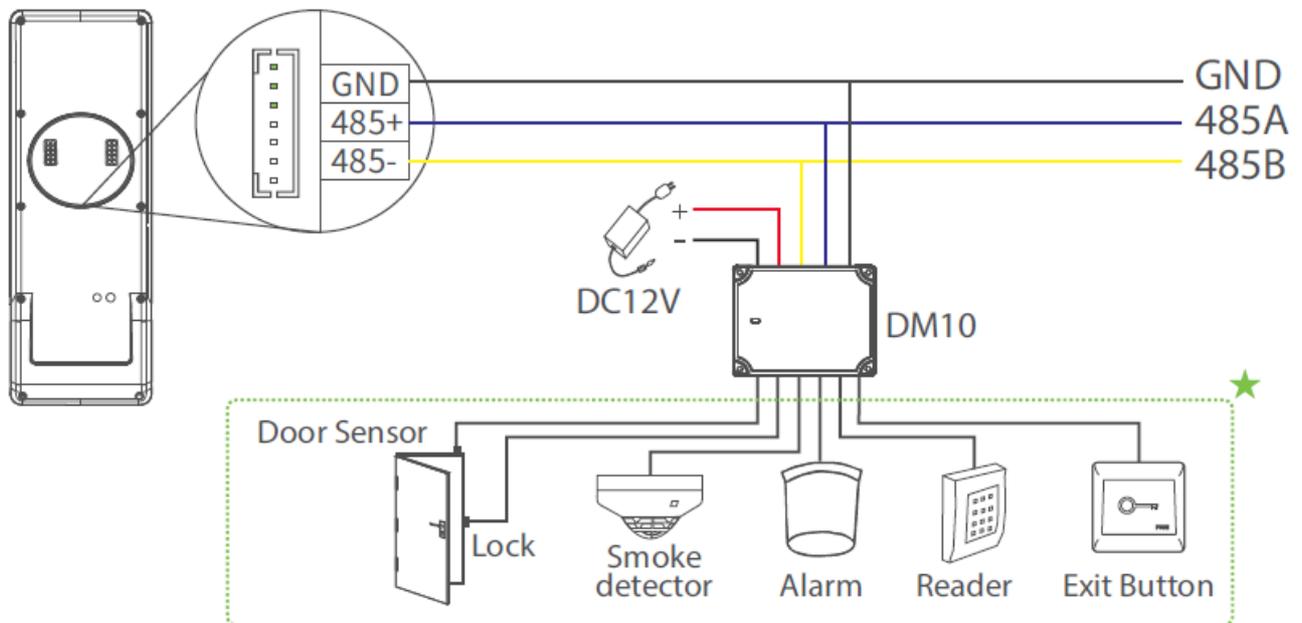
Connect the device and computer software over an Ethernet cable. An example is shown below:



**Note:**

1. In LAN, IP addresses of the server (PC) and the device must be in the same network segment.
2. It only supports Horus E1-RFID and Horus E1-FP.

