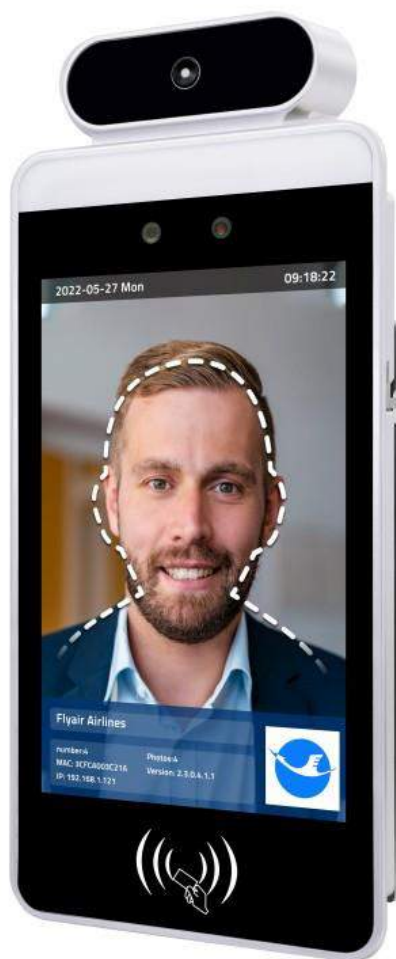


# Facial Recognition Thermometer Display

## *User Manual*



Manual Version FRA1.0

## Safety Instructions



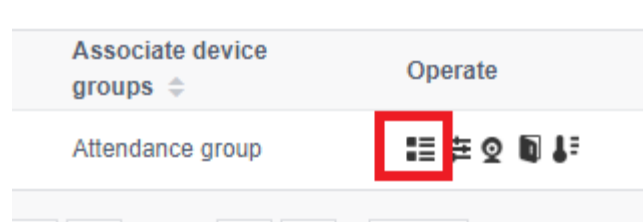
- Please keep the display away from any heat sources. Place the display in a stable and well-ventilated place.
- Please handle with care as product contains glass.
- The holes or openings on the display are designed for ventilation. Do not cover or block the ventilation holes or openings with any objects.
- Remove protective covering from the screen before you use the display.
- Shut off the power supply before cleaning. Use a soft lint-free cloth instead of a tissue to wipe the screen.
- You may use a glass cleaner to clean the product as required. However, never spray the cleaner directly onto the display surface.
- Do not attempt to repair this product yourself! Improper disassembly of the product may invalidate the warranty and lead to possible danger
- If you have a problem that cannot be solved using the "Troubleshooting" guidelines, please contact your supplier.

## Quick Reference Guide

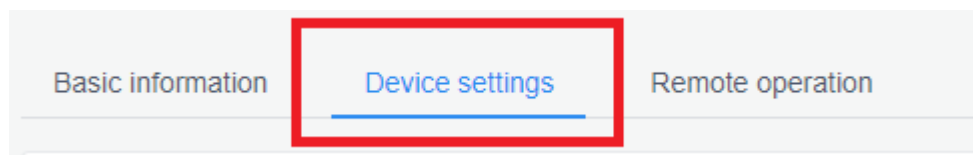
**Note:** This is only for when the screen has already been set up by following the steps outlined in [Section 2. 'Initial Setup'](#).

To control specific functions of the screen, such as the Fan, Mask Detection and Stranger Detection:

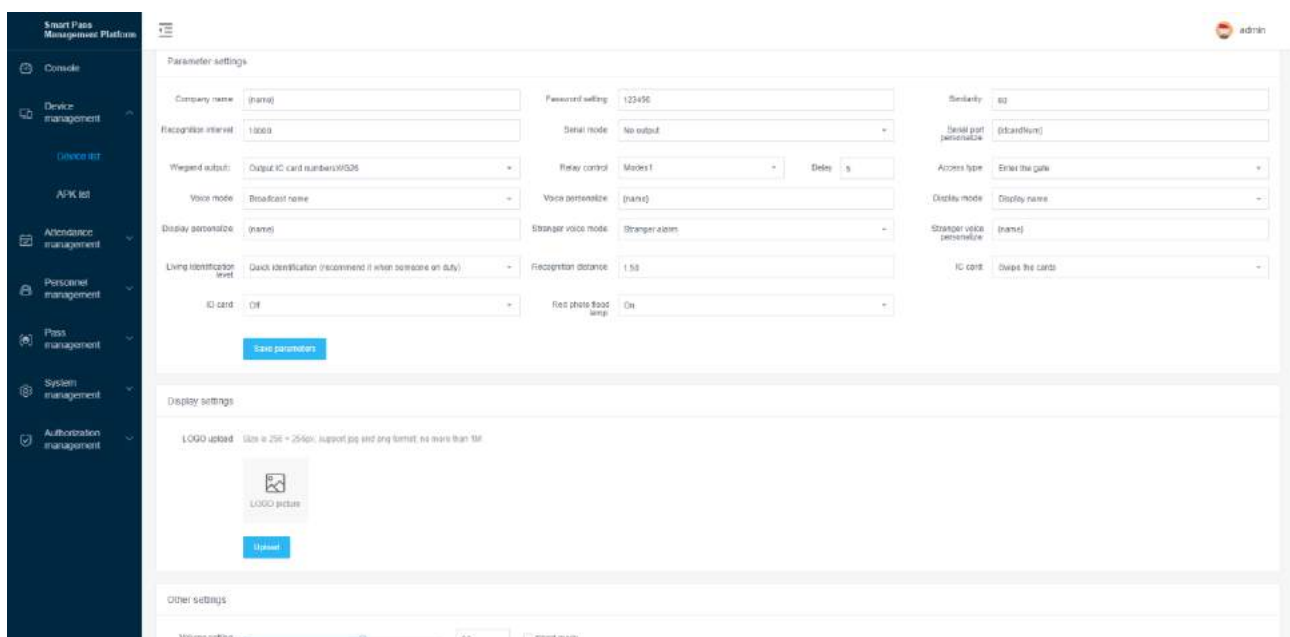
1. Navigate to the “Device List” page under “Device Management”.
2. Click the first icon from the left under the “Operate” section on the right.



3. Click “Device Settings” at the top to open the devices settings.



4. From here, you can adjust everything about the screen in the different sections shown below.



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# 1. Introduction

Congratulations on your purchase of our product. Please read carefully and follow all instructions in the manual before first use.

The product should not be exposed to liquids dripping or splashing and no objects filled with liquids, such as vases, should be placed on the product.

For user convenience, a number of operations can be performed through the remote control.

**Attention:**

1. Do not change any default setting when it is unnecessary.
2. Keep the product far away from water during installation and use.

## 1.1 Box Contents

1x Thermal Facial Recognition Display (8")

1x Power Supply

1x Table Mounting Pole

## 1.2 Product Overview

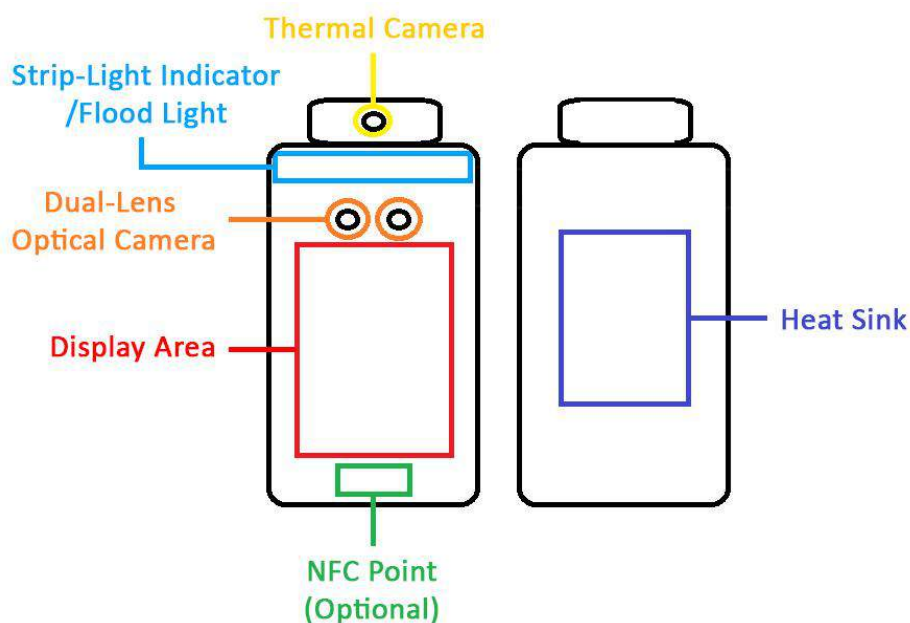


Figure 1. Product Overview

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## 2. Initial Setup

### 2.1 Installing the Server

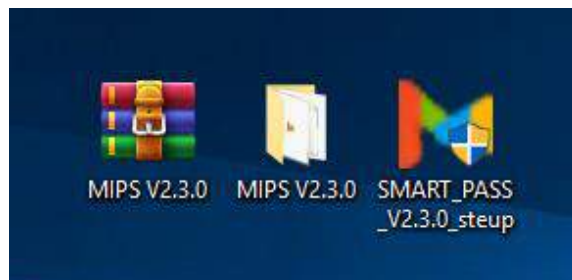
1. Download the necessary files from the following download link:

