TupuCheck Pro

User Manual

TupuCheck Pro

Face Recognition & Thermometric
Access Control Terminal

Please read this Manual carefully before use.

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Please read this Manual carefully before use.

1-Preface

To ensure safety and prevent any damage, please read this manual carefully before installation and follow the instructions herein. Store this manual in a secure place for future reference.

2-FCC regulations

2AWGCTUPUCHECKPRO This device complies with Part 15 of 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 received, including interference that may cause undesired operation.

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

NOTE:THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT.SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: This equipment has been tested and found to

comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are 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 try to correct the interference by one or more of the followingmeasures:
-- 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 receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile

Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

3-Safety Precautions

2.1 Do not place the device in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation;

2.2 Please use correct power adaptor (ignorance may cause damage to the device);

2.3 The product is for indoor use. The device cover for indoor use shall be kept from water and moisture. If installing the device outdoors, waterproof measures should be taken to keep the raindrop from entering;

2.4 Do not move the device by pulling the power cord or any cable (ignorance may cause the pull off of interfaces);

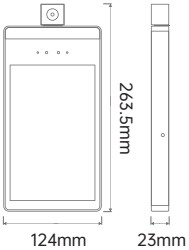
2.5 Do not leave the lens pointed at the sun, lasers or other bright light sources. Intense light may cause the image sensor to deteriorate and damage.

4-Packing List

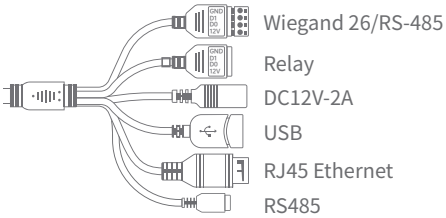
Item	Quantity	Unit
Access Control Terminal	1	set
Wall mounting bracket (optional)	1	set
Turnstile mounting bracket (optional)	1	set

5-Appearance

4.1 Dimension



4.2 Wiring



6-Power Supply

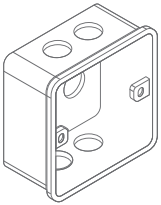
Please use correct power adaptor, DC12V (regulated), to operate this device. The powe tolerance of this unit is DC 12V ± 10% (DC10.8V~13.2V), over maximum DC12V power input may result in the damage of the device.

7-Installation Precautions

7.1 Before installation

① Make sure the device work under stable power supply and network.

② Prepare for a Type 86 Switch Box;



7.2 Position for installation and recognition area:

① Device should be installed 1.5m high, the distance for face recognition is 0.5m-2m, and the optimal distance for temperature measurement is 50cm.

② For the use as access controller, the device should not be installed far from the access.

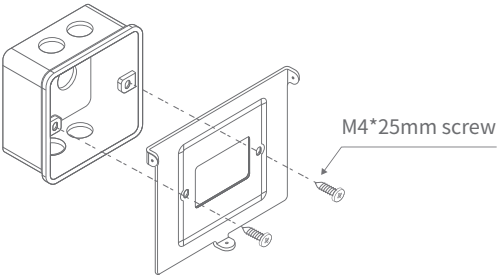
8-Installation Instructions

8.1 Wall mounting

① Install the Type 86 Switch Box 1.5m high on the wall;

② Pull the network cable and power-supply cable into the Type 86 Switch Box (to enable the access control with device, control line also needs to be included)

③ Fix the wall-mounting bracket to the Type 86 Switch Box with 2 M4x25mm screw;



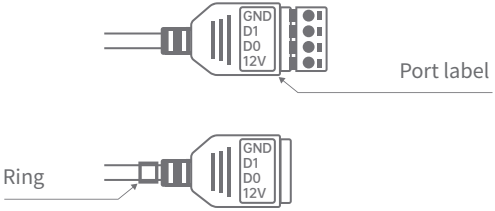
Installatioin of wall mount bracket

④ Connect the network cable to the RJ45 Ethernet interface, connect the power to the DC power supply, (to enable access control system, also need to connect control line for access control to the relay interface), put all the cables into the Switch Box.