**RS485 Connection and Extend DM10**



**Note:**

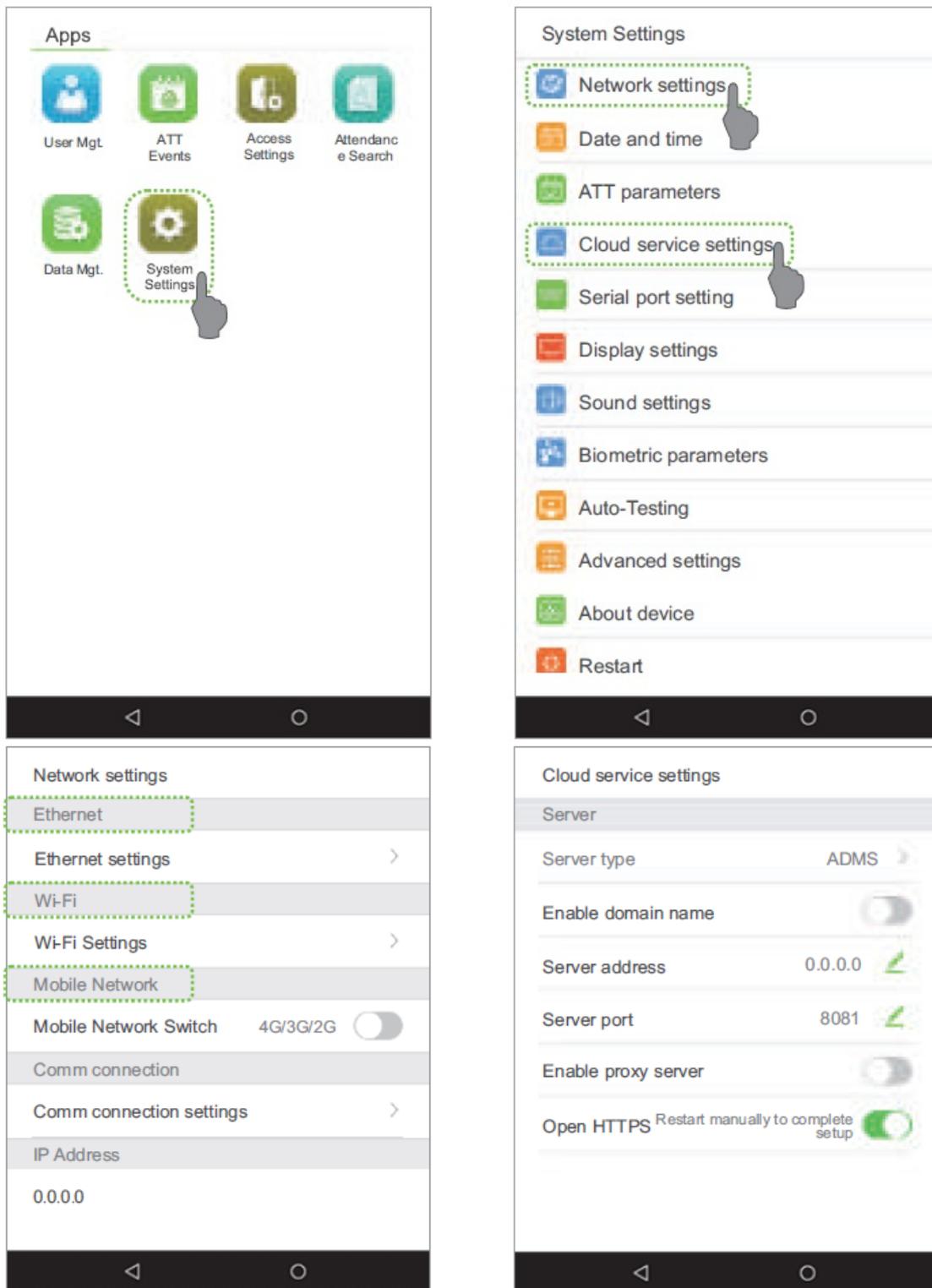
1. DM10 needs to be powered separately.
2. The address of the DM10 DIP switch defaults to
3. It only supports Horus E1-RFID and Horus E1-FP.
4. Not all devices support all functions: Door Sensor, Lock, Smoke Detector, Alarm, Reader, and Exit Button, it's based on the Horus firmware, please con rm with technical support before the sales.

**Quick Start**



**Network settings**

Click > [System Settings] > [Network settings] / [Cloud service settings] to enter the settings interface, and to set parameters of the ethernet, Wi-Fi, 4G, and cloud service.

