

# TAURI<sup>TM</sup>

## Version 2.0.0 User Manual

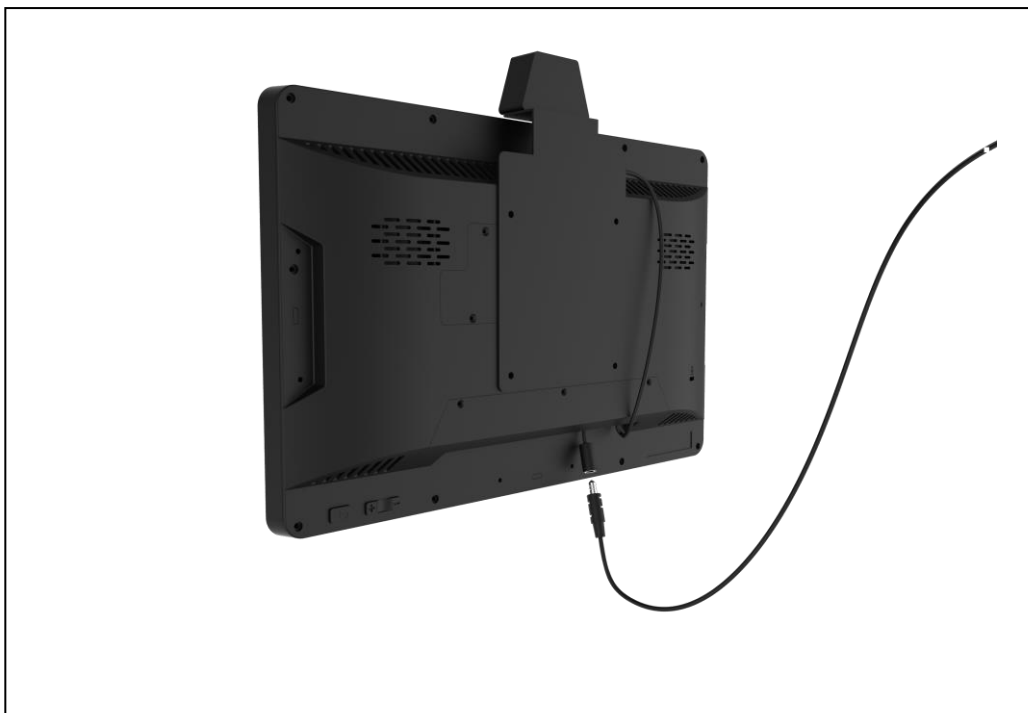
The Tauri Temperature-Check Tablets are designed to detect temperature anomalies. It's important to understand there are many factors, including environmental and physiological that can impact a person's surface temperature reading. Skin surface temperature vs actual core body temperature may differ either way. The Tauri Temperature-Check Tablets must be operated in accordance with the manufacturer's user guide. Tauri Temperature-Check Tablets are not intended nor designed to diagnose or detect medical conditions including, but not limited to, viruses or other illnesses. The Tauri temperature-check tablets should only be used to detect variations in surface temperature. In the event that an elevated skin temperature is detected, the subject should be advised to check temperature with an approved medical thermometer and the finding confirmed. Absence of an elevated skin temperature does not preclude a fever.

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## 1. Power Connection

Connect power-in to the external female power cable of TAURI.



## 2. TAURI Activation

### Please connect Wi-fi before starting set-up

**Disclaimer**

The Tauri Temperature-Check Tablets are designed to detect temperature anomalies. It's important to understand there are many factors, including environmental and physiological that can impact a person's surface temperature reading. Skin surface temperature and actual core body temperature may differ either way.

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**I agree**

#### 2.1 Press “I agree” and start software setup.

**Activation for face detection**

**Console unique identification code**  
TSD04694E69D24F33E403DDA038B8A1033

**Online activation**  
Automatically activate with serial number

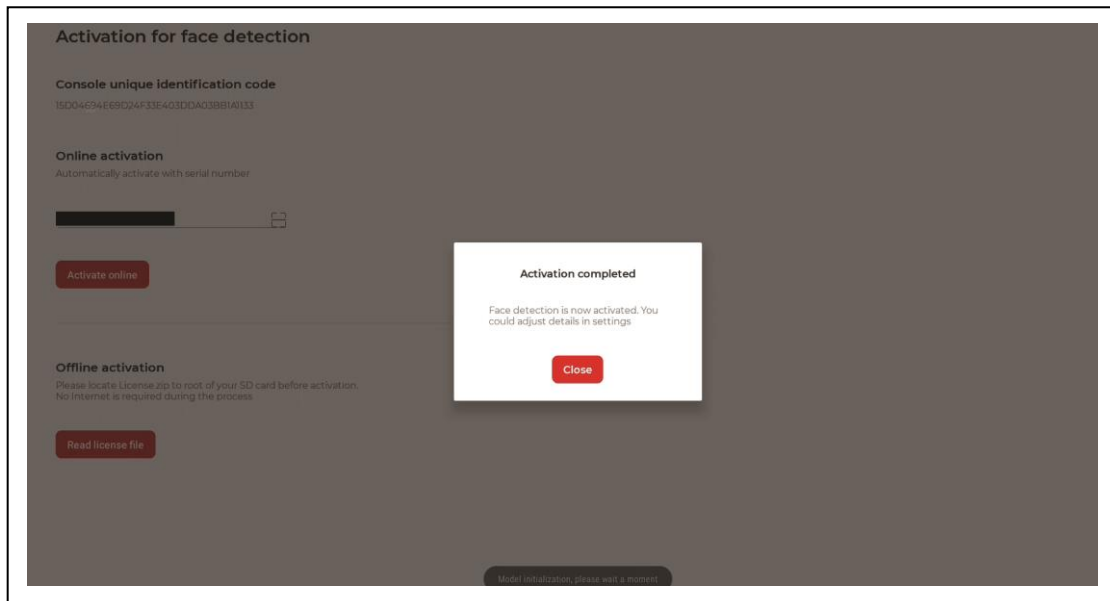
Enter serial number

**Activate online**

**Offline activation**  
Please locate License.rip to root of your SD card before activation.  
No Internet is required during the process.

