Shuttle®
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D230 Server Version

Software Quick Start Guide

English

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1 Introduction

Feature detection is one of the key features of the D230; the advertisement changes immediately once the target audience is detected. The target audience can be divided by age and gender.

The D230 device works with the website of D230 server, which can create advertising content, including scrolling text, pictures, and videos. Content can be scheduled and played on the D230 device.

The D230 Tool is a mobile App that is used to initialize the D230 device network. It runs on Android 7.x and iOS 11.x or higher as provided by the manufacturer.

D230 Tool icon

2 Setting the environment

2.1 System software activation

Enter the server IP in the URL field of your browser to access the Shuttle software activation service system.

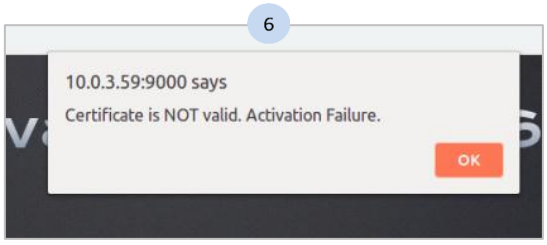
It is not allowed to install a server on a virtual machine, since the product key is bundled with the ID of the hardware equipment.

Steps

1. Click on the icon to switch language, if required.
2. Press the Get the key button to get the activation key.
3. Press the Mail to commissioner button to send the activation key to the services commissioner.
4. Upon reception of the certificate from the commissioner, click on the Choose a file button on the system page to select the certificate file for verification.

Table 1 Supported Languages of the Shuttle Software Activation Service System

English (en-US)	繁體中文



Steps

5. Once the certificate is verified, the software is successfully activated, please then press the

button to start using the software.
6. If credentials are invalid, the software cannot be activated, please contact a service specialist.

2.2 Network settings

The D230 device is in AP mode before the initialization process starts. The D230 Tool connects to the local area network of the D230 device, it will change to default mode once the network settings are done. Once the network settings are done, the D230 will be activated.

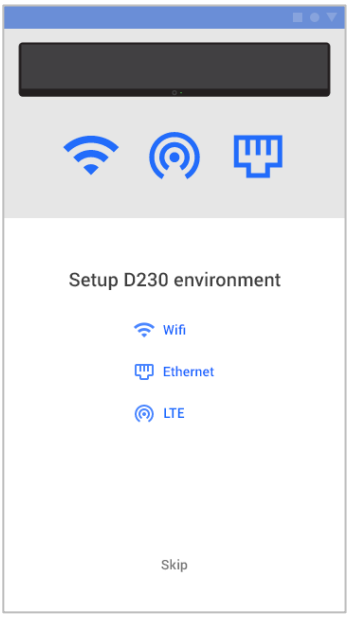
2.2.1 Preparation

Please connect your mobile phone's Wi-Fi to the AP (Ex: AP12345, please check your own AP) before launching the D230 Tool.

