1 Appearance

2 Installation

Installation Environment:
- Surround the device with a low reflective material to create a low-reflective environment. When you use a reflective material, the device may fail to identify or locate the face properly. When using a highly reflective material, the device is not able to properly detect or align on the face. If the material is too reflective, the device is not able to properly calculate facial features. If the material is too reflective, the device is not able to properly calculate facial features.
- Ensure there is sufficient lighting to the device. The device is not able to properly calculate facial features if the lighting is insufficient.
- Ensure the device has access to a reliable electrical outlet. The device is not able to properly calculate facial features if the device is not able to access a reliable electrical outlet.
- Ensure the device has access to a secure environment. The device is not able to properly calculate facial features if the device is not able to access a secure environment.

Temperature Measurement Environment:
- Ensure the device is not in a high-temperature environment. The device is not able to properly calculate facial features if the device is in a high-temperature environment.
- Ensure the device is not in a low-temperature environment. The device is not able to properly calculate facial features if the device is in a low-temperature environment.
- Ensure the device is not in a high-humidity environment. The device is not able to properly calculate facial features if the device is in a high-humidity environment.
- Ensure the device is not in a low-humidity environment. The device is not able to properly calculate facial features if the device is in a low-humidity environment.

3.1 Device Wiring (Normal)

Steps:
1. Make sure the output of external power supply is 5V (±1V)
2. Drill holes on the wall or other surface and install the gang box.
3. Connect the thermographic module and the main body of the device.
4. Connect the thermographic module and the main body of the device.
5. Align the device with the mounting plate and hang the device on the mounting plate.
6. Make sure the two sheets on each side of the mounting plate have been inserted into the slots at the back of the device.
7. Use 3 supplied screws (SC M4x14 STIP01-SL-A) to secure the device and the mounting plate.

The figures are for reference only.
3.2 Device Wiring (With Secure Door Control Unit)

Here is a diagram showing the wiring terminals for a secure door control unit.

4 Activation

- Power on and wire the network cable after installation. You should activate the device before the first login.
- If the device is not activated yet, it will enter the Activate Device page after powering on.
- 1. Create a password and confirm the password.
- 2. Tap to activate the device.
- Other activation methods, see the device user manual.

5 Temperature Measurement Settings

1. Hold the screen surface and verify the identity to enter the main page.
2. Tap “Temperature” to enter the Temperature Settings page. Configure the parameters.
   - **Enable Temperature Detection:** When enabling the function, the device will authenticate the permissions and at the same time take the temperature. When disabling the device, the device will authenticate the permissions only.
   - **Door Temperature Alarm Threshold:** Edits the threshold according to actual situation. If the detected temperature is higher than the configured one, an alarm will be triggered. By default, the value is 37°C.
   - **Temperature Compensation:** If the measured temperature is higher/lower than the actual-object’s temperature, you can set the compensation percentage here. Available range: 0°C to 95°C.

Door Not Open When Detecting Abnormal Temperature:
When enabling the function, the device will not authenticate the permissions only, but also take the temperature. When disabling the function, the device will authenticate the permissions and at the same time take the temperature. 

- **Unit:** Select a temperature unit according to your preference.
- **Measurement Area Calibration/Measurement Area Settings:** Configure the temperature measurement area and the correction parameters.
- **Black Body Settings:** When enabling the function, you can configure the black body’s parameters, including the distance, and emissivity.

6 Adding Face Information

1. Hold the screen surface and verify the identity to enter the main page.
2. Enter the User Management page, tap to enter the Add User page.
3. Set the user parameters according to actual needs.
4. Tap and collect the face information according to the instructions. You can view the captured picture at the upper right corner of the page.

Make sure the face picture is in good quality and size.

The system can recognize the face of users with different skin colors, including light, medium, and dark tones.

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.
- Do not wear glasses, sunglasses, or other accessories that can affect the facial recognition function.
- Do not make hair cover your eyes, ears, etc. and affect the facial recognition function. Especially in the high-security system, resetting the password (at least eight characters) in order to increase the security of your product.

We highly recommend you create a strong password of your own choosing (a mixture of 8 characters, including at least one number and one special character) in order to increase the security of your product.

Battery Life

- Black Body Settings:
  - When enabling the function, the device will authenticate the permissions and at the same time take the temperature.
  - When disabling the function, the device will authenticate the permissions only, but also take the temperature.
  - **Select a temperature unit according to your preference.**
  - **Measurement Area Calibration/Measurement Area Settings:** Configure the temperature measurement area and the correction parameters.
  - **Black Body Settings:** When enabling the function, you can configure the black body’s parameters, including the distance, and emissivity.

**Tips When Collecting/Comparing Face Picture**

- **Expression:** Keep your expression naturally when collecting or comparing face pictures, just like the expression in 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 cover your eyes, ears, 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.
  - Correct: Tilt × Side × Raise × Bow ×
  - Recommended Height: 1.45m to 1.90m
  - Recommended Width: 0.9m to 1.2m
  - Too Close: 1.4m to 1.6m
  - Too Far: 1.6m to 1.8m

**Size**

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

**Notes**

- Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication methods.

**Regulatory Information**

**FCC Information**

- **Declaration of Conformity:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
  1. This device may not cause interference, and
  2. This device must accept any interference received, including interference that may cause undesired operation.

- **Temperature**: This device is not intended for use as a life support device or in systems in which the failure of the device could lead to a situation where death or serious injury occurs. The device cover shall be kept from rain and moisture. The device cover for indoor use shall not be exposed to direct sunlight, refraction or radiation. Avoid the equipment installation on vibrations surface or places subject to shock or vibration.
- **Power Supply:** Power supply shall be 100~240VAC or 12VDC according to the IEC60950-1 standard. Please refer to technical information for more details. The device cover for indoor use shall be kept from rain and moisture. The device cover for indoor use shall not be exposed to direct sunlight, refraction or radiation. Avoid the equipment installation on vibrations surface or places subject to shock or vibration.

**EU Conformity**

- This product complies with the European Directives. The manufacturer assumes no responsibility for any failure to comply with the instructions for installation, use or maintenance.

- **Regulatory Information:** This equipment should be installed and operated with a minimum distance 20cm between the equipment and receiver. Those who are unsure about the compatibility of the equipment should consult the manufacturer of the equipment.

- **Ports:** Do not use the device in the following conditions:
  - Do not use in an explosive or highly magnetic environment.
  - No water or other liquids are allowed to contact the device.
- **Cautions:** Neglecting any of the cautions may cause injury or equipment damage.
- **Warnings:** Neglecting any of the warnings may cause serious injury or death.

**Environnement**

- **Regulatory Information:** This equipment complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
  1. This device may not cause interference, and
  2. This device must accept any interference received, including interference that may cause undesired operation of the device.

- **Temperature:** This equipment is not intended for use as a life support device or in systems in which the failure of the device could lead to a situation where health or safety is at risk. The device cover shall be kept from rain and moisture. The device cover for indoor use shall not be exposed to direct sunlight, refraction or radiation. Avoid the equipment installation on vibrations surface or places subject to shock or vibration.

- **Power Supply:** Power supply shall be 100~240VAC or 12VDC according to the IEC60950-1 standard. Please refer to technical information for more details. The device cover for indoor use shall be kept from rain and moisture. The device cover for indoor use shall not be exposed to direct sunlight, refraction or radiation. Avoid the equipment installation on vibrations surface or places subject to shock or vibration.