[https://www.dropbox.com/s/iqwmfgw2kgkjr/SMART\\_PASS\\_setup\\_V2.5.0.0.zip?dl=0](https://www.dropbox.com/s/iqwmfgw2kgkjr/SMART_PASS_setup_V2.5.0.0.zip?dl=0)

2. When you have obtained the zipped folder containing the files you need, extract this onto your desktop.

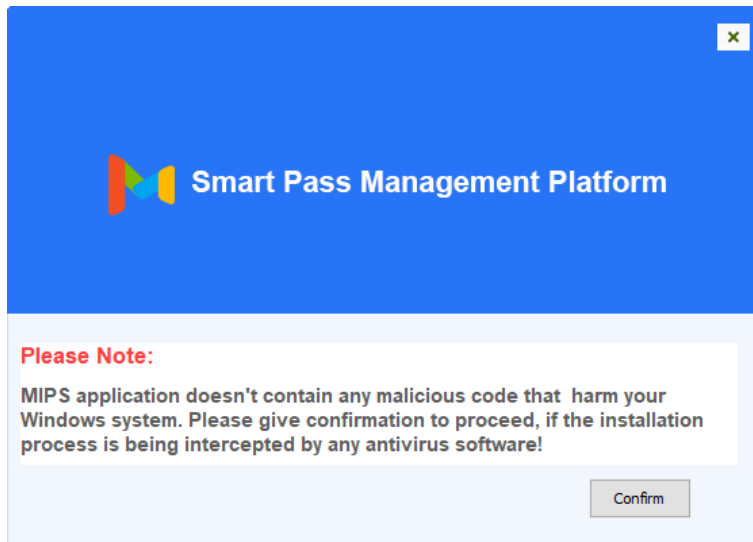


3. Open the extracted folder and move the smart pass setup file to your desktop.

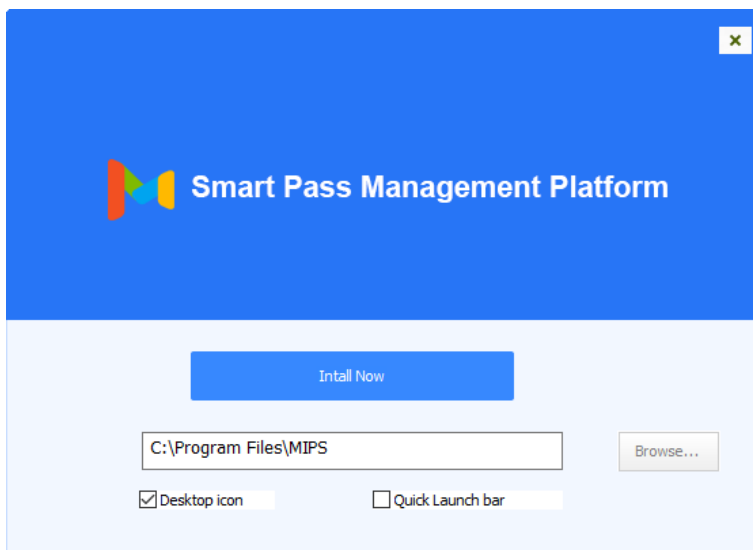


4. A warning will appear when trying to open the setup file. Click "OK" to begin the setup.

5. Double click the setup application, then click “Confirm” to begin the installation process.

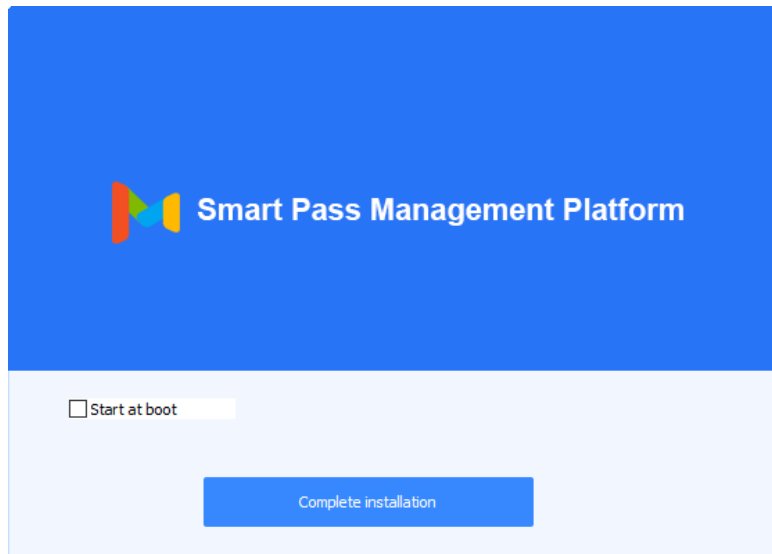


6. Select the installation folder (it is recommended to leave this to the default location) and click “Install Now”.

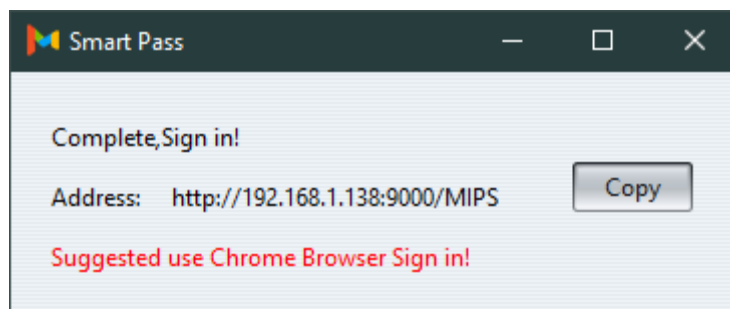




7. After this has finishing installing, the finished installation screen will appear.



8. If you created the desktop icon when installing, open the application shortcut it created. It will ask you to confirm if you want to open it, and then give you a URL.



**Note: We recommend setting a Static IP for the PC/Laptop that will be running this server.**

9. Copy this URL into your Browser (Google Chrome is recommended for this). Keep this window open, as this will be needed to set the screen up also.

Your login details by default are:

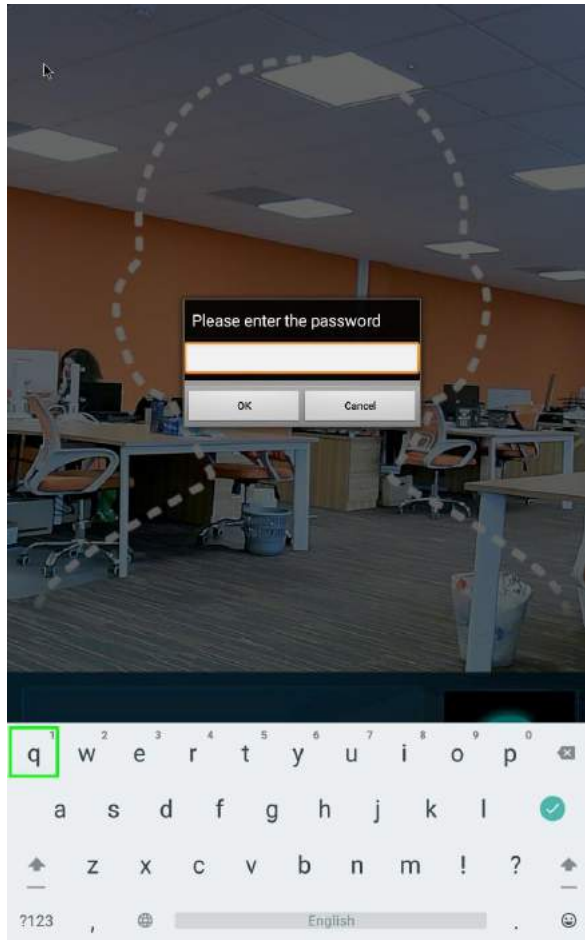
**Username: admin**

**Password: 123456**

Your password can be changed upon logging in.