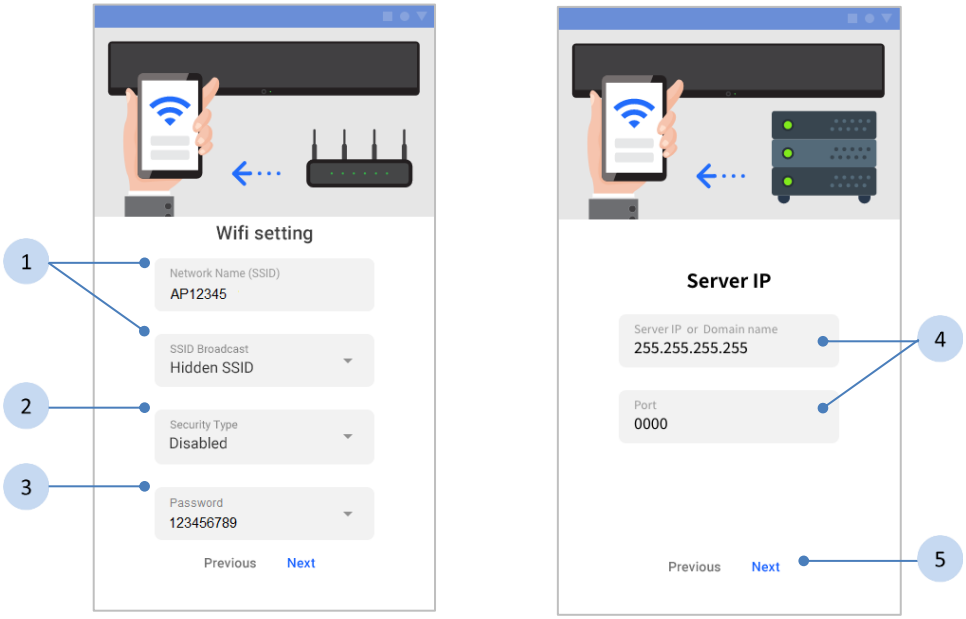
2.2.2 D230 device network settings

Steps

1. Download the D230 Tool.
2. Tap the screen to start the settings on the D230 Tool.
3. Choose the type of network you want the D230 device to connect to.
4. Tap "Skip" not to set a network connection.



Wi-Fi settings

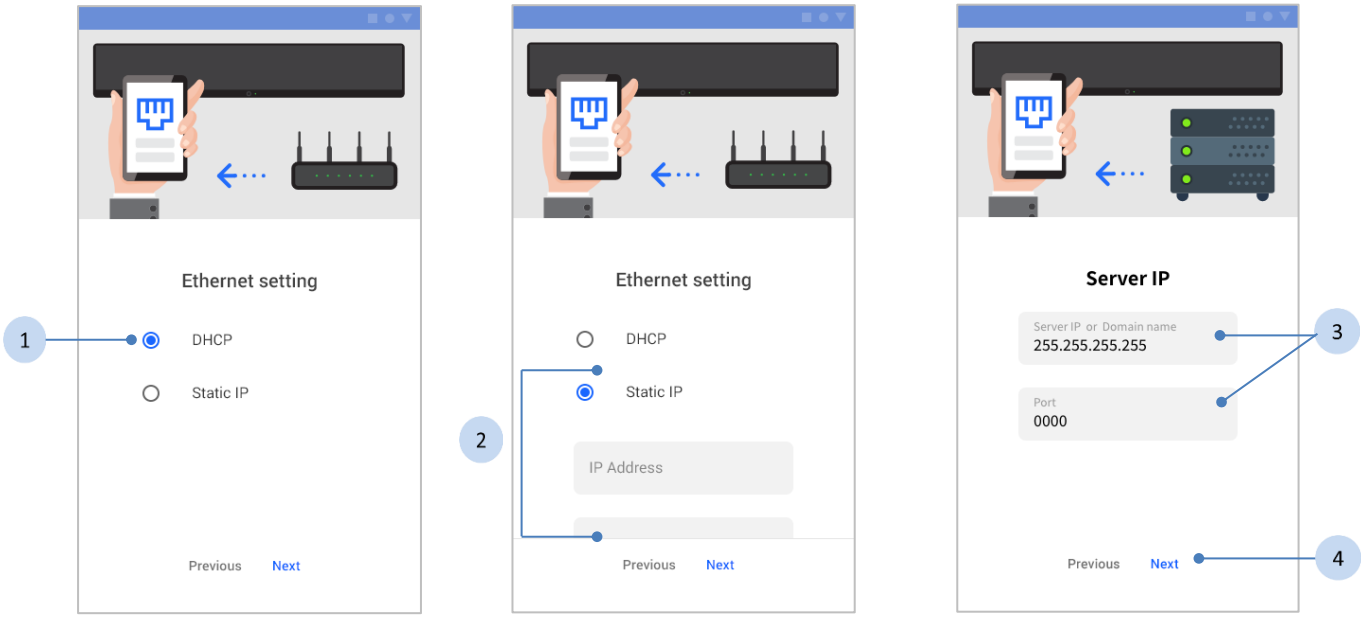


Steps

1. Please select the Network Name (SSID) of the D230 (Example: AP12345, please check your own AP), and choose whether the SSID should be hidden or public.
2. Select the security type, WEP/WPA or disabled (Example: WPA).
3. Enter the password of the AP (Example: 1234567890, please check your own password). If the security type is set to “Disabled”, you will not need to enter a password.
4. Enter the server IP or the domain name and the port to set the IP of D230 the server.
5. Tap “Next” to finish the Wi-Fi settings.