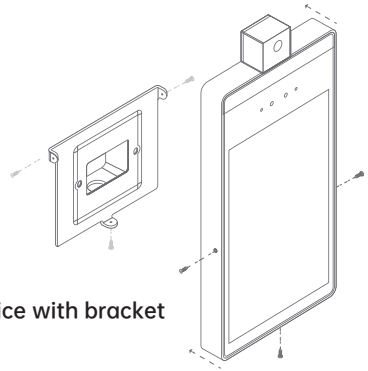
Note: To connect the relay

Option A: Terminal with ring, the port labeled "12V" can be used as NO, and the port labeled "GND" can be used as COM

Option B: Terminal without ring, the port labeled "GND" can be used as COM, and the port labeled "D1" can be used as NO



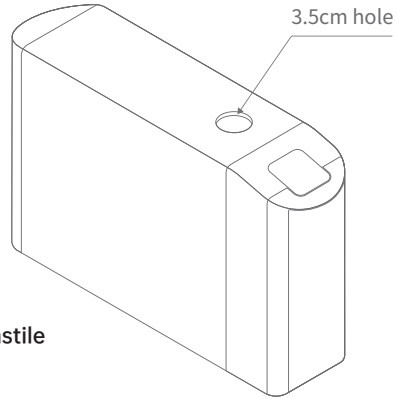
⑤ Insert the main device into the wall-mounting bracket (refer to the solid arrow), and fix the main device with 3 screws (refer to the dotted arrow).



Align the device with bracket

8.2 Turnstile mounting

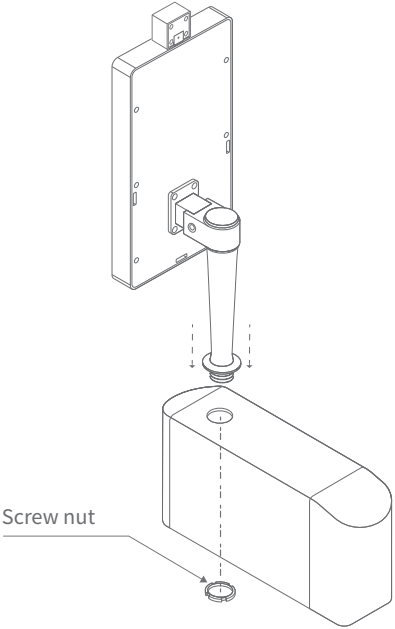
① Drill holes of 3.5cm in diameter on the turnstile's surface;



Turnstile

② Install the turnstile to the designate place and run the network cable and power cable inside the turnstile based on safety standards;

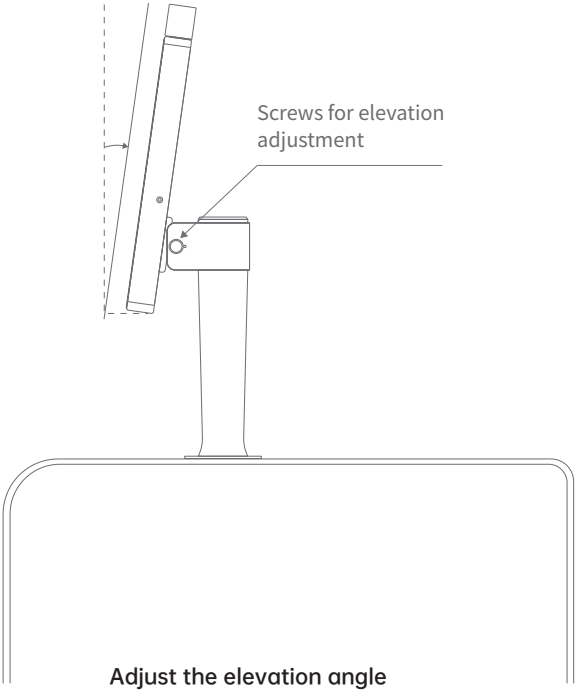
③ Use screw nut to install the device to the turnstile;



Install the device with bracket

④ Connect the network cable to the RJ45 Ethernet interface, connect the power to the DC power supply, connect the delay to delay interface, run all the cables into the turnstile;

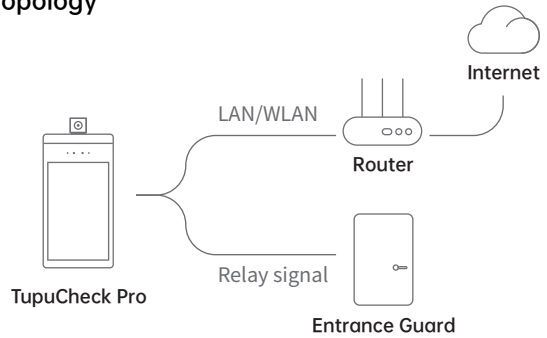
⑤ Adjust the elevation of the bracket for the best angle of recognition.