## 2.2 Connecting the Screen to the Server

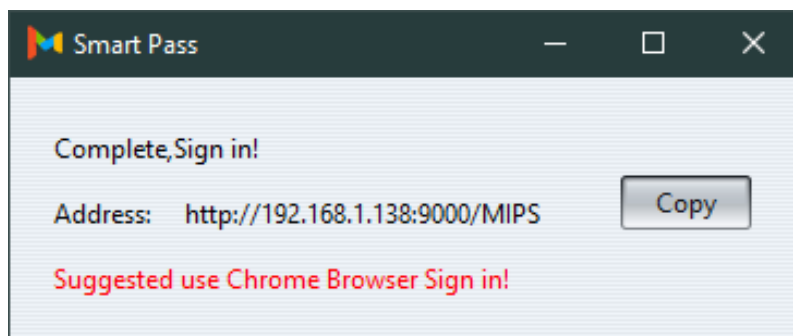
1. Insert a USB mouse into one of the screen's USB ports and then click the middle mouse button to attempt to access the setup menu. The default password for this is "123456". You can use the mouse to input this on the on-screen keyboard.

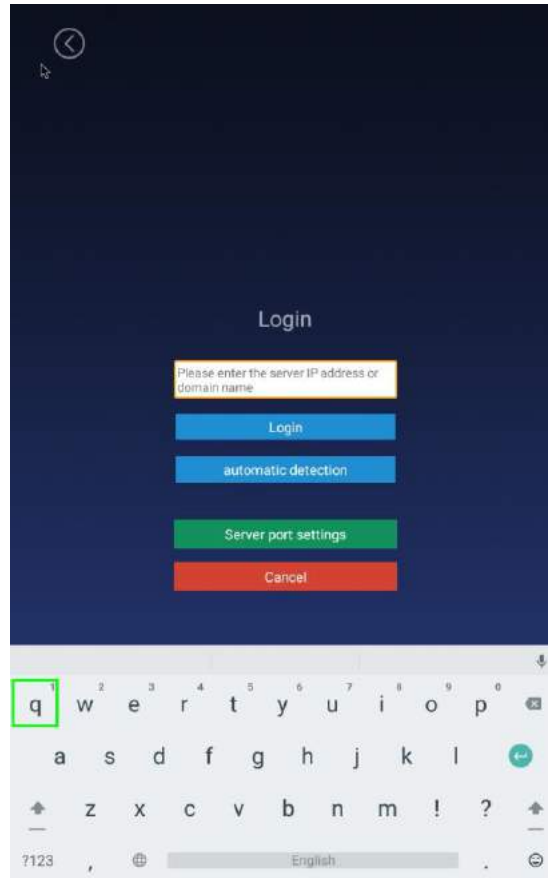


2. Once you have successfully accessed the setup menu, you need to click "Login Management" to begin connecting.



3. You can then insert the IP address that was given to you in the little window upon opening the application. This will be in the format of "192.168.\*.\*", without the part after the colon.





4. After you get the message to say this is connected, you can now right click until back onto the main page of the application that scans for faces. This will now be connected and set up by using your PC/Laptop as the server and connecting the screen to that server via the Local IP address.

Note: In order for the screen to connect to the server, both; web service port (9000) and message service port (7788) need to be opened. You can do this by contacting your network administrator or ISP

### 2.2.1 Hardware Overview – Connectivity Interface

The screen also features a set of extra connectors, including:

- 1x Wiegand In – For ticketing systems
- 1x Wiegand Out – For ticketing systems
- 1x Relay – For control over larger electrical functions, such as electric doors
- 1x RS232 – For controlling the display itself via RS232 commands
- 1x USB OTG – Both a standard USB and the one you will use for firmware upgrades
- 1x UBOOT – Used in the process of firmware upgrades
- 1x USB Host – For connecting standard USB devices
- 1x Ethernet – For connecting over LAN
- 1x DC 12v – To power the screen

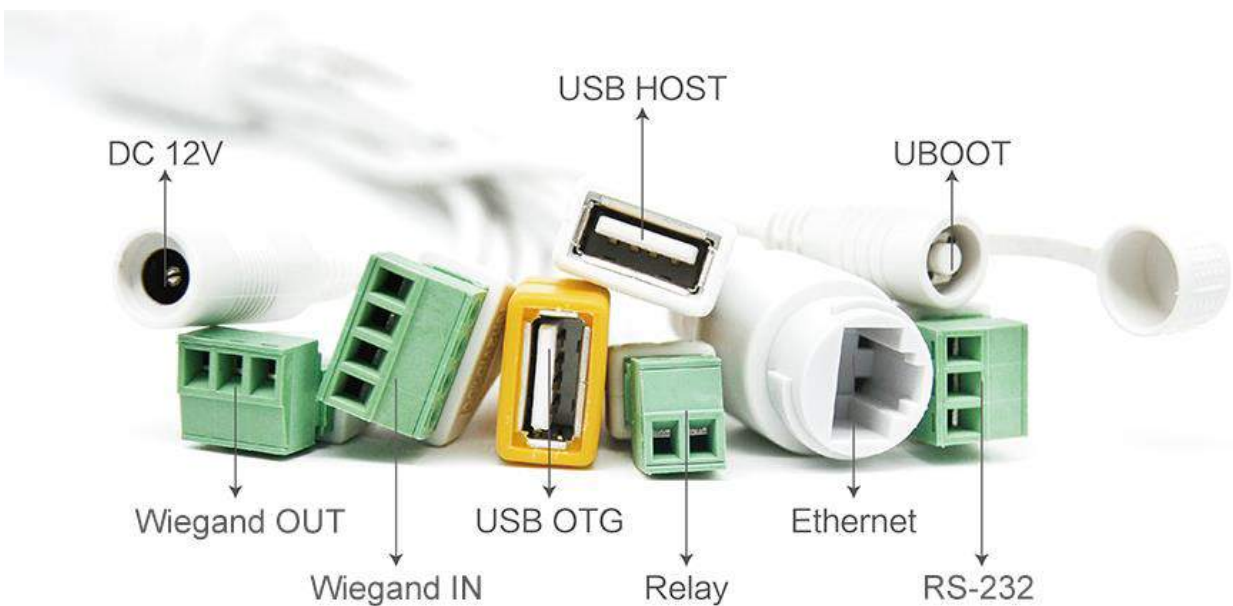
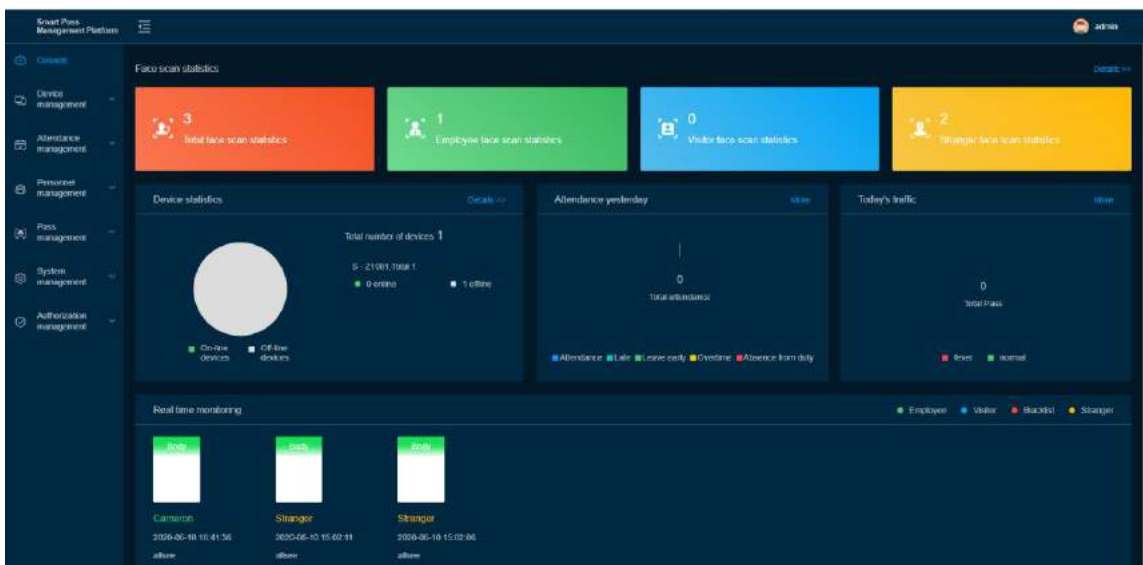


Figure 2. External Connectors

## 3. Server Operation

### 3.1 Console

The Console page defines the core statistics of the server, which are elaborated on in the other pages of the server. This will show you the amount of passes from the screen, as well as the temperature category, and previews of the passes below.