⚠ WPA is recommended for better security and transmission efficiency.

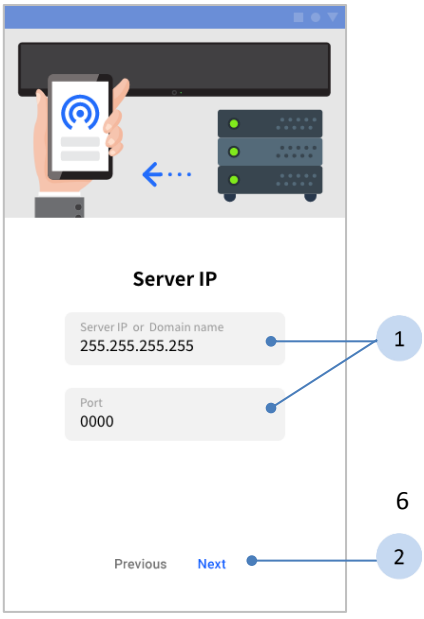
Ethernet settings



Steps

1. If you choose DHCP, the network connection information will automatically be retrieved.
2. If you choose Static IP, the following information needs to be entered manually.
   - IP address (Required)
   - Net mask (Required)
   - Gateway (Required)
   - DNS1 (Optional)
   - DNS2 (Optional)
3. Enter the server IP or the domain name and the port to set the IP of the D230 server.
4. Tap “Next” to finish the Ethernet settings.

LTE settings

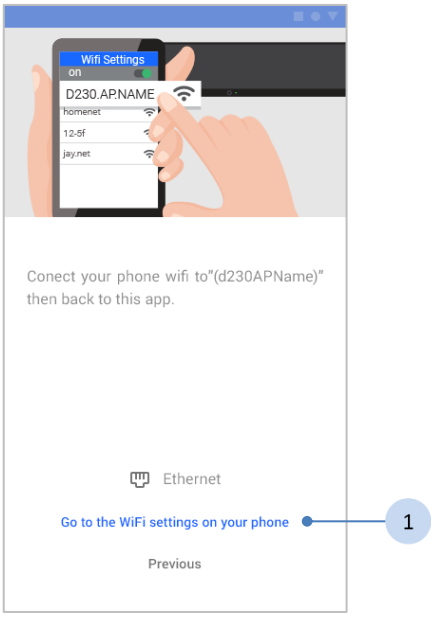


Steps

1. Enter the server IP or the domain name and the port to set the IP of the D230 server.
2. Tap “Next” to finish the LTE settings.

2.2.3 Connecting a mobile phone to the D230 device

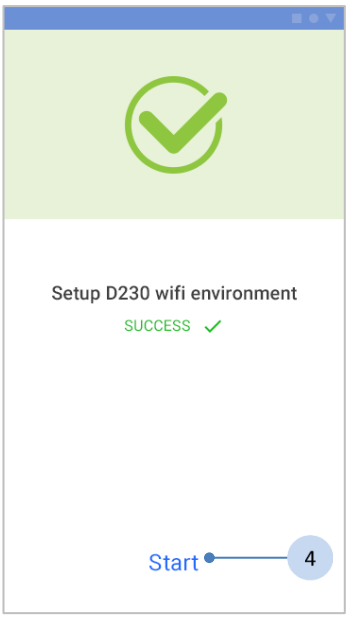
Steps



1. Tap “Go to the Wi-Fi settings on your phone” on the D230 Tool.
2. In the Wi-Fi settings of your mobile phone, please select the relevant network you want to connect the D230 device to.