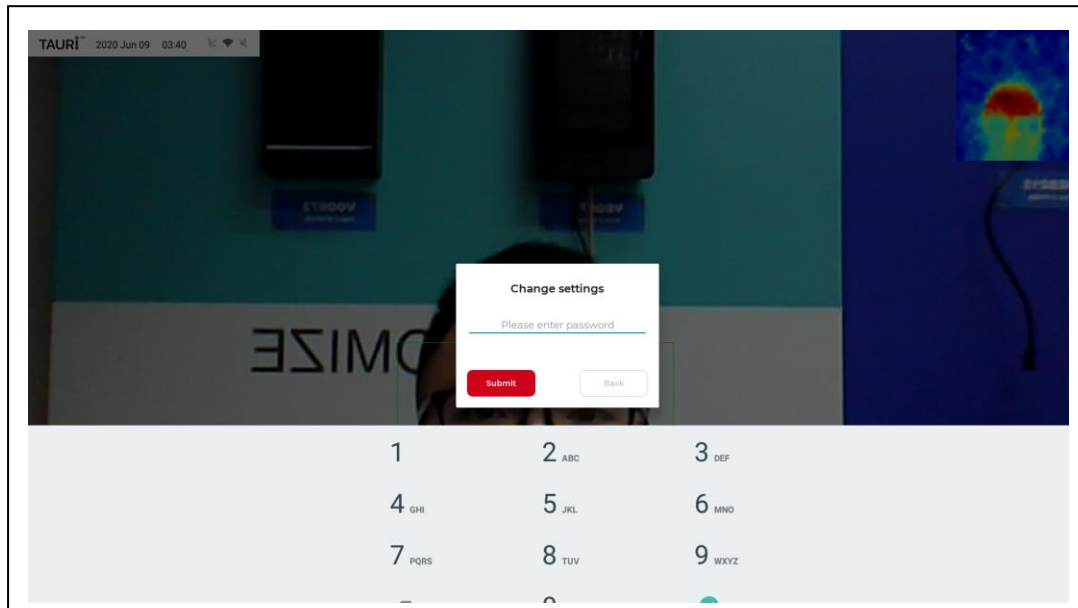
q w e r t y u i o p  
a s d f g h j k l  
z x c v b n m ! ?  
?123 , .

#### 2.2 Enter your **license code** to activate TAURI.



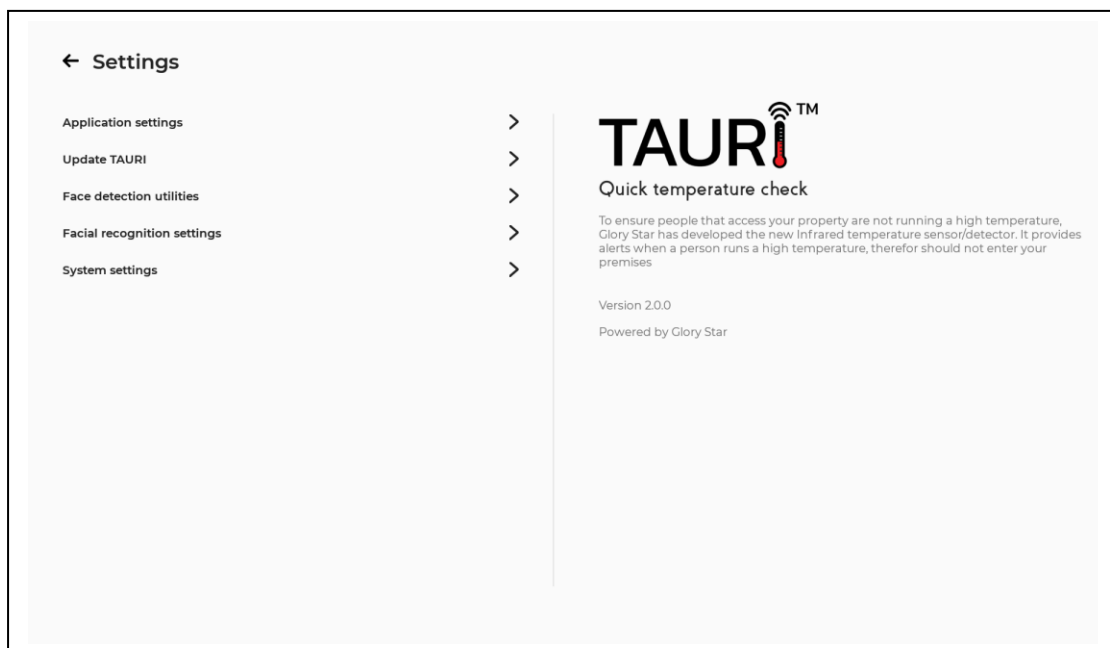
2.3 Successful activation notice shows on screen.