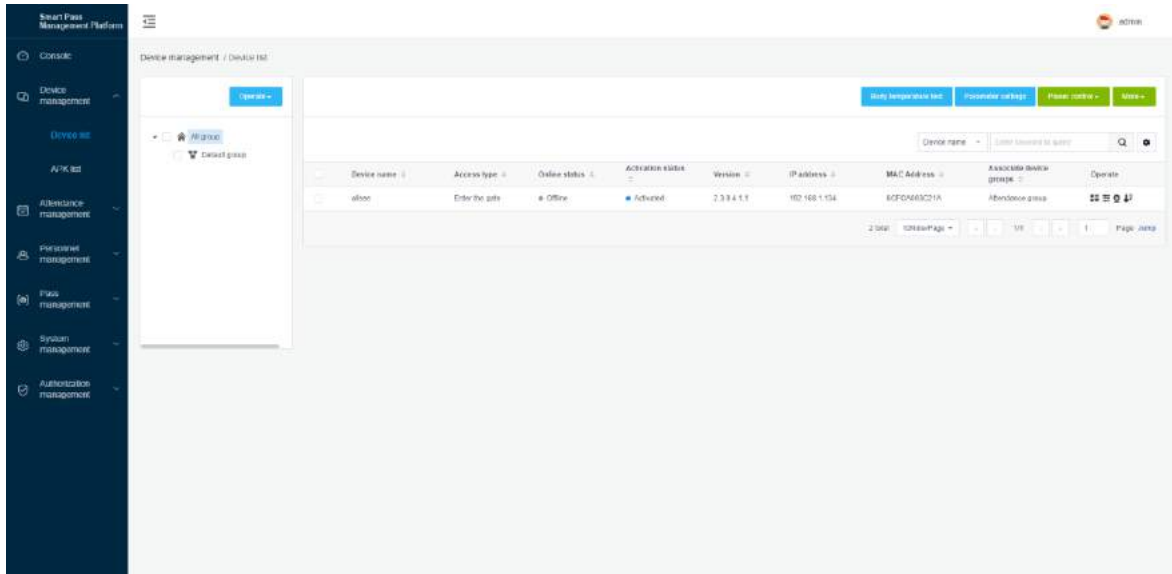


### 3.2 Device Management

The Device Management section allows monitoring and control of the screens that are currently set to your server.

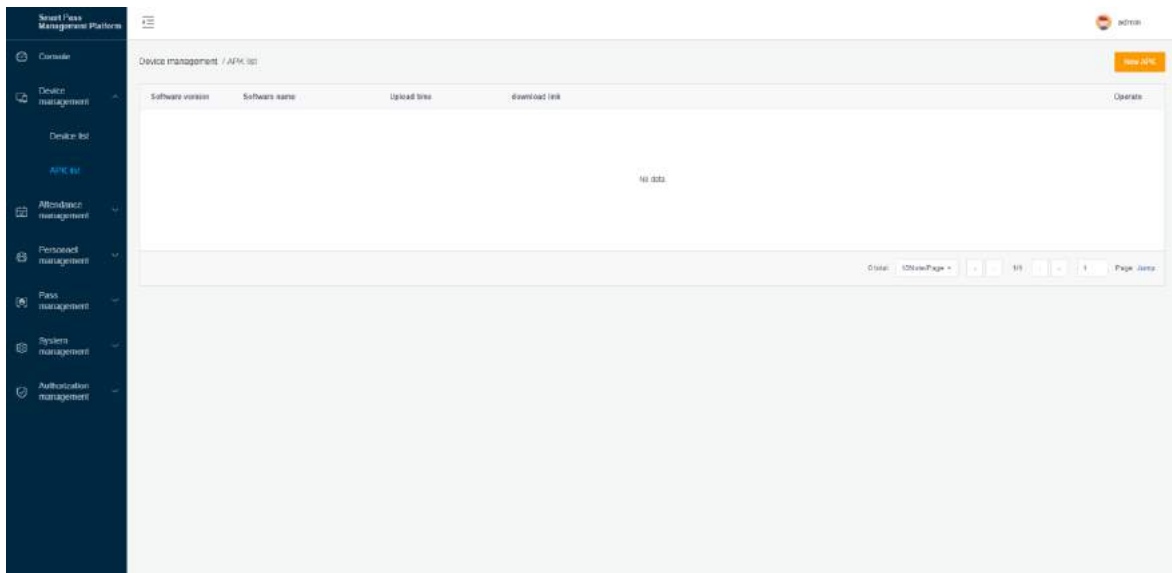
#### 3.2.1 Device List

This section is to show all screens connected to your server and allow direct commands. This also allows you to check the device information, change the device settings, and even view what the camera can see directly and remotely.



### 3.2.2 APK List

The APK list is to allow for remote upgrade of the version of APK when upgrades are available. Click “New APK” at the top right to add an APK; you can then push this to your online screens. The APK will be given by the provider of your display.

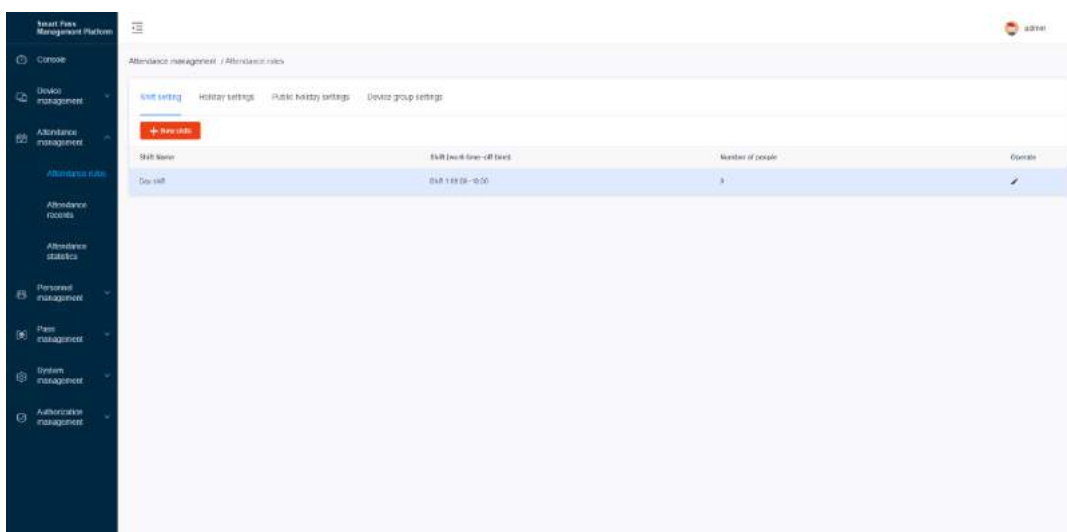


### 3.3 Attendance Management

The Attendance Management section allows the monitoring of employee attendance based on rules you create.

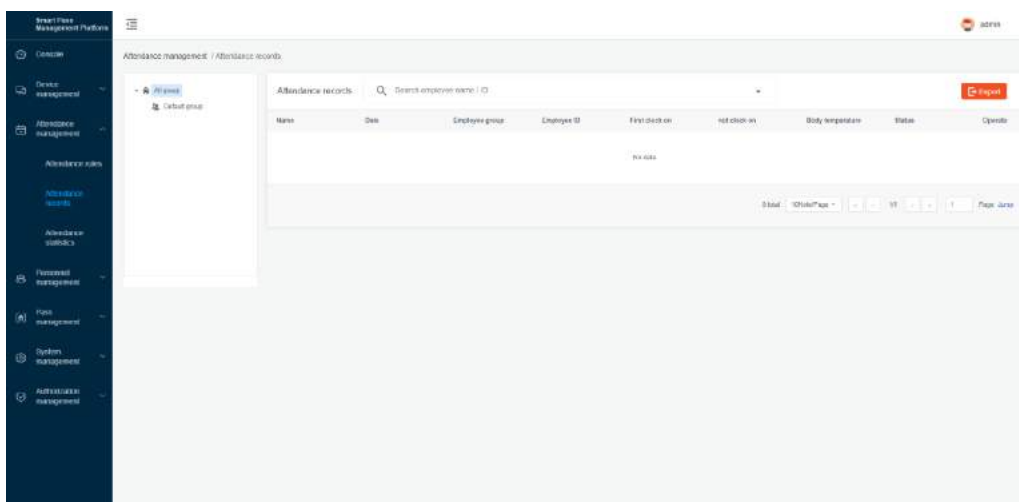
#### 3.3.1 Attendance Rules

This allows you to set the rules for monitoring attendance of staff members, and other specific times during the year. This includes shifts, personal holidays and public holidays.