Adjust the elevation angle

9-Basic Operation

9.1 Topology

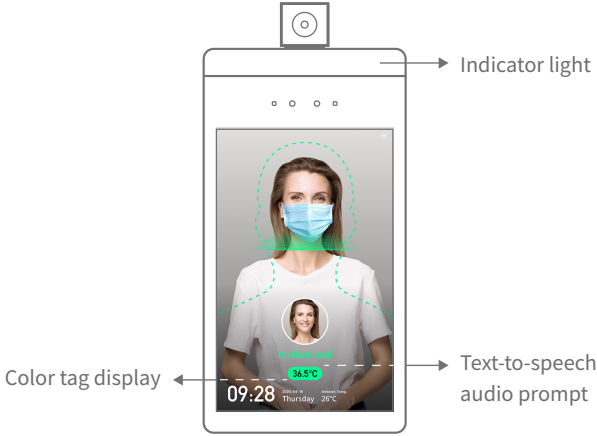


9.2 Staff Recognition & Interface Display

① Interface display for recognized staff

	Text Display	Image Display
Registered Staff	"Recognition success"	Registered image
Unregistered Person	No text	Face detection frame

	Temperature Display	Text-to-speech
Registered Staff	Measured body temperature	"Recognition success" & body temperature readings
Unregistered Person	Measured body temperature	Body temperature readings



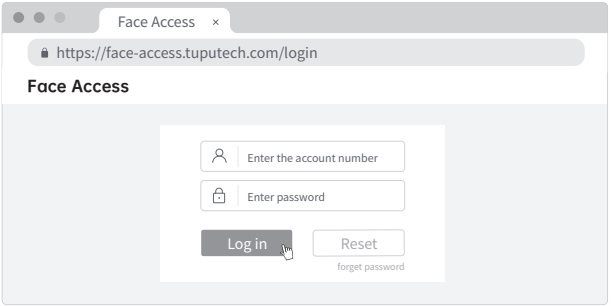
② Interface display for temperature reading

	Color Display	Indicator Light	Text-to-speech prompt
Normal (36℃ - 37.5℃)	Green	Green	"Normal temperature"
Low Fever (37.5℃-38.5℃)	Yellow	Yellow	"Low fever"
High Fever (38.5℃ and above)	Red	Red	"High fever"

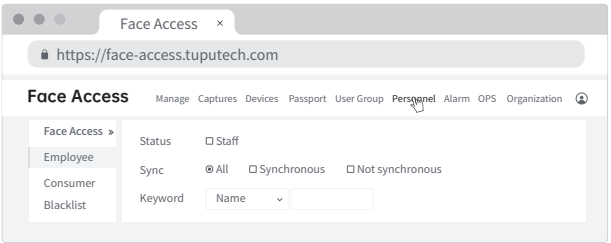
9.3 Personnel Management

Operation by Administrator

Step1: Log in through https://face-access.tuputech.com/login?lang=en with allocated account and password.



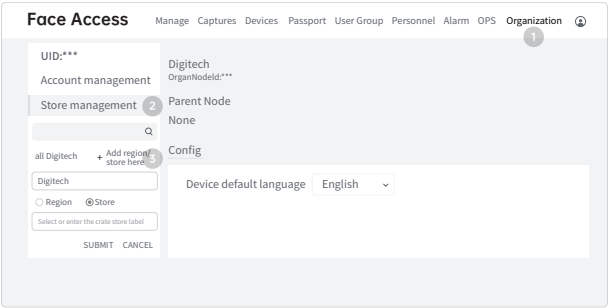
Step2: Click on “Personnel” to the management page.



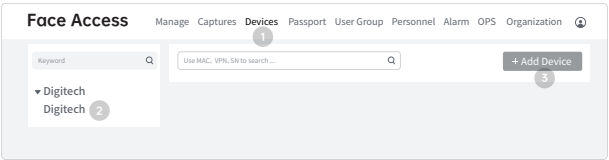
9.4 Add Devices

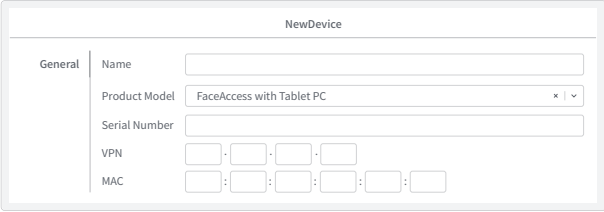
In the “Organization” page, click on “Store Management” . Select the default device language.