   Default Information when connecting to D230 device:

   - Network name (SSID): D230@XXXXX (The serial number of the D230 device is on the back of the device. The last 5 digits are part of the SSID. For example, if the S/N is D230001001J24F56789, the default SSID then is "D230_56789".)
   - Security Mode : WPA2
   - Password : 12345678
3. Once the D230 device is connected, please go back to the D230 Tool.
4. Tap “start” to complete the D230 device Wi-Fi settings (SSID: AP12345) and the mobile device to disconnect from the D230 device (SSID: D230_XXXXX).
5. Make sure your mobile and D230 device are connected to the same Wi-Fi (SSID: AP12345).



Icon in the D230 initialization

- AP mode - The D230 is in AP mode before the initialization process starts. The AP mode icon is displayed on the device screen.
- Default mode - The D230 will change to default mode once the network settings are done, and no longer show the AP mode icon.
    - Connected - When the device is connected to the Server, no icon will be displayed on the screen.
    - Disconnected - When the device is disconnected from the Server, the Disconnected icon is displayed.
    - Approval pending - When the Device approval is pending, the approval pending icon is displayed.

Table 2 Device status

Icon		AP mode
		Disconnected
		Approval pending

If the network cannot be set, please check the status of your Wi-Fi router, reset the D230 device and connect again. Please refer to chapter "4.3 D230 factory reset".

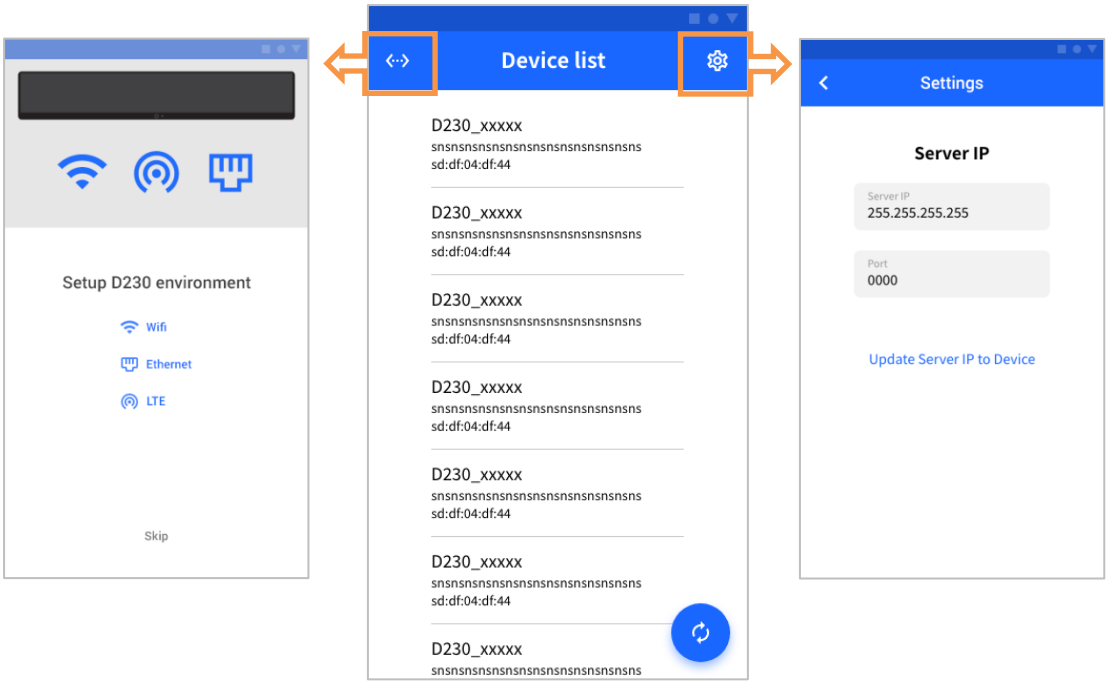
2.2.4 Device list

When the network settings are completed, the D230 Tool will list all the devices that have been set.