#### 3.3.2 Attendance Records

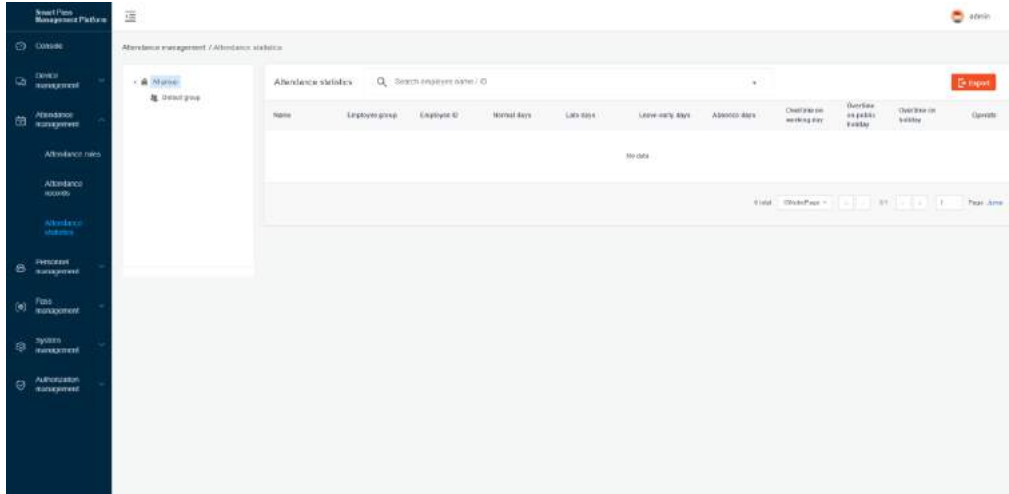
This allows you to keep track of attendance from registered people, such as staff and visitors.





### 3.3.3 Attendance Statistics

This section shows all attendance statistics from staff, visitors and strangers.

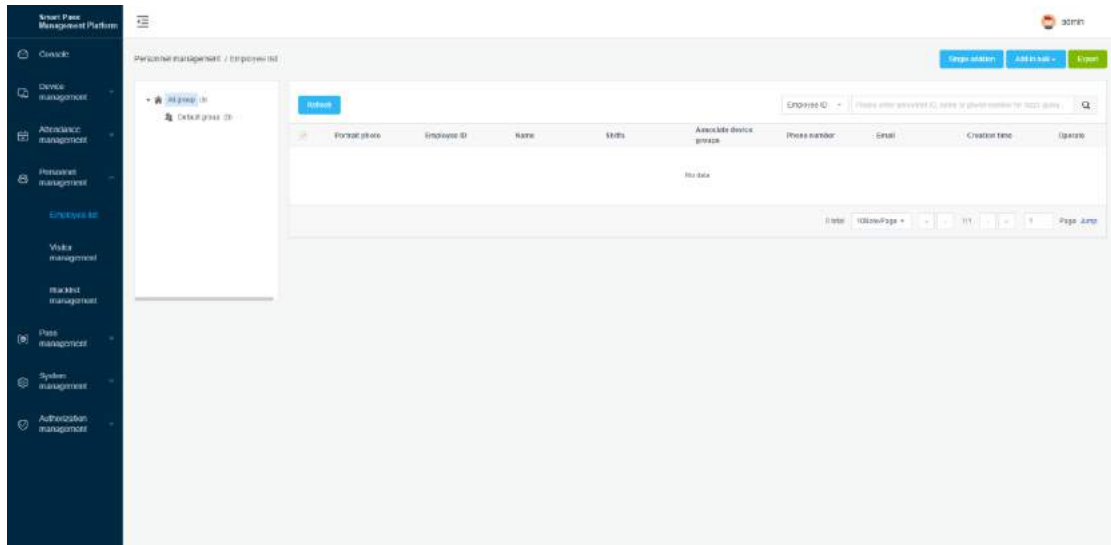


## 3.4 Personnel Management

The Personnel Management section allows the storage of staff and visitor information.

### 3.4.1 Employee List

This provides a list of all registered members of staff for attendance monitoring. This will allow you to create a Staff Member listing, where you can give them a personal ID, input their name, gender, whether their attendance is required, and assign a “Shift” from the “Attendance Rules” section. You can also assign an ID Photo, which can be taken prior to the creation of the listing, or taken using the screen camera when creating it.



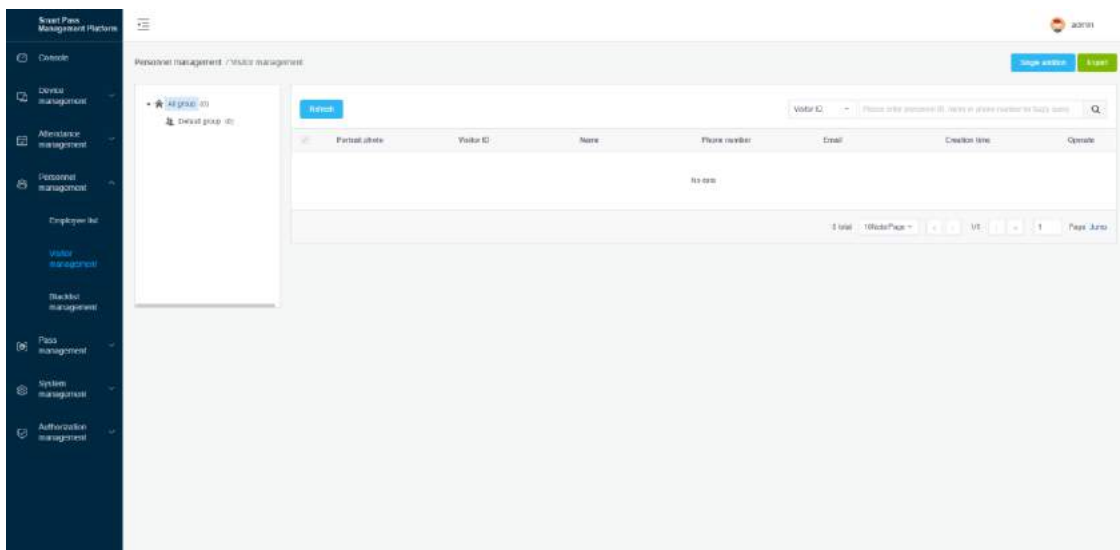
The display also features the IC Card Reader at the bottom, which can be used to scan IC cards that have been assigned to Staff within the “Employee List”. You will need to know the IC Card Number (or Wiegand Input Number) prior to setting this up.

IC card number:

No more than 64 characters

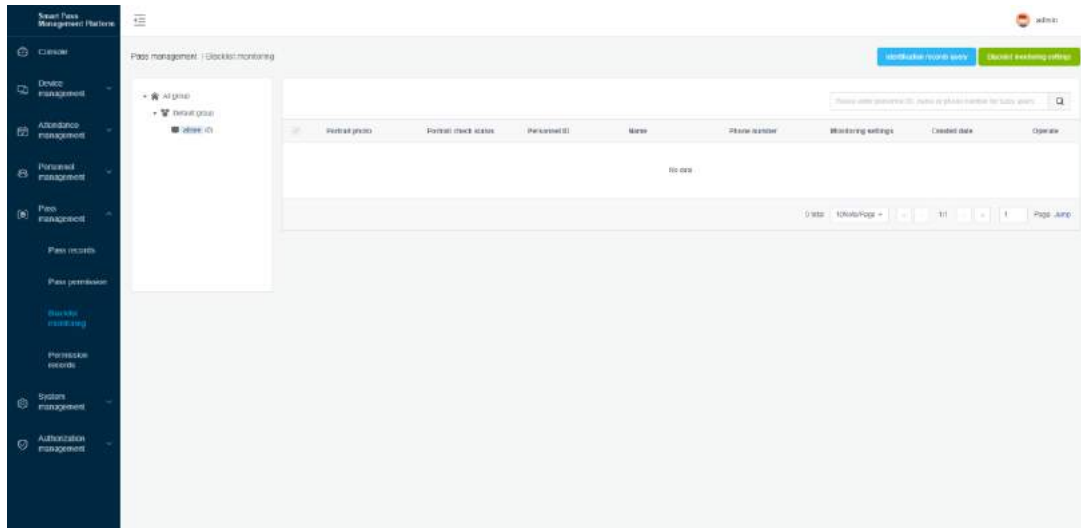
### 3.4.2 Visitor Management

This allows visitors to be added to the server for attendance monitoring. The information that you can input for this is similar to the Employee List, with the exception of the shift.



### 3.4.3 Blacklist Management

This section gives you the ability to blacklist certain people that are not allowed to enter. This also works the same as the Employee List and Visitor Management.