Click “Add region/store here”, input a name and set the type as “Store”, then submit

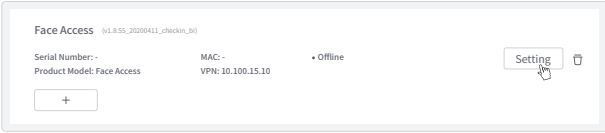


Click button “Devices” for device management. Select the correct store, and click on “Add device”. Set the Product Model as “Face Access with Tablet PC”, fill in the Name in and Serial Number (will be provide along with device), VPN and MAC will be filled automatically. Then click “OK” to submit.

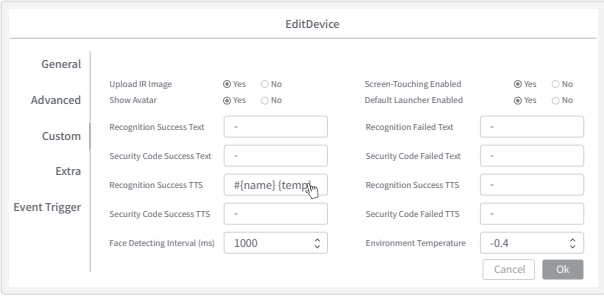




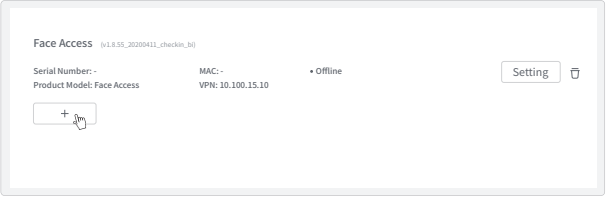
Click “Setting” to set up more details.



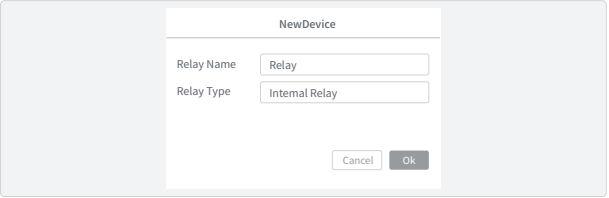
In the “Custom” page, set Recognition Success TTS as “#{name} {temp}”

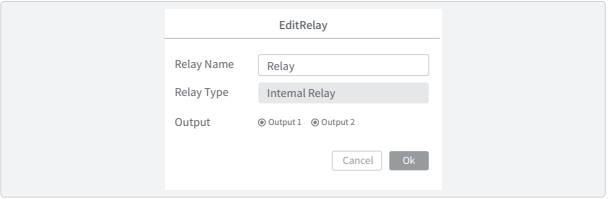


To use device with entrance guard or turnstile, click on the button to set up relay signal output.



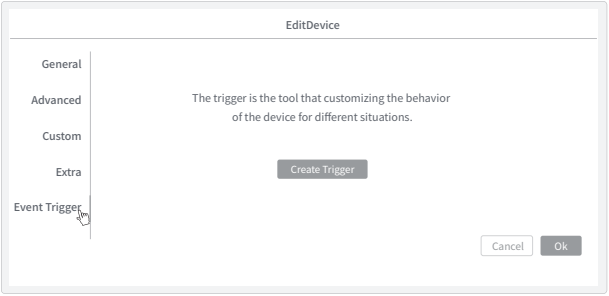
Name it as “Relay and type as ”Internal Relay”, then submit. Click on the relay and navigate to the relay setting page, check for both outputs.





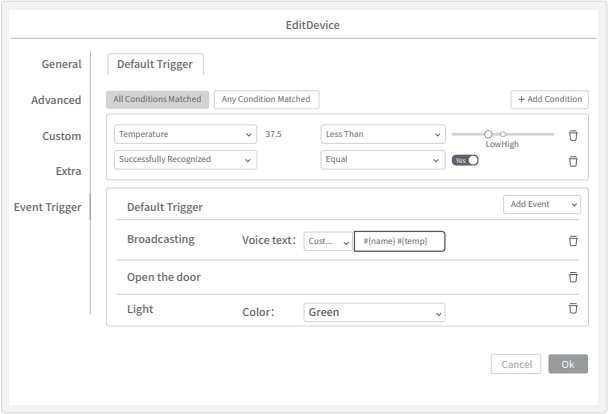
9.5 Set Event Triggers

In the page of "Event Trigger", customer can easily set the conditions and events, to guide the device to have various reaction under different conditions.