### 3. TAURI Setting



3.1 Tap and hold the screen for **5 seconds** to and it will display “Change settings”.

3.2 Enter “0000” to access TAURI setting

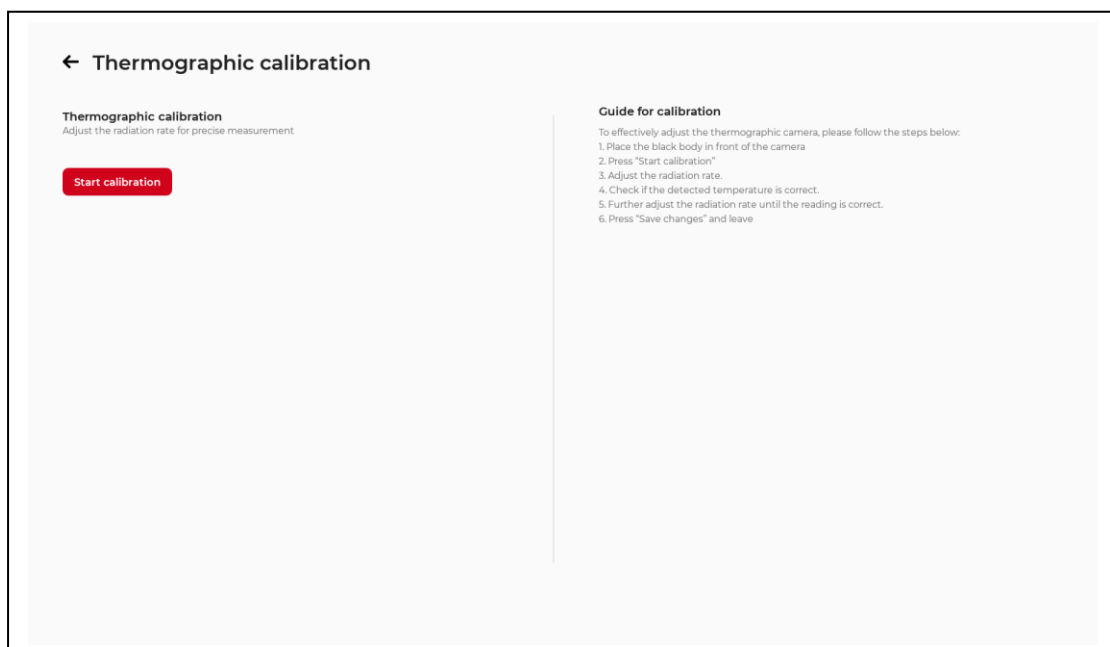


3.3 You may set-up “Application settings”, “Update TAURI”, “Face detection utilities” “Facial recognition settings” and “System settings” after enter set-up mode.

## 4. Thermographic Calibration



4. Thermographic calibration is hidden from the manual for security. **Tap the “TAURI logo” on main setting page 5 times to start calibration.**



← Thermographic calibration

Emissivity

Default value is 950. Increase the value if the measurement is higher than actual value. Reduce the value if the measurement is lower than the actual value.

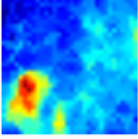
–

950

+

Temperature:

35.7°C



Save changes

Guide for calibration

To effectively adjust the thermographic camera, please follow the steps below:

1. Place the black body in front of the camera

2. Press "Start calibration"

3. Adjust the radiation rate.

4. Check if the detected temperature is correct.

5. Further adjust the radiation rate until the reading is correct.

6. Press "Save changes" and leave

### Steps:

1. Place the black body in front of the camera
2. Press "Start Calibration".
3. Adjust the radiation rate.
4. Check if the detected temperature is correct.
5. Further adjust the radiation rate until the reading is correct.
6. Press "Save changes" and leave.



## 5. Application settings

← Application settings

Acceptable range

Result within this range will be defined as passed

☒ °C
 ☐ °F

From  to

Indication text


Message appearing on results(30 characters maximum)

When within acceptable range

When exceed acceptable range

Volume

Loud of alert sound



Password

Password to enter settings

Save changes

TAURI<sup>TM</sup>

Quick temperature check

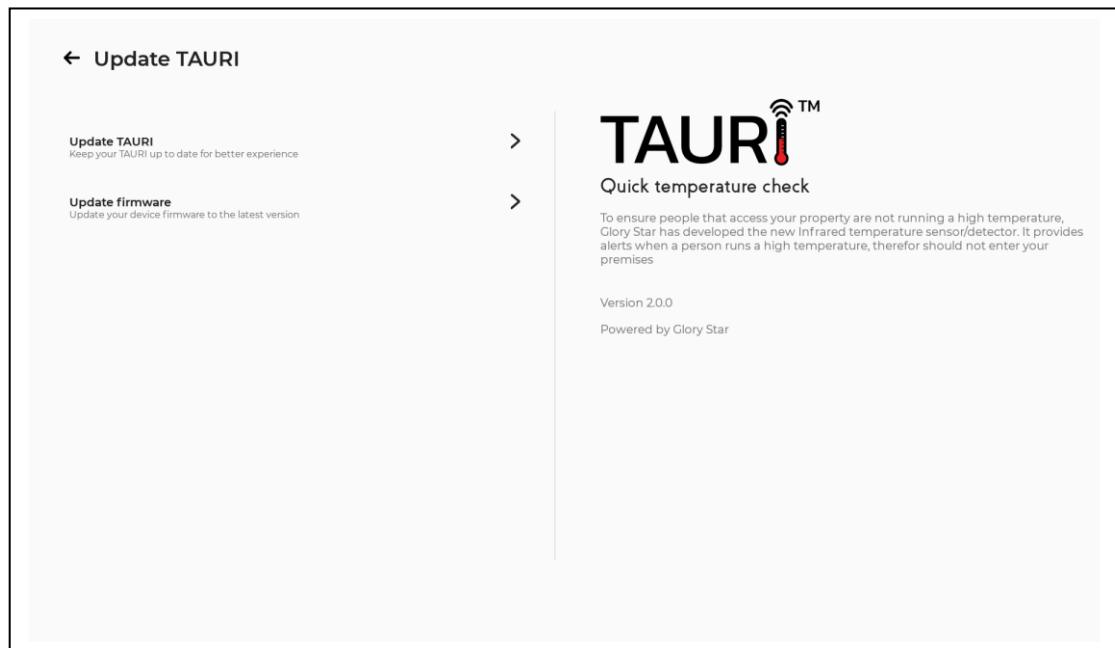
To ensure people that access your property are not running a high temperature, Glory Star has developed the new Infrared temperature sensor/detector. It provides alerts when a person runs a high temperature, therefor should not enter your premises

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5.1 Modify the alert temperature range and the message for both acceptable and exceptional result.

## 6. Update TAURI



6.1 Check latest firmware and TAURI update.  
(Need to connect Wi-fi before checking).

## 7. Face Detection Utilities

← Face detection utilities

**Detection of wearing mask**  
When applicable, camera detects if a person is not wearing a mask and show a reminder on screen


Disable ☒ Enable

Alert message (50 characters maximum)  
Due to public health issue, please wear a mask.

**Record high temperature people**  
When applicable, TAURI makes screen capture to people who is detected to be exceeding acceptable temperature. The screen capture will be sent to a desire email address.

Disable ☐ Enable

Save changes

  
**TAURI**<sup>TM</sup>  
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### 7.1 Enable / Disable detection of face mask.

← Face detection utilities

**Detection of wearing mask**  
When applicable, camera detects if a person is not wearing a mask and show a reminder on screen

Disable ☒ Enable


Alert message (50 characters maximum)  
Due to public health issue, please wear a mask.