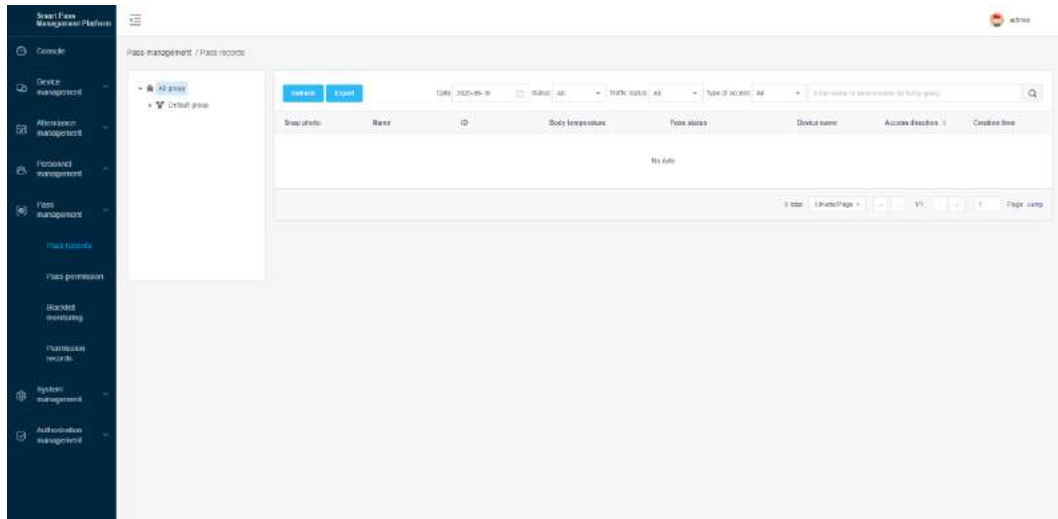


## 3.5 Pass Management

The Pass Management section allows monitoring and control of who has access, and records who has passed by the screen.

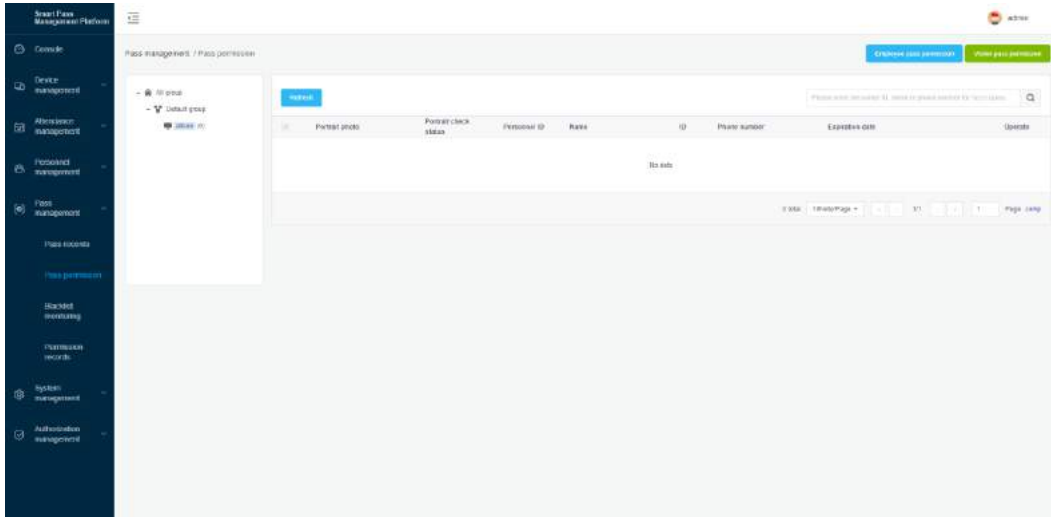
### 3.5.1 Pass Record

This section contains records of who has passed by the screen and their different statistics, such as temperature, which device was used to scan them, and when the event occurred.



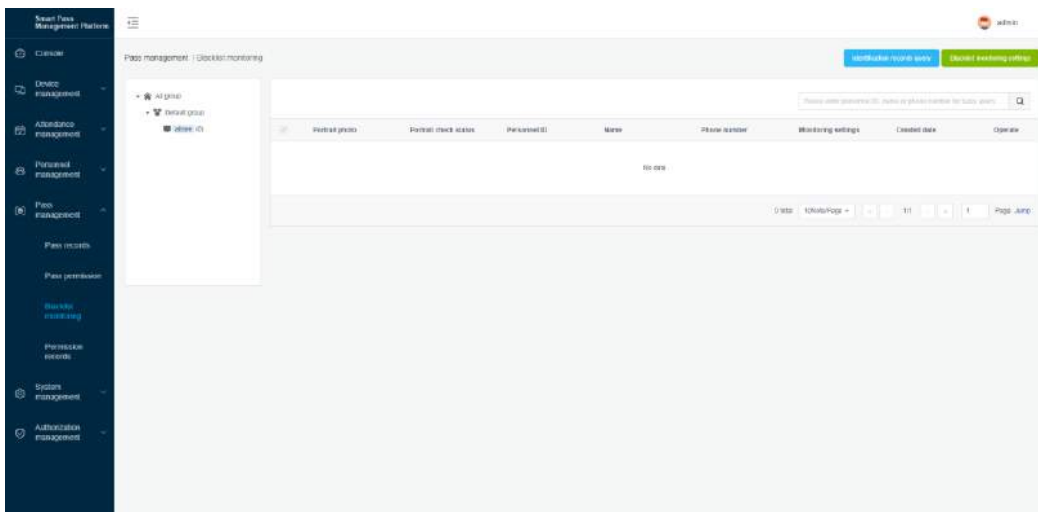
### 3.5.2 Pass Permission

This allows you to set staff access permissions for specific members of staff. This can be left as default, which will allow them access, or you can revoke their permission to pass.



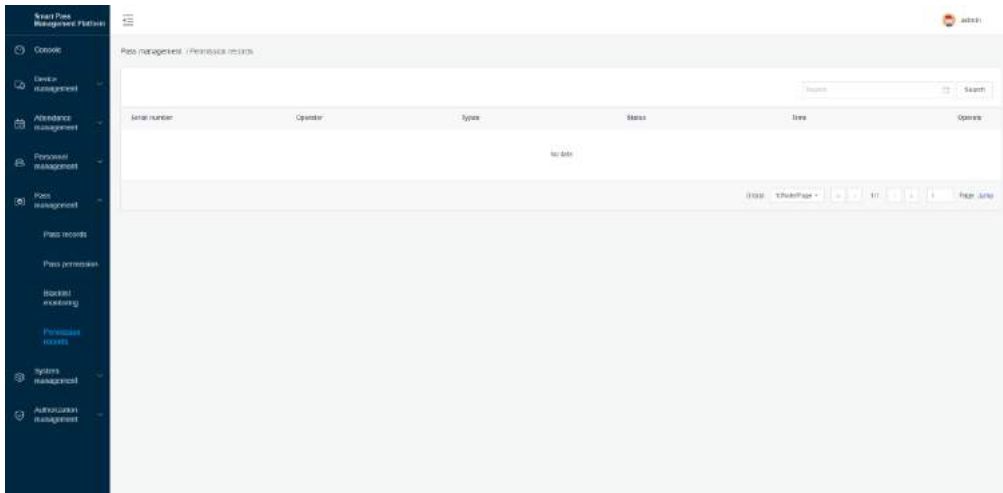
### 3.5.3 Blacklist Monitoring

This allows you to check if anyone on the blacklist has passed the screen recently.



### 3.5.4 Permission Records

This keeps a record of all authorisations for access.

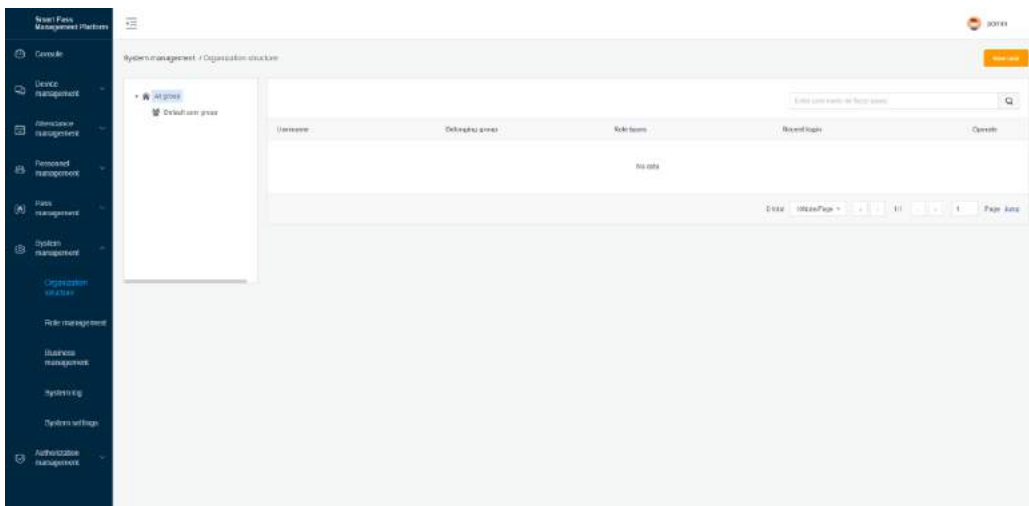


### 3.6 System Management

The System Management page allows the management of the server’s core setup for organisations and users.