Example 1:

Condition:
-Temperature < 37.5℃ and Successfully Recognized
Events:
-Broadcasting: recognized face & measured temperature (Customize the voice text as "#{name} #{temp}")
-Open the door
-Turn on the green light



Example 2:

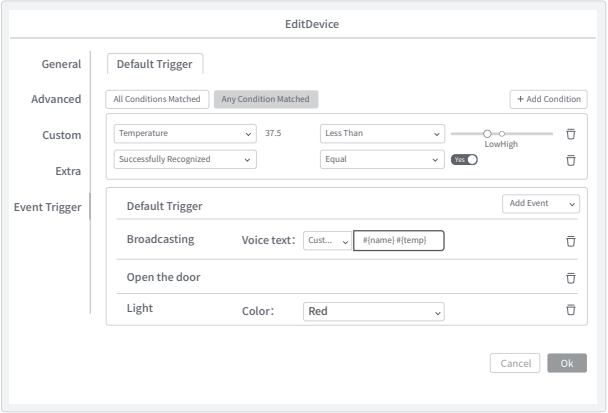
Condition:

-Temperature ⩾ 37.5℃ or Not Successfully Recognized

Events:

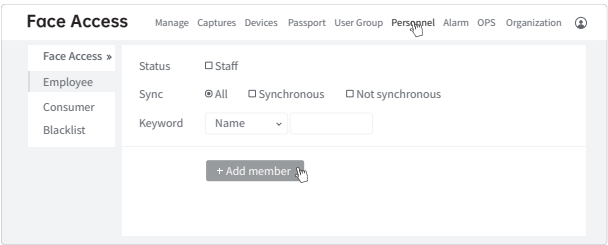
-Broadcasting: recognized face & measured temperature (Customize the voice text as "#{name} #{temp}")

-Turn on the red light

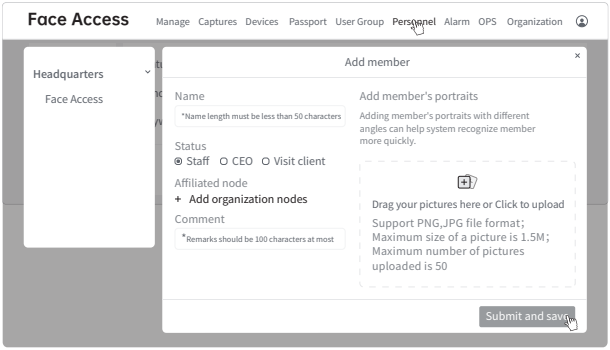


9.6 Add New Members

Step1: Click on the "Add member" button, the "Add member"page will pop up.



Step2: In the “Add member” pop-up page, fill in the fields of “Name”, “Status (Person Type)”, “Affiliated Node”, “Comment”, and upload a photo, then click the button “Submit and save”.



Remark: It’s highly suggested to submit clear full-face photo. If photo. If photo of same person submitted multiple times, there will be message as “Add member fail”

Specification for photo to be uploaded:
-Use life photo
-Unobstructed full-face photo
-Photo not taken by beauty camera
-Not blurry
-Photo for single person
-Not rephotographing of previous picture Size smaller than 1.5M

Sample Photo:

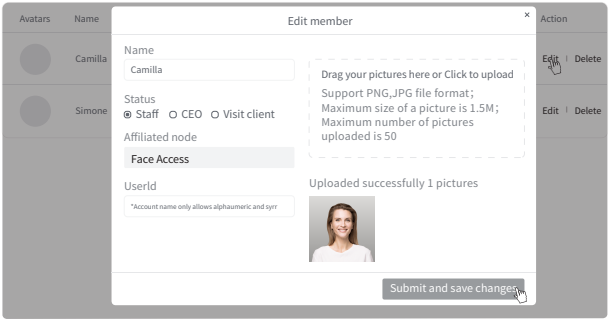
9.7 Delete Members

In the “Personnel” page, click on the “Delete” button for specific person.