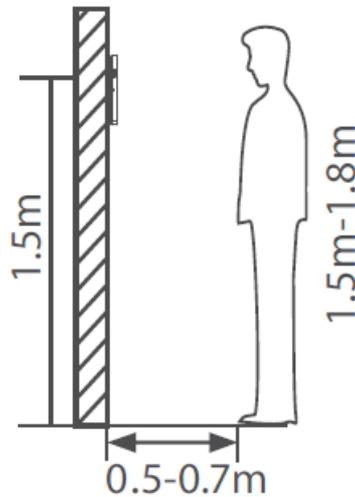
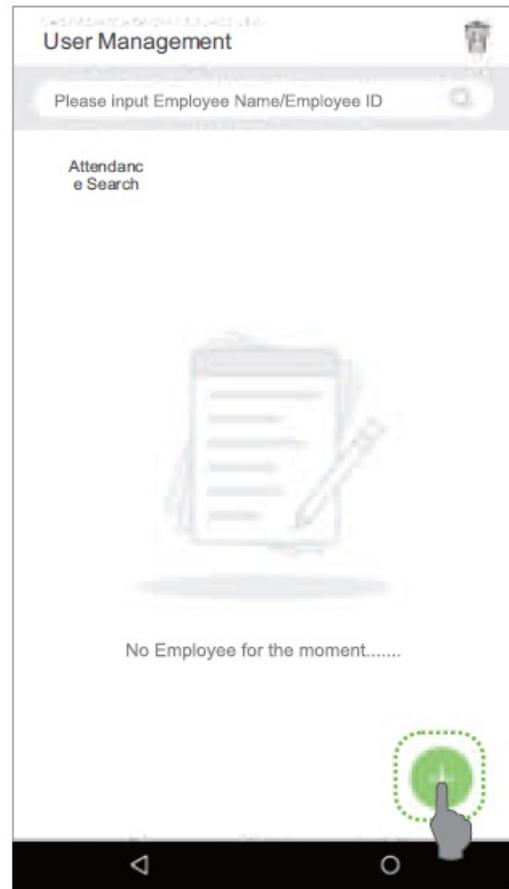
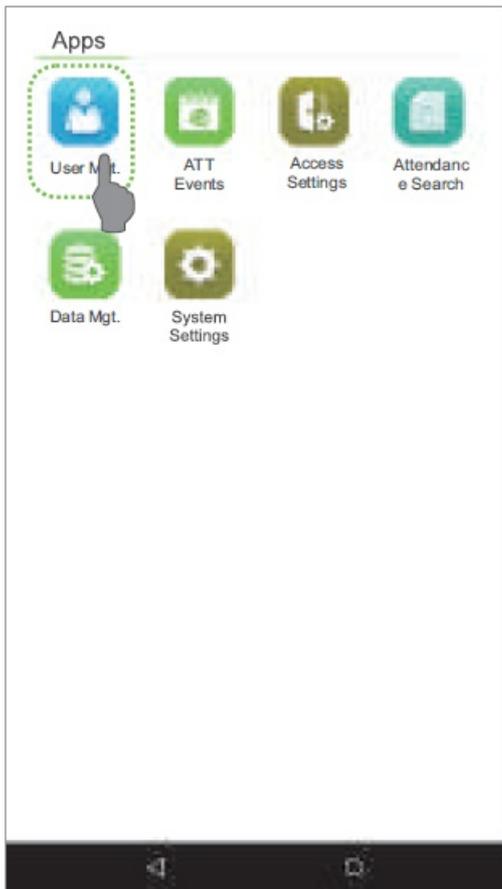


**Note:** Plug the SIM card into your device, turn on the 4G/3G/2G function, and you can use it directly.

## User registration

### 1. Register on the device

Click > User Mgt. > to register a new user. Enter a user name, ID, register face, fingerprint, badge number (fingerprint and ID card are optional), and password.