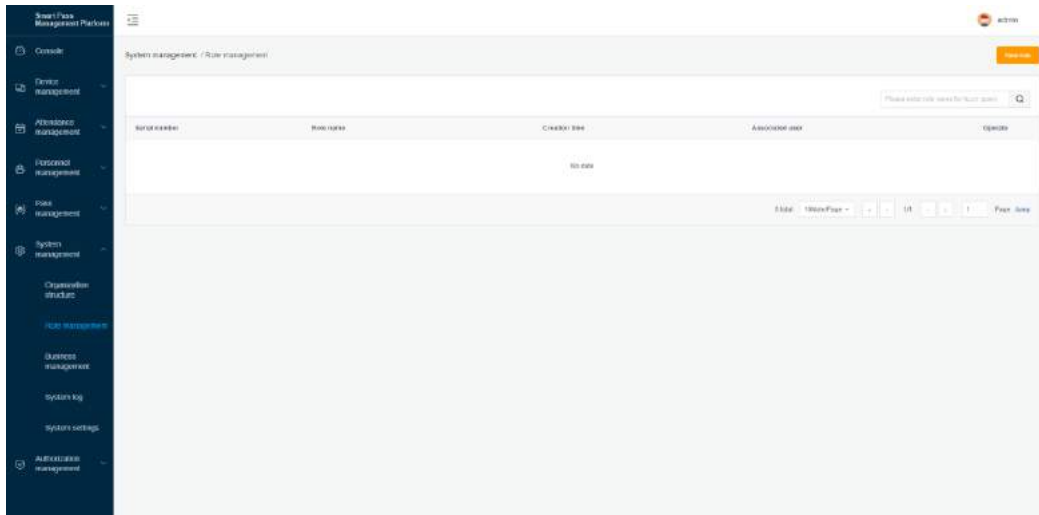
#### 3.6.1 Organisation Structure

This allows the creation of organisations under your own for users to be able to log into.



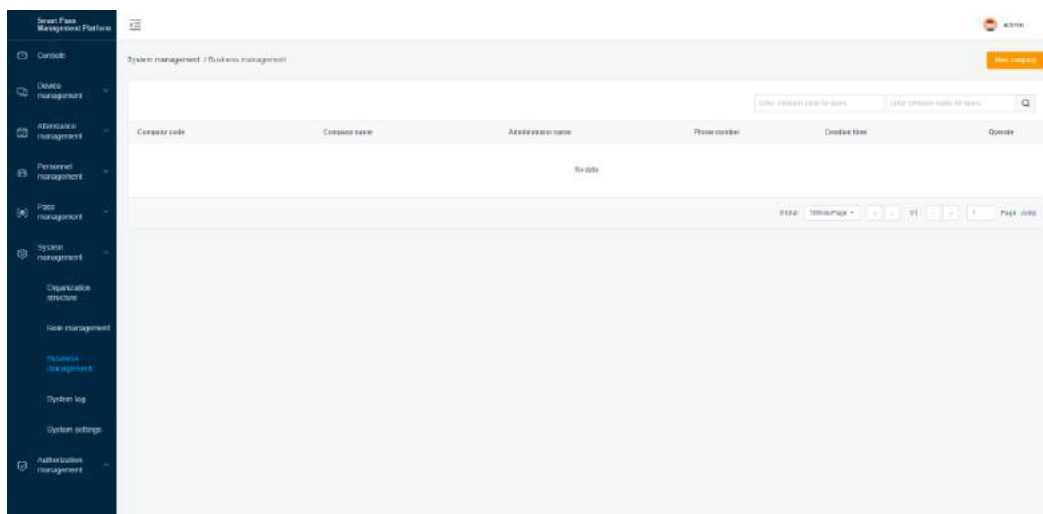
### 3.6.2 Role Management

This allows the creation of specific permissions for users created in the Organisation Structure section.



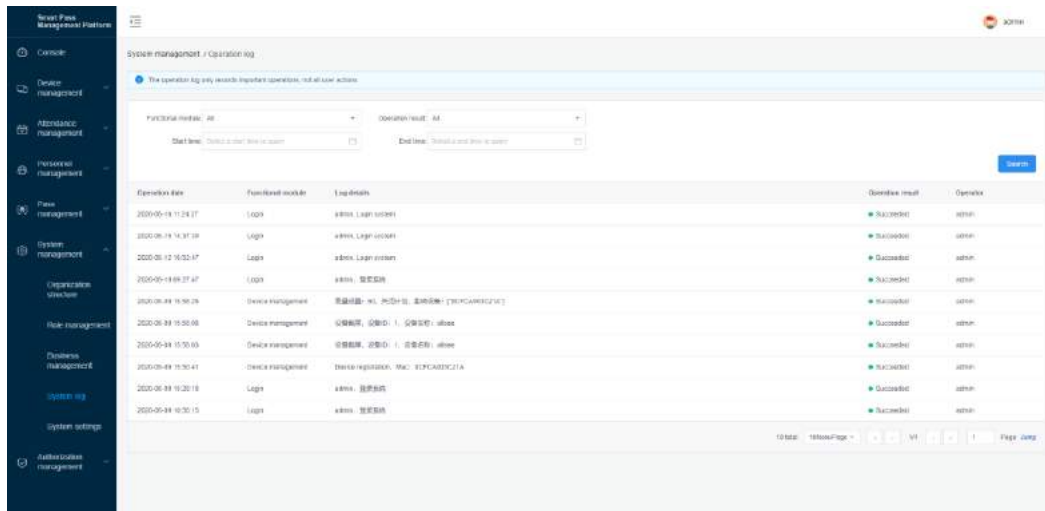
### 3.6.3 Business Management

This allows the addition of businesses to a database for easy access of information.



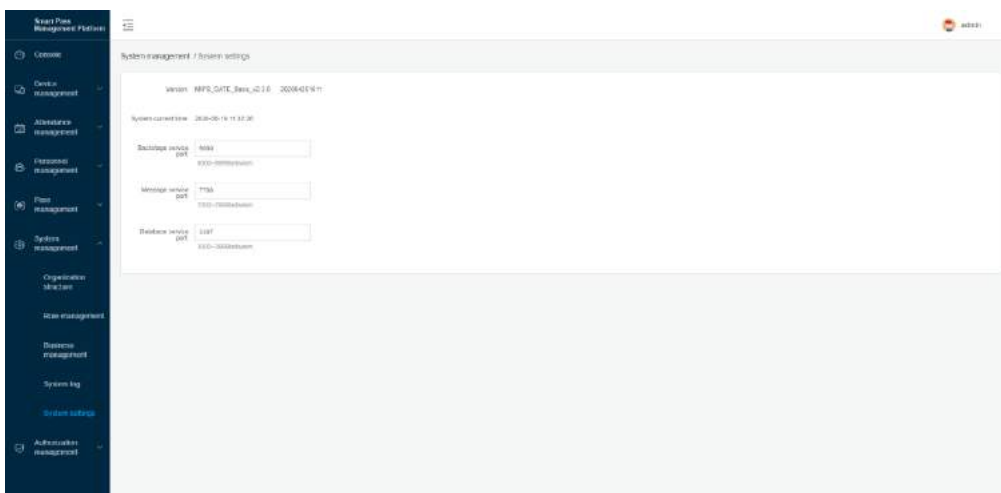
### 3.6.4 System Log

This allows the monitoring of actions performed by certain users who can log into your server.