Avatars	Name	Attributes	Status	Register time	Comment	Affiliated node	UserId	Action
	Camilla	Female	staff	2020/03/28 11:02:08	-	Headquarters-Face Access	-	Edit | Delete
	Simone	Female	staff	2020/03/28 10:00:02	-	Headquarters-Face Access	-	Edit | Delete

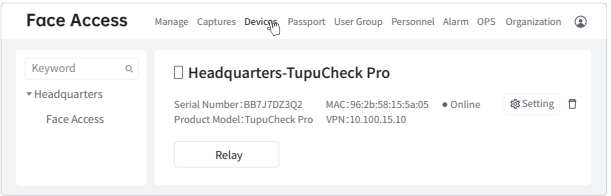
9.8 Edit Members

In the “Personnel” page, click on the “Edit” button for specific person, and modify the fields of Name, Status(Person Type), Affiliated Node, Comment. If there is a need to change the photo, you can delete the previous photo and upload a new photo. After all, click on the “Submit and save changes” button.



9.9 Device Status

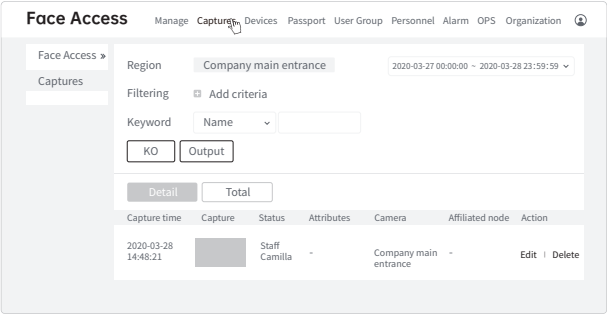
If the device fails, you can check the current device status through the "device"page, to see whether the device is online.



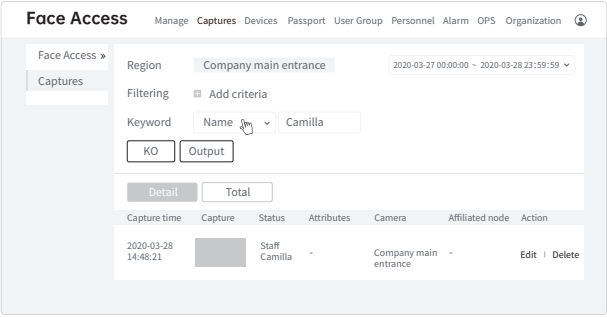
9.10 Capture Record & Report Export

Customer admin and security can view the capture record page. Capture search function supports searching by name and picture ID.

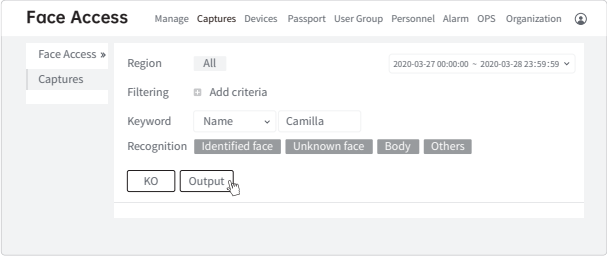
Step1: select captures, select the required region, you can view the records of people in the selected range.



Step2: Select the name or person ID to search, you can view the person's records in the range.

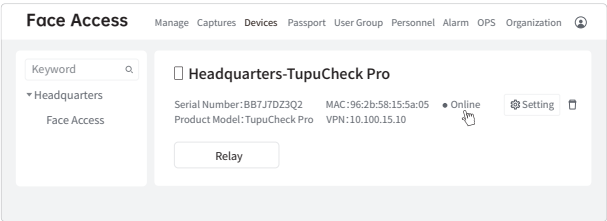


To export the records, you need to select the region and time (exclude current day), and click on "Output" button, then the records will be exported as excel file.



9.11 Common Faults & Solutions

Go the "Devices" page for troubleshooting.



① No captures records

Check the device status. If "Offline" is displayed, you need to check whether the current network environment is normal and determine the connection between

the network environment and the Internet; if "Online" is displayed, you need to restart the device.

② APP: not responding and cannot be recognized
After powering off the device, re-apply power to restart the device. The device restarts normally under the condition of power supply and network and automatically starts the APP.

③ The meaning of the error message.

Error Message	Meaning
No internet. Please check your connection	Check if the network cable is connected correctly
Product is not registered	The web page background is not configured and needs to be configured
MAC address obtained	The factory settings of the equipment are not configured well, and need to be sent back to the manufacturer for repair / engineer's on-site debugging