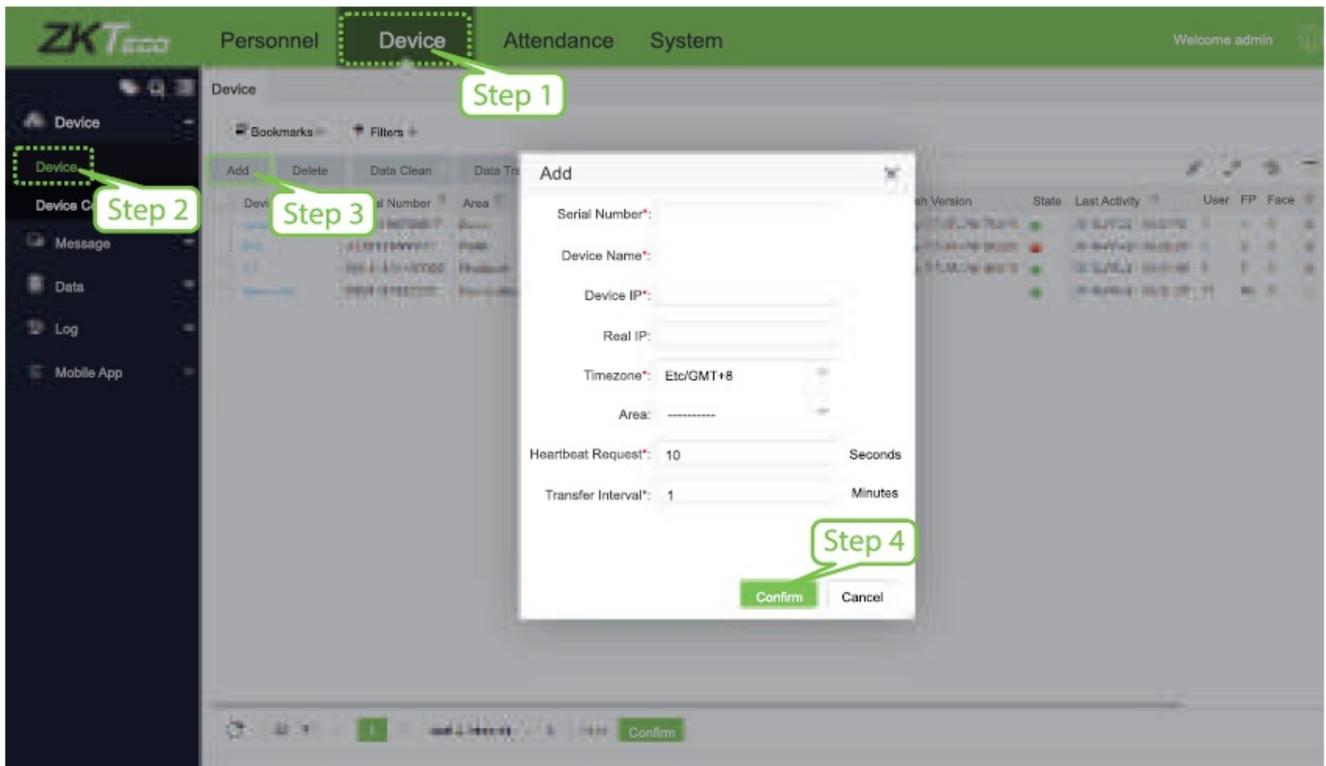
**Note:**

1. It's recommended to register multiple administrators.
2. It's recommended to enroll the user's face in 0.5~0.75m distance, it's good for a 1.5~1.8m height person.

**Register on the software (BioTime 8.0)**

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

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



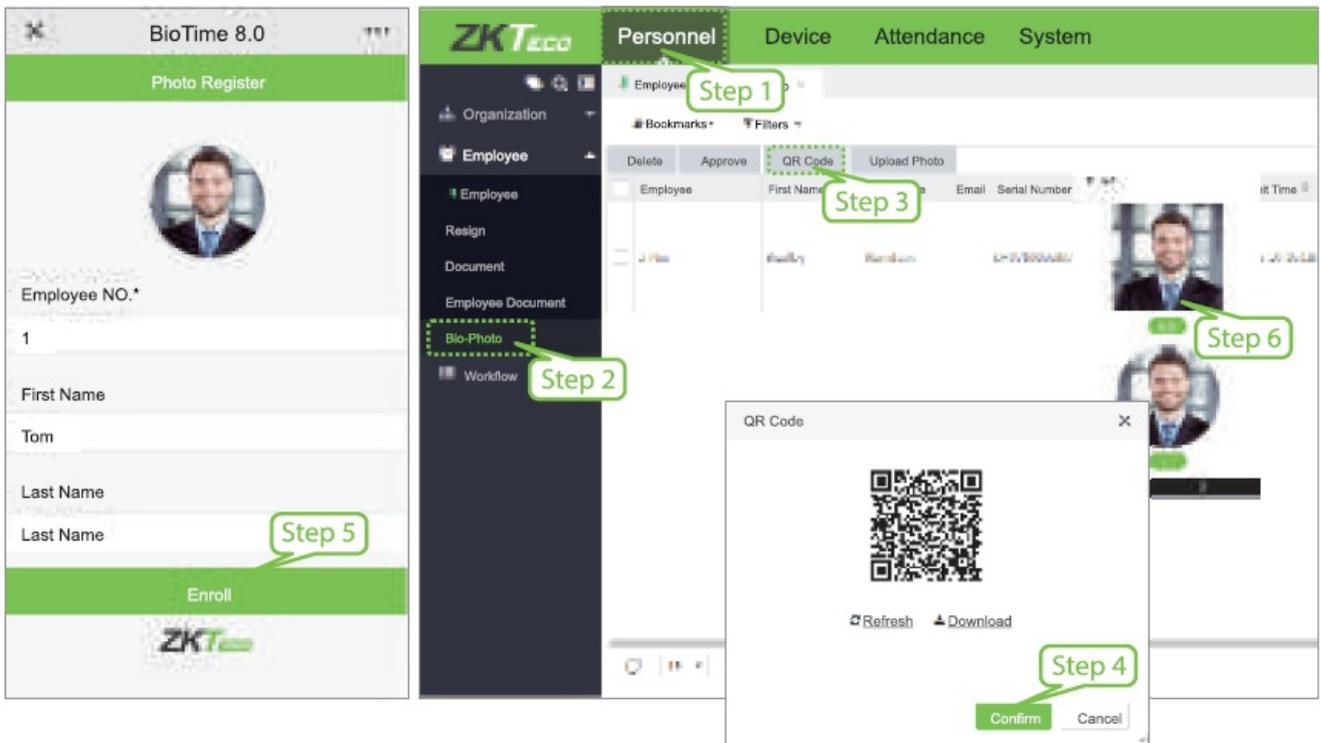
- Click [Personnel] > [Employee] > [Employee] > [Add] to register users in the software.
- Synchronize personnel on the software to devices in the corresponding area.
- In the personnel list, select an employee (or employees) and click [More] > [Synchronize to Device] to access the confirmation interface for synchronizing. For more details, please refer to the BioTime 8.0 User Manual.