### 3.6.5 System Settings

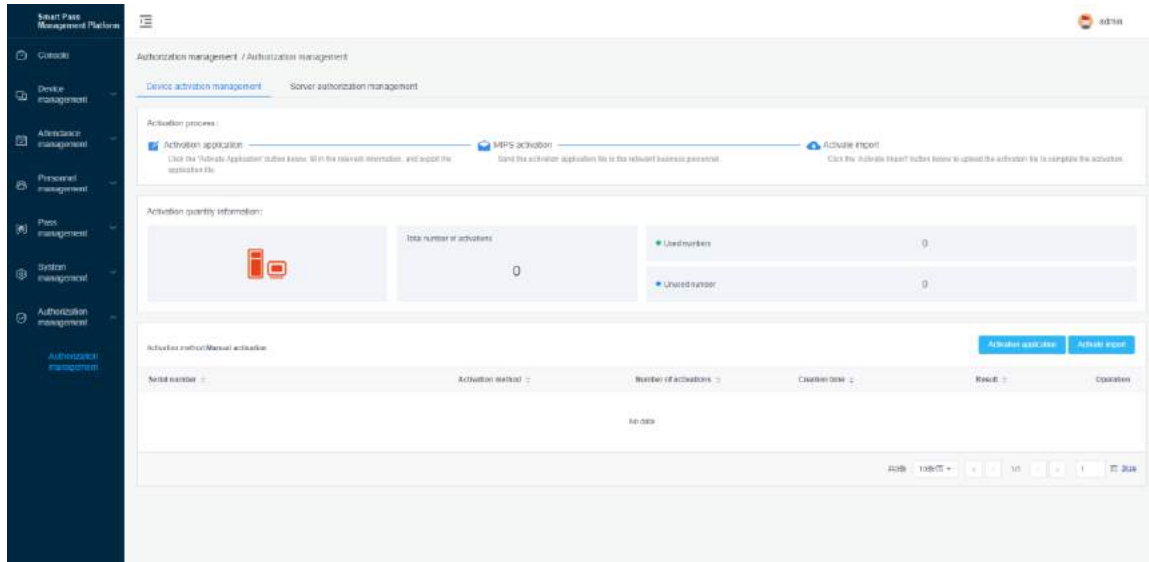
This gives the version number and port information. Not to be changed unless a specific port is blocked within the range of ports given





### 3.7 Authorisation Management

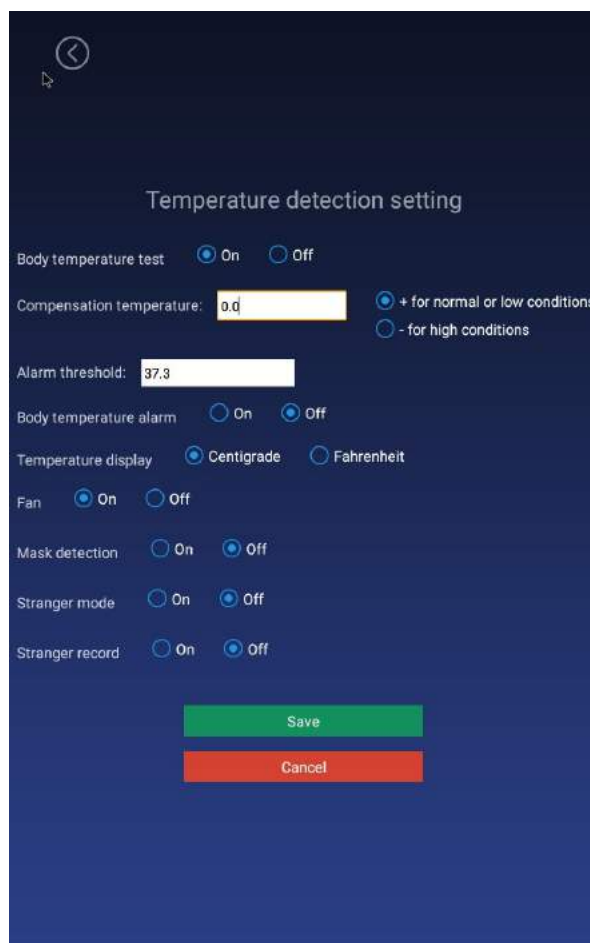
The Authorisation Management page allows the authorisation of units to be added to the server when they are first being set up.



### 4. Offline Setup

The screen can also be set up without the use of the server by inserting a USB mouse to access its setup menu. Simply insert the USB mouse, click the middle mouse button once and insert the screens password (Default: “123456”).

You can then click “Application Settings” to get into the area which allows for change on the screen. The only areas we recommend to change if required are “Body Temperature setting” and “Identification Parameter settings”.



## 5. FAQs

**Q:** How do I change how the screen acts, such as disabling the fan or detecting a mask?

**A:** Go to the “Device Settings” page, illustrated in the Quick Reference Guide. Scroll all the way to the bottom and click the “Body Temperature Test” button.

The screenshot shows a dialog box titled "Temperature detection setting" with a close button (X) in the top right corner. The settings are as follows:

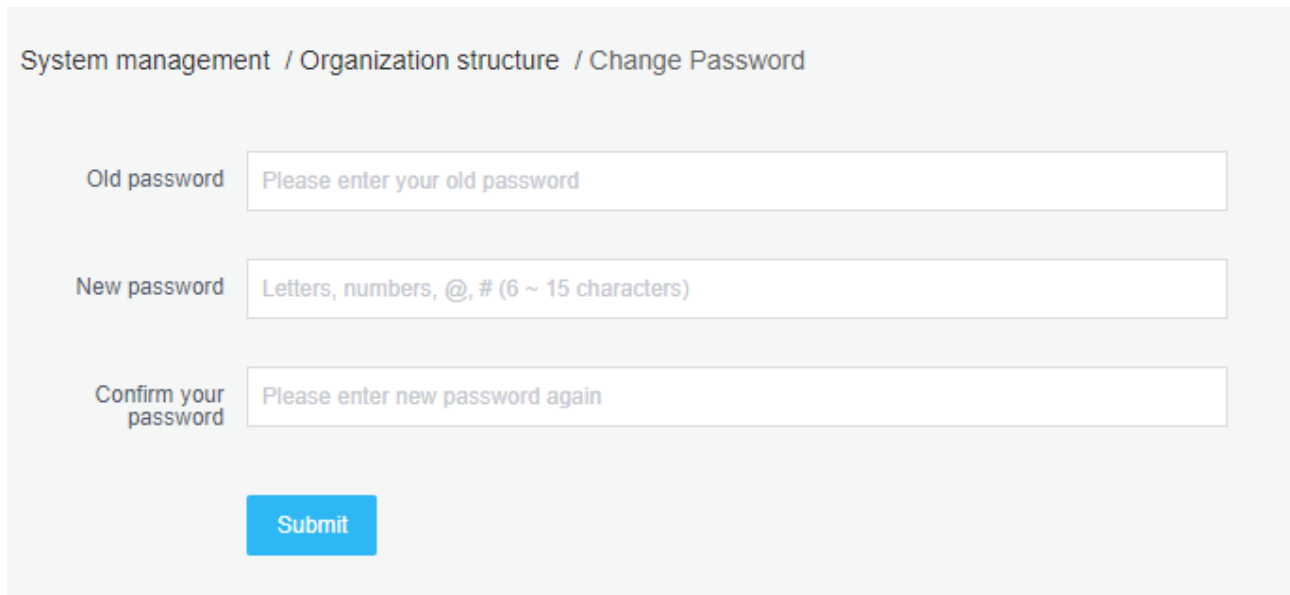
- Body temperature test:  On  Off
- Alarm threshold:
- Alarm:  On  Off
- Compensation temperature: 
  - +(Suitable for normal or low temperature conditions)
  - (Suitable for high temperature conditions)
- Mask detection:  On  Off
- Fan:  On  Off
- Stranger detection:  On  Off
- Stranger record:  On  Off

At the bottom right, there are two buttons: "Cancel" and "Sure".

This will allow you to change a multitude of settings relating to the display itself.

**Q:** How do I change my password for my login?

**A:** When you log in, you will see your username in the top right. If you click this, you will then be able to click “Change Password”.



The screenshot shows a web interface for changing a password. At the top, there is a breadcrumb trail: "System management / Organization structure / Change Password". Below this, there are three input fields. The first is labeled "Old password" and contains the placeholder text "Please enter your old password". The second is labeled "New password" and contains the placeholder text "Letters, numbers, @, # (6 ~ 15 characters)". The third is labeled "Confirm your password" and contains the placeholder text "Please enter new password again". Below the input fields is a blue "Submit" button.

**Q:** What if the screen needs to be passed on to someone else, and I don’t want them to keep the settings I implemented?

**A:** If the screen needs to be passed to someone else and you no longer need your specific settings on there, you can “Initialise” the screen to remove all of its previous settings. If the screen connects back to that server though, it will re-download those settings.

To do this, follow these steps:

1. Insert a USB mouse into the screen.
2. Middle-Mouse click to open the Settings screen.
3. Select “Application Settings”.
4. Then select “Application Initialization” at the bottom to begin the process of resetting it.