**Record high temperature people**  
When applicable, TAURI makes screen capture to people who is detected to be exceeding acceptable temperature. The screen capture will be sent to a desire email address.

Disable ☒ Enable

Receiving email address  
Enter email for receiving captures

Save changes

  
**TAURI**<sup>TM</sup>  
Quick temperature check

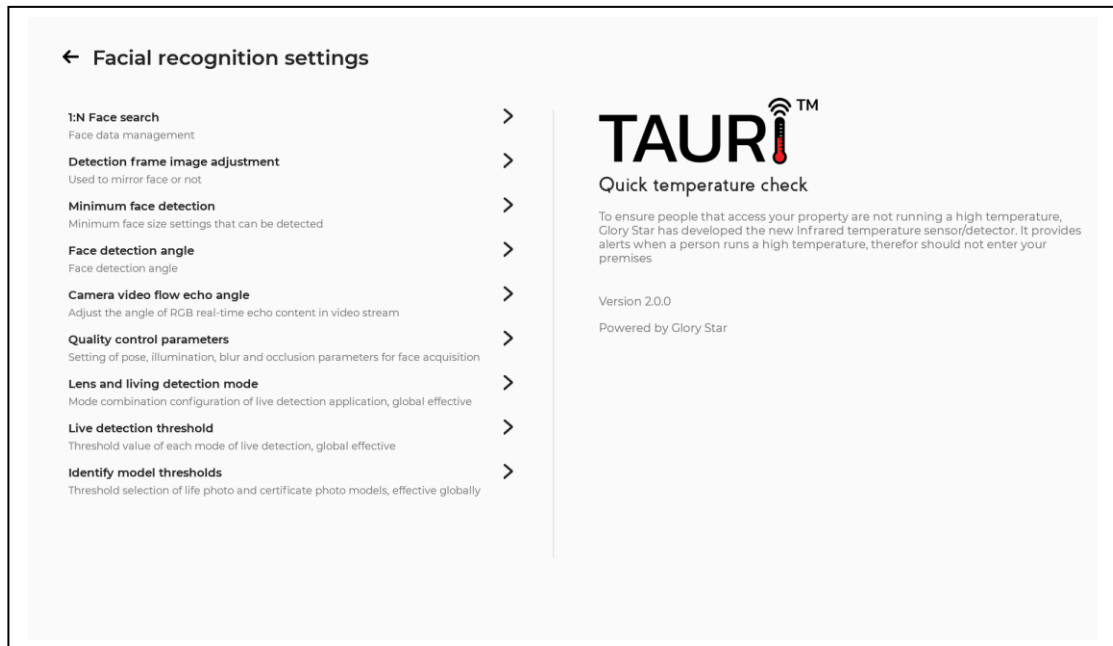
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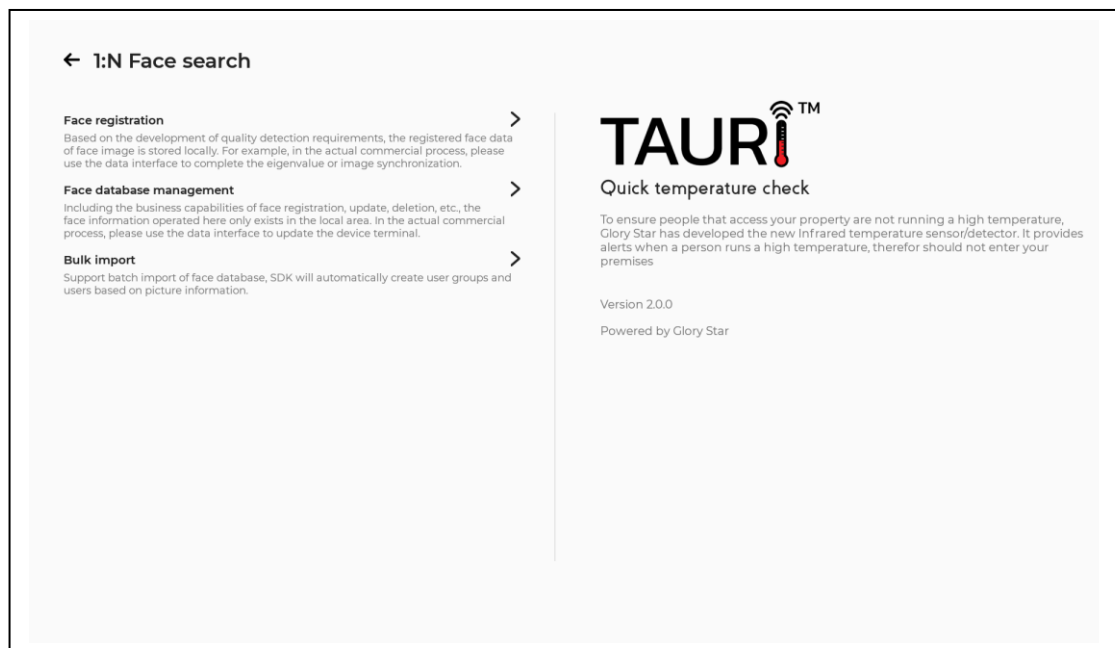
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### 7.2 Set email notification address for sending high temperature alert.

