**DS-K1T671TM-3XF**

**Face Recognition Terminal**

Quick Start Guide
UD192868-C

---

### Appearance

- **Thermographic Module**
- **USB Interface**
- **Thermographic Module Interface**
- **Thermographic Module Interface**
- **Wiring Interface (For debugging only)**
- **Debugging Port**
- **Power Interface**
- **Wiring Terminal**
- **Network Interface**
- **PSAM Card Slot (Reserved)**

---

### Installation

#### Installation Environment:
- **Avoid backlit, direct sunlight, and indirect sunlight.**
- **For better recognition, there should be light source in or near the installation environment.**
- **Backlight**
- **Direct Sunlight**
- **Indirect Sunlight Through Window**
- **Close to Light**
- **Direct Sunlight Through Window**

**Steps:**
1. **Make sure the output of external power supply fulfils LPS.**
2. **Drill holes on the wall or other surface and install the gang box.**
3. **Use two supplied screws (4-K4H2+2-SUS) to secure the mounting plate on the gang box.**
4. **Use another 4 supplied screws to secure the mounting plate on the wall.**
5. **Route the cables through the cable hole of the mounting plate, and connect to the corresponding external devices’ cables.**
6. **Align the device with the mounting plate and hang the terminal on the mounting plate.**
7. **Make sure the two sheets on each side of the mounting plate have been in the holes at the back of the device.**

**Temperature Measurement Environment:**
- **Height, away from windows, heat and other external factors, which may cause the actual body temperature to differ from the measured one.**
- **Air temperature:**
- **Sweat:**
- **Air Conditioner (Warm Air):**
- **Air Conditioner (Cool Air):**
- **Indirect Sunlight:**
- **Suitable environments for temperature measurement:**

**Steps:**
1. **Set the output of external power supply to 12 V, 1 A.**
2. **Connect the device to the power supply.**
3. **Connect the device to the network.**
4. **Connect the device to the card reader.**
5. **Connect the device to the magnetic sensor.**
6. **Connect the device to the exit button.**

---

### 3.1 Device Wiring (Normal)

**Power Input**
- **A1 (+) GND**
- **A2 (+) GND**

**Alarm Input**
- **DI 1**
- **DI 2**
- **DI 3**
- **DI 4**
- **DI 5**
- **DI 6**

**Alarm Output**
- **DO 1**
- **DO 2**

**RS-485**
- **TX**
- **RX**

**Wiegand**
- **Wiegand Card Reader**
- **Door Lock**

---

**Notes:**
- Use the external power supply listed in the user manual.
- The suggested external power supply for Wiegand card reader is 12 V, 1 A.
- Do not use the device to the electric supply directly.
### 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 Face and collect the face information according to the instructions. You can view the captured picture at the upper right corner of the page.
5. Tap to save the settings. Go back to the initial page to start authentication.

#### 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 affect the facial recognition function.
- **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.

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

<table>
<thead>
<tr>
<th>Size</th>
<th>Recommended Height: 1.4m to 1.9m</th>
<th>Correct</th>
<th>Too Close</th>
<th>Too Far</th>
</tr>
</thead>
<tbody>
<tr>
<td>Too Close</td>
<td>1.4m</td>
<td>Tilt</td>
<td>X&lt;br&gt;Side</td>
<td>X&lt;br&gt;Raise</td>
</tr>
<tr>
<td>Too Far</td>
<td>1.4m</td>
<td>Correct</td>
<td>Too Close</td>
<td>Too Far</td>
</tr>
</tbody>
</table>

### 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.
3. **Enable Temperature Detection**
   - When enabling the function, the device will activate the permissions and at the same time take the temperature.
   - When disabling the function, the device will deactivate the permissions only.
4. **Over-Temperature Alarm Threshold**
   - Edit 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 37.3°C.
5. **Temperature Compensation**
   - If the measured temperature is higher/lower than the actual-object’s temperature, you can set the compensation temperature here. Available range: -30°C to 30°C.
6. **Door Not Open When Detecting Abnormal Temperature**
   - When enabling the function, the device will not activate the permissions, but only take the temperature. When disabling the function, the device will activate the permissions and at the same time take the temperature.
7. **Measurement Area Only**
   - When enabling the function, the device will not deactivate the permissions, but only take the temperature. When disabling the function, the device will deactivate the permissions and at the same time take the temperature.

#### Black Body Settings

- **Black Body Setting**
  - When enabling the function, you can configure the black-body’s parameters, including the distance, and emissivity.