### 1 Installation

#### Installation Environment:
- Indoor and outdoor installation are supported. If installing the device indoors, the device should be at least 2 meters away from the light, and at least 3 meters away from windows or doors. If installing the device outdoors, you should apply Silicon sealant among the cable wiring area to keep the raindrops from entering.
- Make sure the environment illumination is more than 120 Lux.

#### Before you start:
According to the baseline on the mounting template, stick the mounting template on the wall or other surface, 1.4 meters higher than the ground.

**Note:** Make sure the output of external power supply fulfills IEC.

**Steps:**
1. Drill holes on the wall or other surface according to the mounting template and install the gang box.
2. Use two supplied screws (M4×12-PS-SS) to secure the mounting plate on the gang box. Route the cables through the cable hole of the mounting plate, and connect to the corresponding external devices' cables.

**Note:** Apply Silicone sealant among the cable wiring area to keep the raindrops from entering.

3. Insert the fingerprint module to the holes at the bottom of the main part.
4. Align the device with the mounting plate and hang the terminal on the mounting plate.
5. Make sure the two sheets on each side of the mount plate have been in the holes at the back of the device. Use two supplied screws (SC-M4×12TP10-S1S) to secure the device and the mounting plate.

**Note:** The installation height here is the recommended height. You can change it according to your actual needs. You can also install the device on the wall or other places without the gang box. For details, refer to the User Manual.

For easy installation, drill holes on mounting surface according to the supplied mounting template.

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### 2.1 Device Wiring (Without Secure Door Control Unit)

#### Dimensions:
- **Backlight**
- **Direct Sunlight**
- **Indirect Sunlight**
- **Close to Light**
- **Through Window**

#### Power Input

#### Alarm Input

#### Alarm Output

#### RS-485

#### Wiegand

#### Door Lock

#### Network Interface

#### Dimensions:
- **IR Light**
- **White Light**
- **IR Light**
- **USB Interface**

#### Wiring Terminal

#### Internal Power Supply

#### External Power Supply

#### Electric Droplet

#### Drive Motor

#### Door Magnet

#### Door Switch

#### Power

#### Notes:
- When connecting the door magnetic sensor and exit button, the device and the Wiegand card reader should use the common ground connection.
- The Wiegand terminal here is a Wiegand input terminal. You should set the Wiegand terminal to "Input". If you should connect to an access controller, you should set the Wiegand terminal to "Output". For details, see setting Wiegand parameters in Section 7.3.1 Communication Settings.
2.2 Device Wiring (With Secure Door Control Unit)

![Diagram]

- **RS485**: Connect the device to the network cable.
- **Power Input** and **Power Output**: Connect the power adapter.
- **Sensor Input** and **Sensor Output**: Connect the sensor.
- **Exit Button** and **NC/NO**: Connect the exit button.
- **Lock Output** and **DC48V**: Connect the lock.
- **B1** and **B2**: Connect the equipment into an outlet on a circuit different from that to which the equipment is connected.

**Note:** The secure door control unit should connect to an external power supply separately.

3 Activation

- **Power on and wire the network cable after installation.** You should activate the device before the first login.
- **Create a password and confirm the password.** If the device is not activated yet, it will enter the Activate Device page after powering on.
- **Power on and wire the network cable after installation.** You should activate the device before the first login.

**Note:** If you adopt multiple authentication methods, you should authenticate other authentication methods.

4 Two-Way Audio

After adding the device to the client software, you can call the device from the client software, call the client from the device, or call the indoor station form the device.

- **Call Client Software from Device**
  - After adding the device to the client software, tap  and tap Answer on the pop-up window on the client software to start two-way audio.
  - If the device is added by multiple clients, and when the device is calling the client software, only the first client software added will pop up the call receiving window.

- **Call Center from Device**
  - After adding the device and center on the client software, tap  to call the center. When the center answers the call, you can start two-way audio.

- **Call Device from Client Software**
  - After adding the device to the client software, you can use the Live View page. Right click the live view window and click Start Two-Way Audio to start two-way audio.

- **Call Indoor Station from Device**
  - After adding the device and the indoor station on the client software, link the added user and the added indoor station, and set a room No. for the indoor station.
  - Tap  and enter the room No. and tap  to call the indoor station.

5 Adding Face Information

1. Tap the settings icon at the lower right corner of the initial page and input the activation password to enter the main page.
2. Enter the User Management page, tap  to enter the Add User page.
3. Tap Face and collect the face information according to the instructions.
4. Tap Posture and collect the posture information according to the instructions.
5. Tap the settings icon at the upper right corner of the page to save the collected face picture.
6. Tap or try Again to take another face picture.

**Tips When Collecting/Comparing Face Picture**

**Expression**
- Keep your expression naturally when collecting or comparing face pictures, just like the expression on the picture on the right.
- Do not wear hats, sunglasses, or other accessories that can affect the facial recognition function.
- Do not make your hair color overlay your ears, eyes, etc. and heavy makeup is not allowed.

**Posture**
In order to get a good quality and accurate face picture, position your face looking at the camera when collecting or comparing face pictures.

**Size**
Make sure your face is in the middle of the collecting window.

**Positions When Collecting/Comparing Face Picture (Recommended Distance: 0.5m)**

- **Recommended Height:** 1.4m to 1.9m
- **Too High:** 1.4m to 1.9m
- **Too Low:** 1.4m to 1.9m
- **Too Close:** 0.5m to 1.2m
- **Too Far:** 1.2m to 2.0m

**Warning:** Do not use a device subject to static shock and do not expose it to high electromagnetic radiations. Avoid the equipment installation on vibrations surface or other unstable places. Do not use the device in extremely hot or cold environment.

**Regulatory Information**

FCC Information

This equipment complies with the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference which may cause undesired operation.

The product was designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the equipment is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

RoHS Directive


SAR Information

This product is designed and manufactured not to exceed the limits of exposure to electromagnetic fields. The SAR values for this device were tested using standard operating positions. To maintain compliance with FCC and Industry Canada SAR guidelines:

- Do not place the device in proximity of other radio frequency emitting devices.
- Keep the wireless device away from the body (distance as one body thickness) to meet the energy absorption requirements.
- Use the device only in normal operation modes as described in the user instructions.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.