**Note:** The icons or in the standby interface indicate that the network connection or the server is abnormal. Please check the network cable and network connection.

### Register on the phone

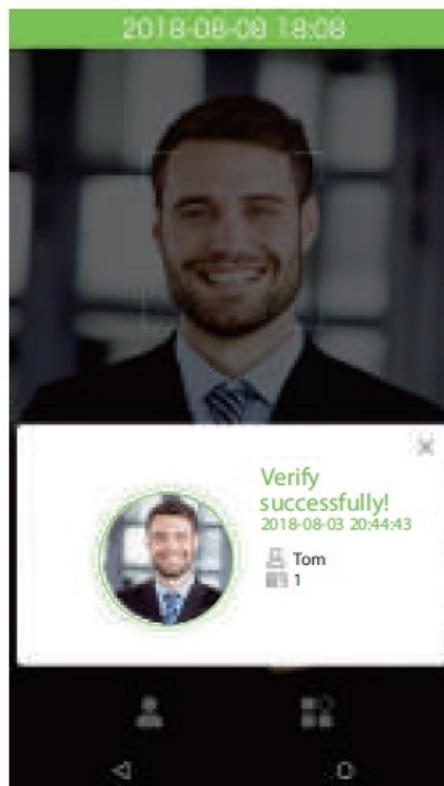
Once BioTime 8.0 software installation, users could enroll face via a browser application on their own mobile phone. Register visible light comparison photos to verify and punch on the visible light device.

- Choose [Personnel] > [Employee] > [Bio-photo] > [QR Code] to access the QR Code getting interface.
- Scan the QR code via browser APP and enroll the face user, user could input the [http://server\\_ip\\_address:server\\_port/v1Register/](http://server_ip_address:server_port/v1Register/) on the browser APP manually as well. The following interface is entered after successful scanning:



## User Authentication

The terminal could detect a face in a 0.3m to a maximum 3m distance. The device switches to the face verification interface automatically once it detects a bright environment change. The verification result shows as the right image.



Verification is successful

## View records

### View records on the software

Click [Attendance] > [Report] on the software to view the records.

## Documents / Resources

	<p><a href="#">ZKTECO HORUS Second-Generation Facial Recognition Terminal</a> [pdf] User Guide HORUS, Second-Generation Facial Recognition Terminal, Facial Recognition Terminal, Recognition Terminal, HORUS, Terminal</p>
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[Manuals+](#).