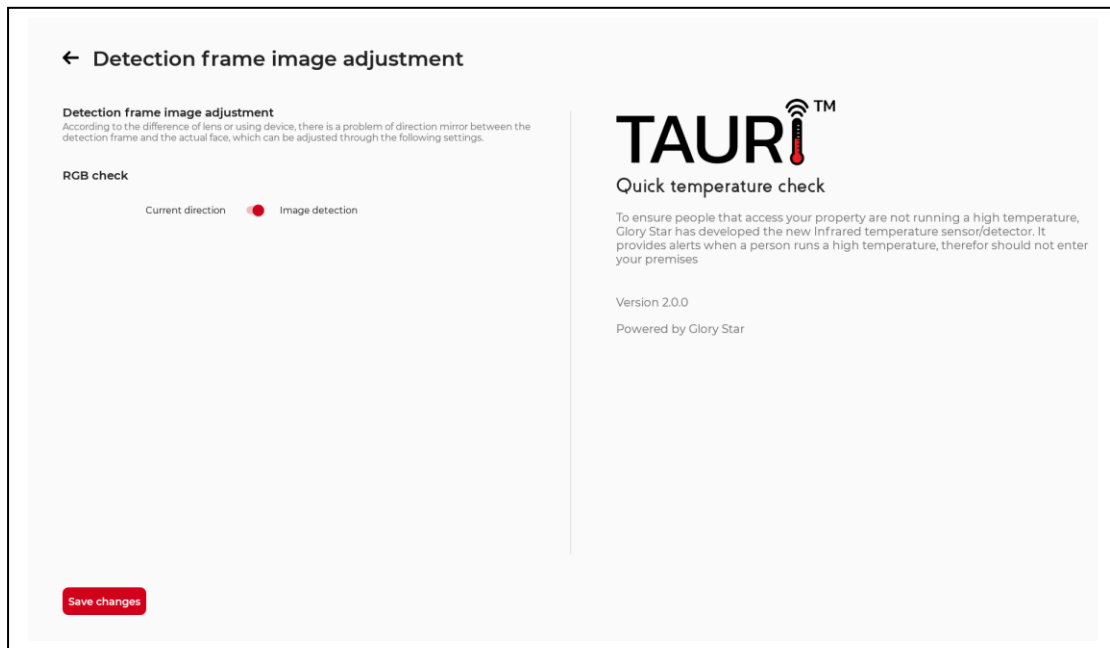
## 8. Facial Recognition Settings



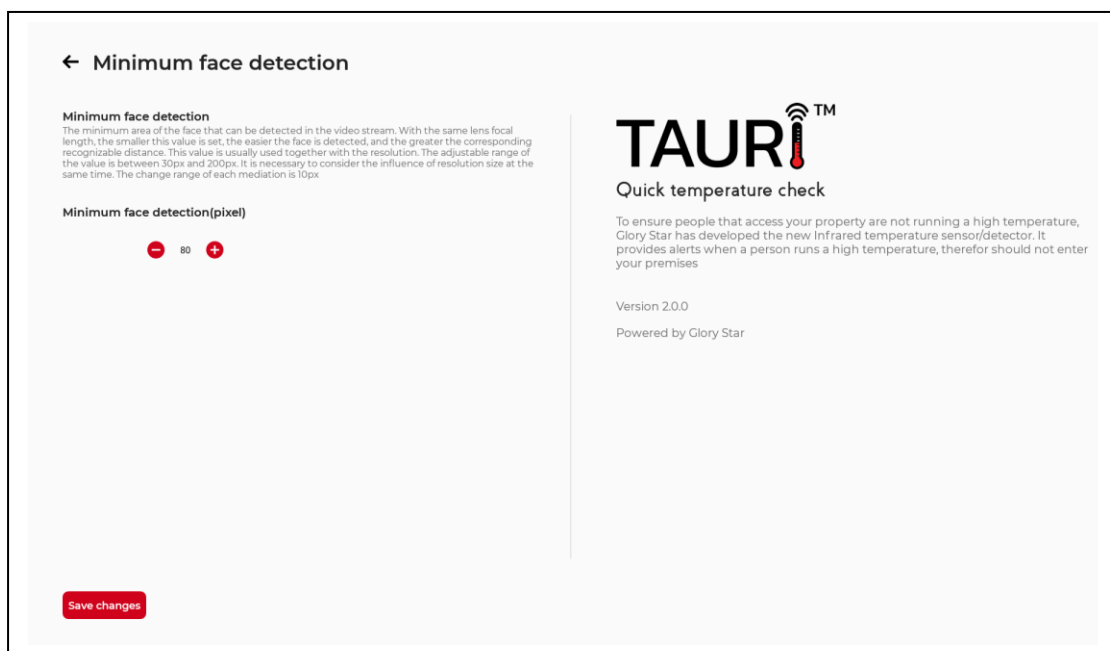
### 8.1 Customize face recognition setting.



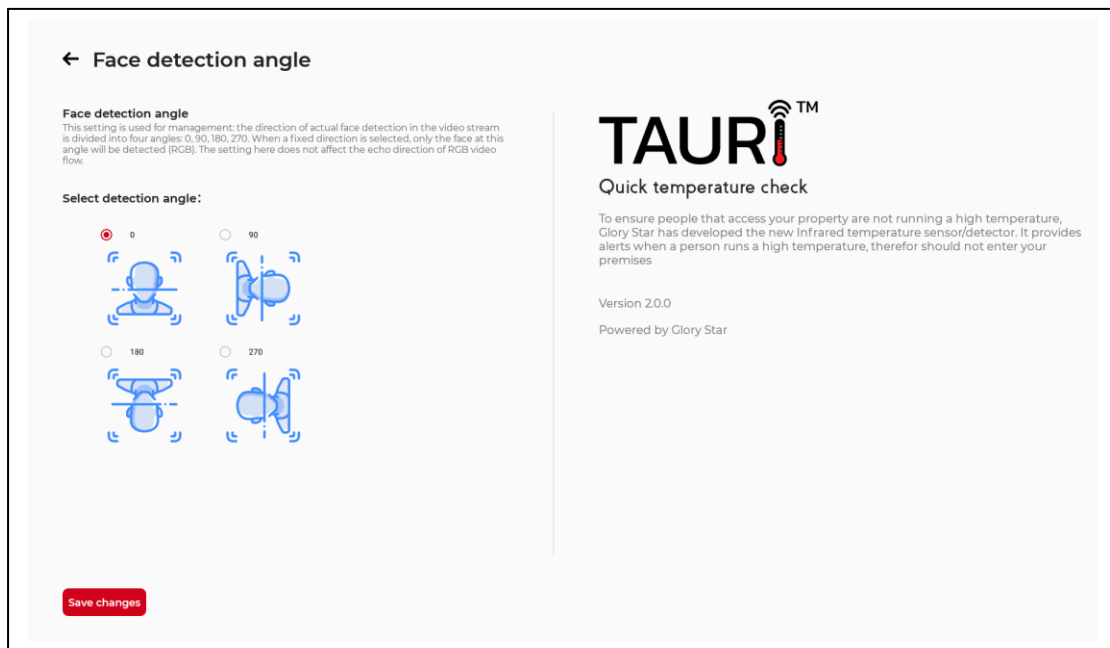
### 8.2 1:N Face search: Register and manage face data.



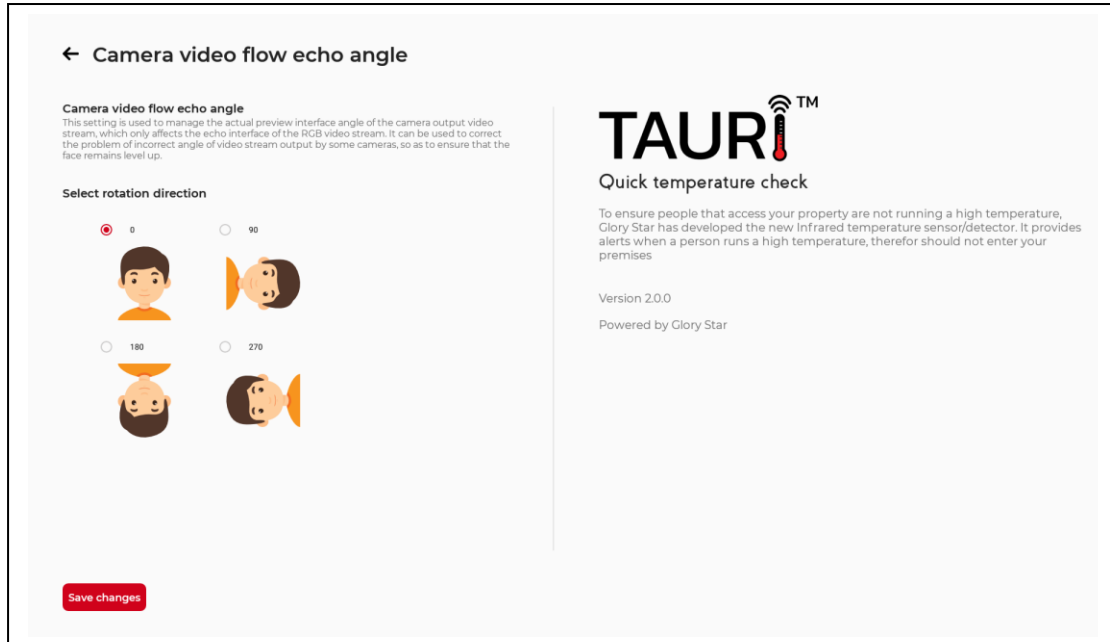
### 8.3 Detection frame image adjustment: Mirror the image shown on screen.



### 8.4 Minimum face detection: Adjust the detect area on the face.



**8.5 Face detection angle:** Adjust the detect angle of the person's face (for the device put in portrait or landscape position).



**8.6 Camera video flow echo angle:** Adjust the image direction of the output video stream.

### ← Quality control parameters

**Quality control parameters**  
In the process of real-time acquisition of effective frames in video stream, only the picture frames whose quality meets the preset conditions can be collected or sent to the living body.

**Whether to open quality inspection**  
After quality detection is turned on, all detection items will be turned on by default, which is used to ensure the real-time face quality of video stream collection and the accuracy of living and recognition.

Disable ☐ Enable ☒

**Gesture**  
The angle of human face in three directions: horizontal rotation, plane rotation and pitch. The smaller the angle is, the more face the collected face faces forward.

- 15 +

**Light**  
Light requirements of face, value range [0 ~ 255], gray value of face light, 0 means bad light. Corresponding to Y component of YUV in SDK.


- 40 +

**Fuzziness**  
The fuzziness range of face image, value range [0-1], 0 is the most clear, 1 is the most fuzzy. According to the requirements of the scene, the value can be reduced to reduce the acquisition of blurred pictures.

- 0.3 +

Left eye

Save changes



### Quick temperature check

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## 8.7 Quality control parameters: Control the quality of the image collected.

### ← Lens and living detection mode

☒ **Do not use live detection**  
Living detection is mainly used to determine whether the user is a real person. However, if there are regular guards in the use scenario, it can be directly collected for human inspection without living body. Because in vivo detection can ensure the safety, but it will affect the passing rate.

☐ **RGB monocular living**  
Using only RGB living (monocular living) can effectively prevent photo remake, screen and other attacks. The front-end acquisition can be USB monocular lens.

Save changes



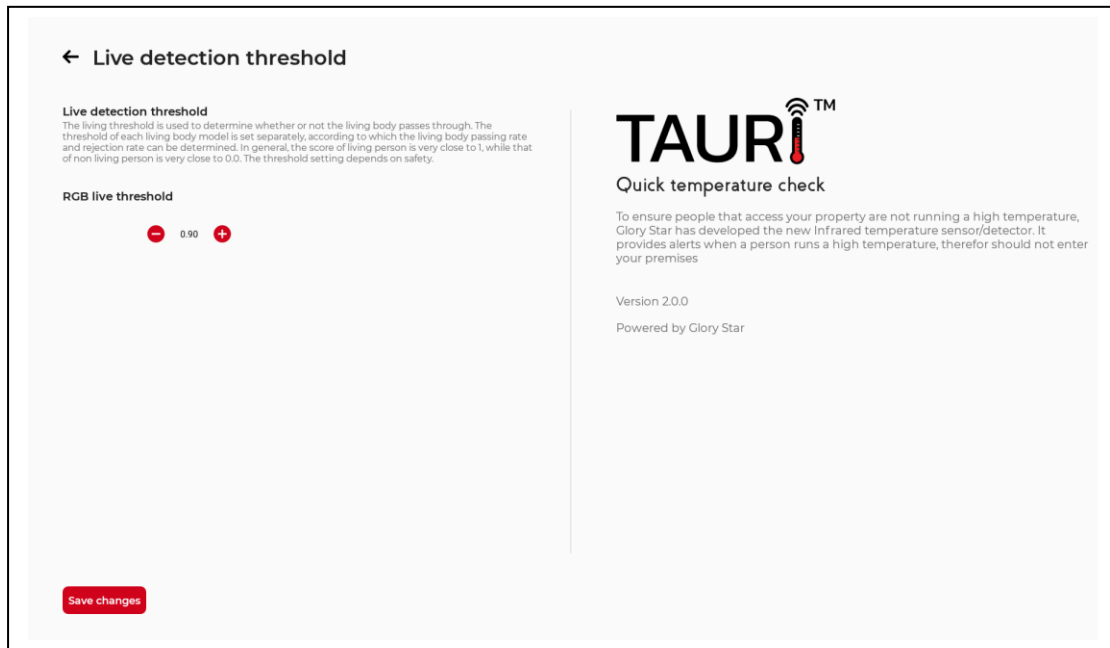
### Quick temperature check

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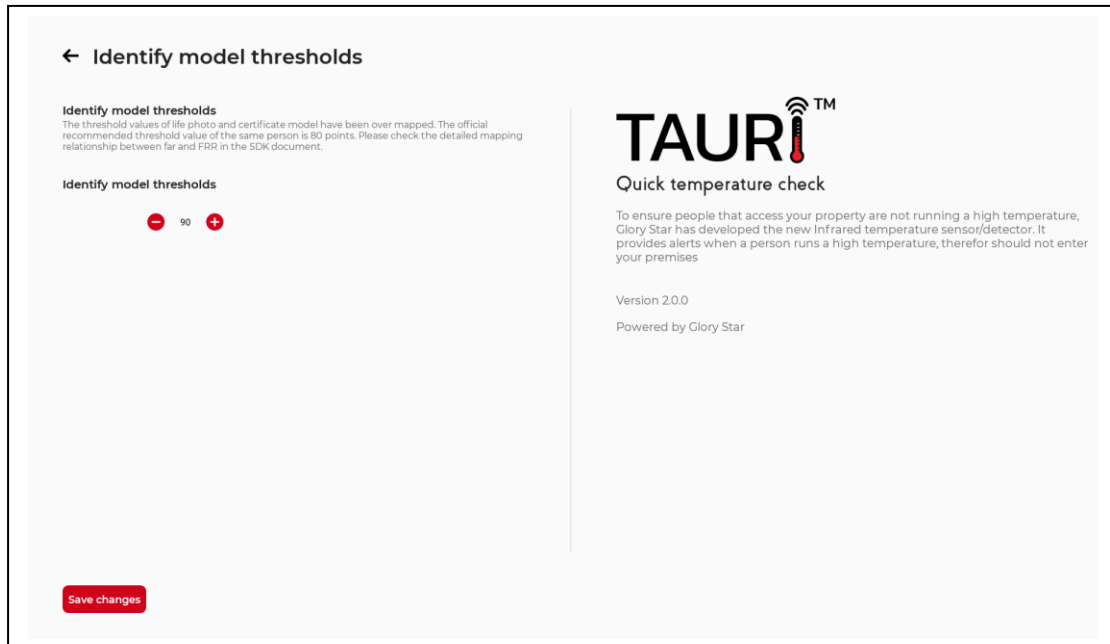
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## 8.8 Lens and living detection mode: To check whether there is a real person or a photo of a person standing in front of TAURI.



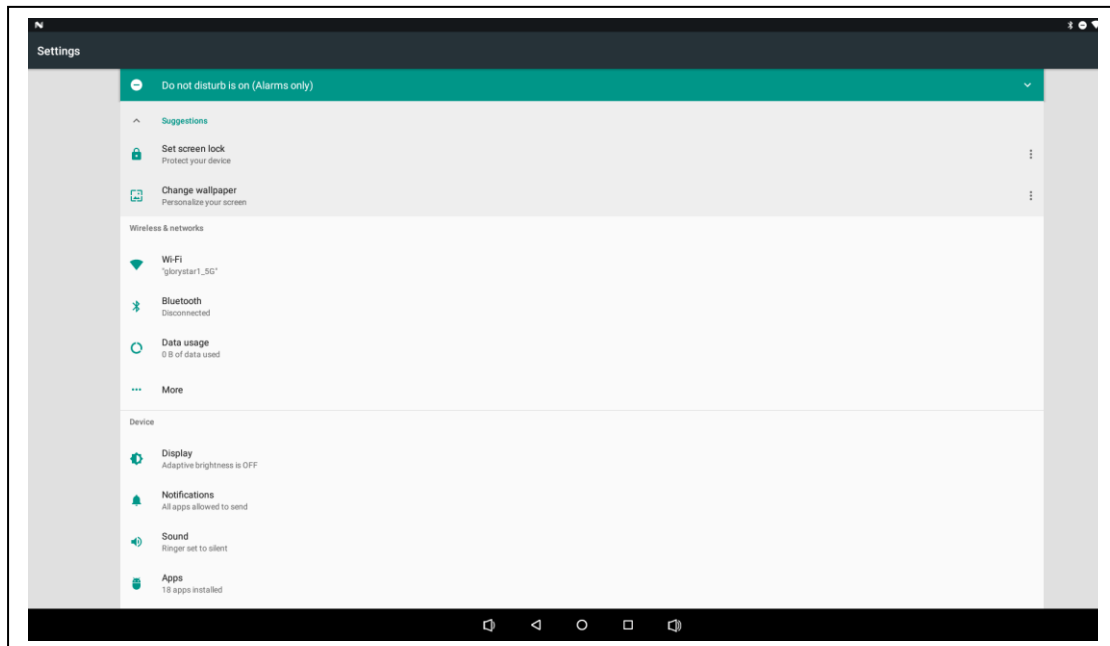
**8.9 Live detection threshold:** Adjust the value to check whether the target object is a living object or not.



**8.10 Identify model thresholds:** Adjust the mapping relationship between far and FRR.



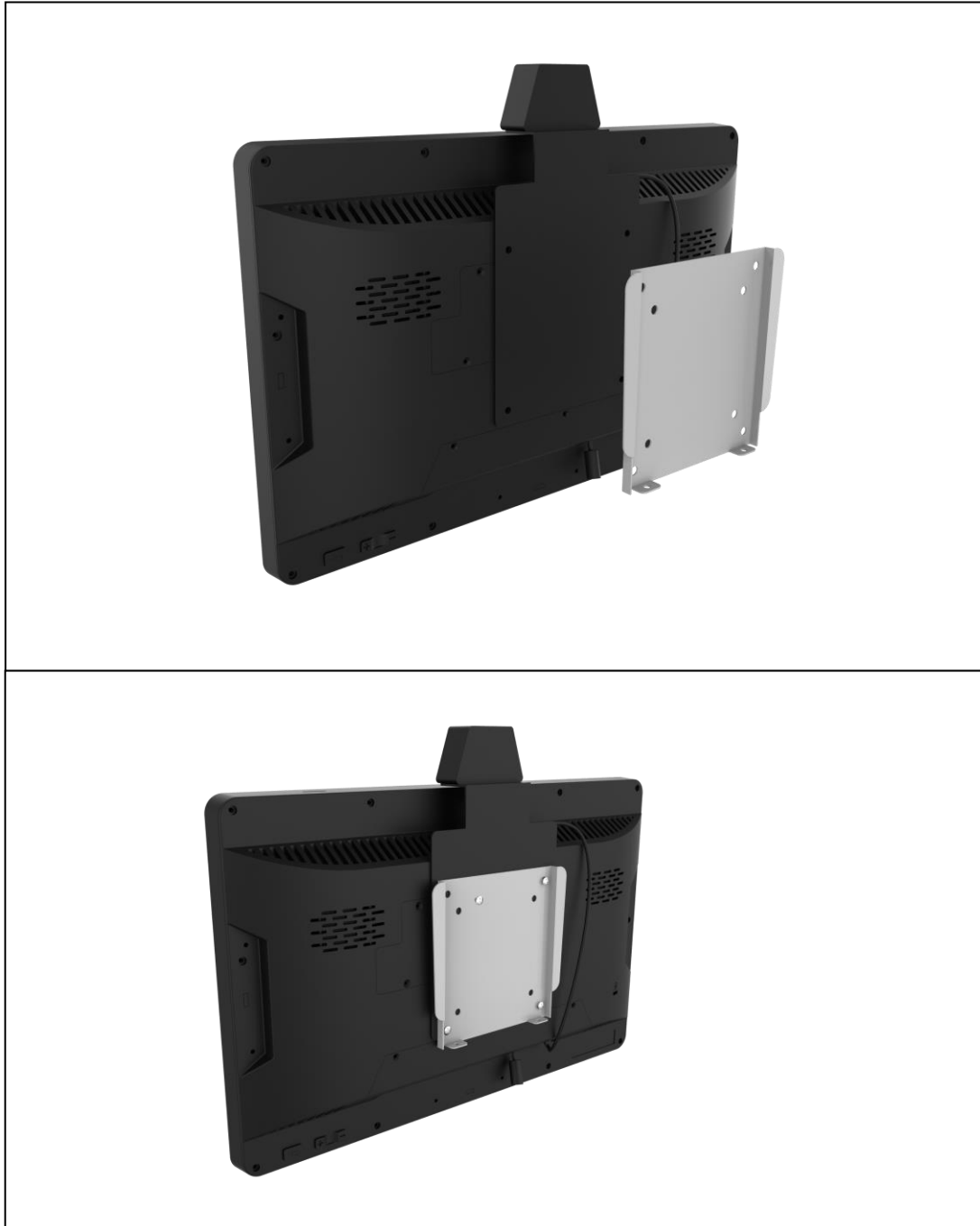
## 9. System Settings



### 9.1 System Settings: Control Wi-fi, bluetooth and other device settings.

## 10. Installation

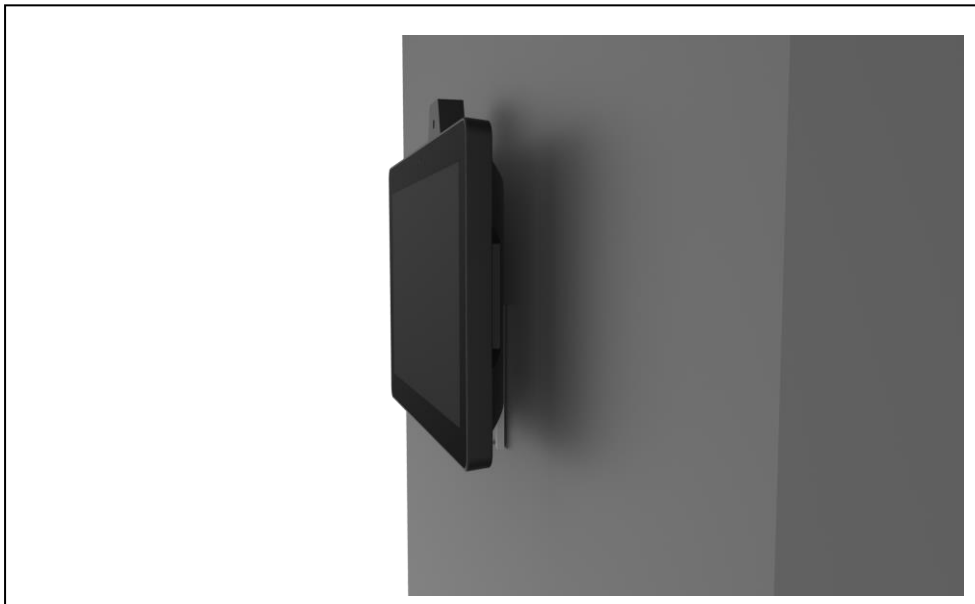
### 10.1 Wall Mount(All sizes)



Install the wall mount to the back of the device and put screws on the 4 holes of the mount aligning to the TAURI's back mount holes.



Install the second part of the wall mount to the wall.



Slide TAURI with the wall mount on to the mount on wall using the hinges at the side of the wall mount.

## 10.2 Table Stand FIX 027 (10" to 21.5"TAURI)



Align the 4 screws holes at the back of TAURI to FIX-027 Table Stand screw positions, and place screws to fixate it.

### 10.3 Table Stand FIX 028 (15" to 21" TAURI)



Align the 4 screws holes at the back of TAURI to FIX-028 Table Stand screw positions, and place screws to fixate it.

## 10.4 Table Stand FIX030(All Sizes)



Aline the 4 screws holes at the back of TAURI to FIX-030 Table Stand screw positions, and place screws to fixate it.

## **TAURI Support**

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