Setting up a new device.

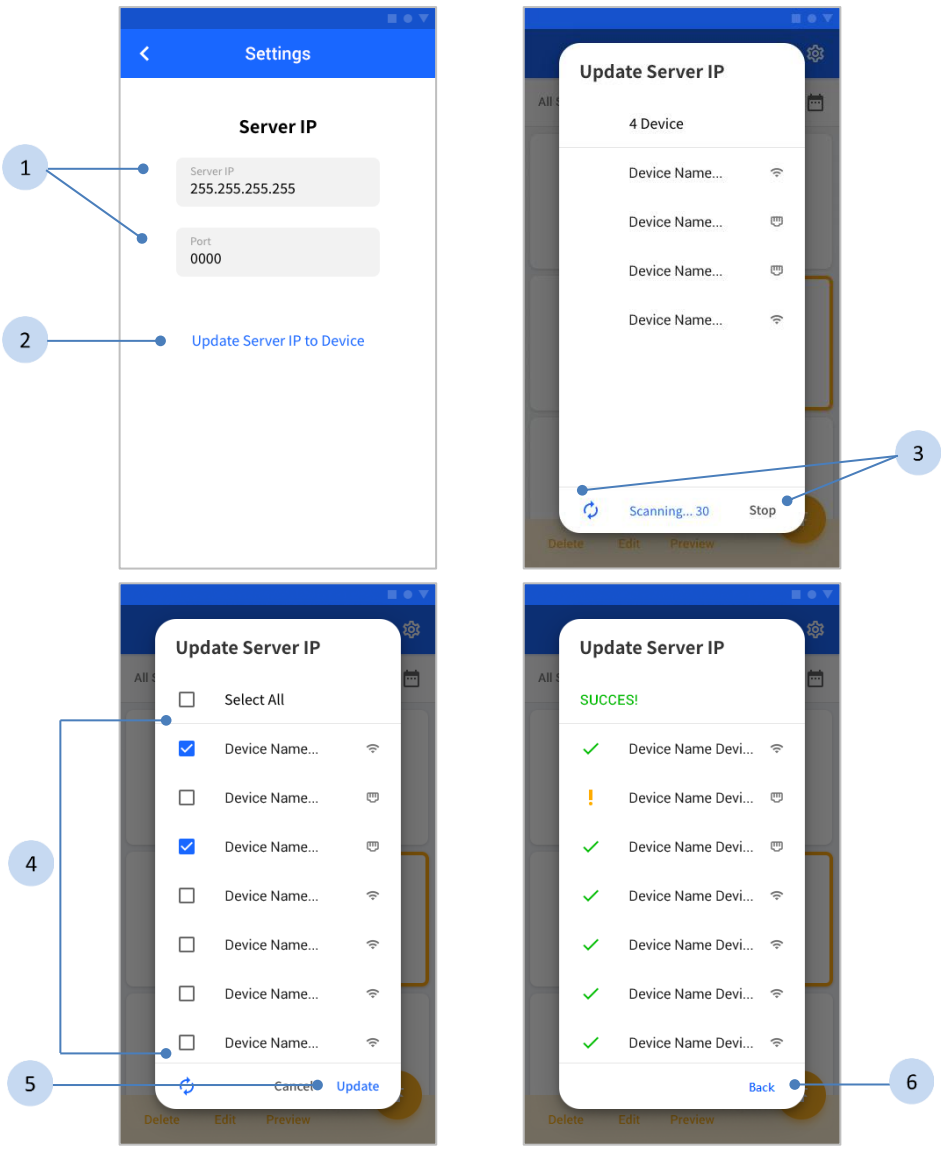
Setting the IP of the D230 server.

Refresh device list.



The ports used by server and devices to transmit data are 21 and 65001-65010. If the server and devices have firewall restrictions, please be sure to open the above ports for use.

2.2.5 Updating Server the IP



Steps

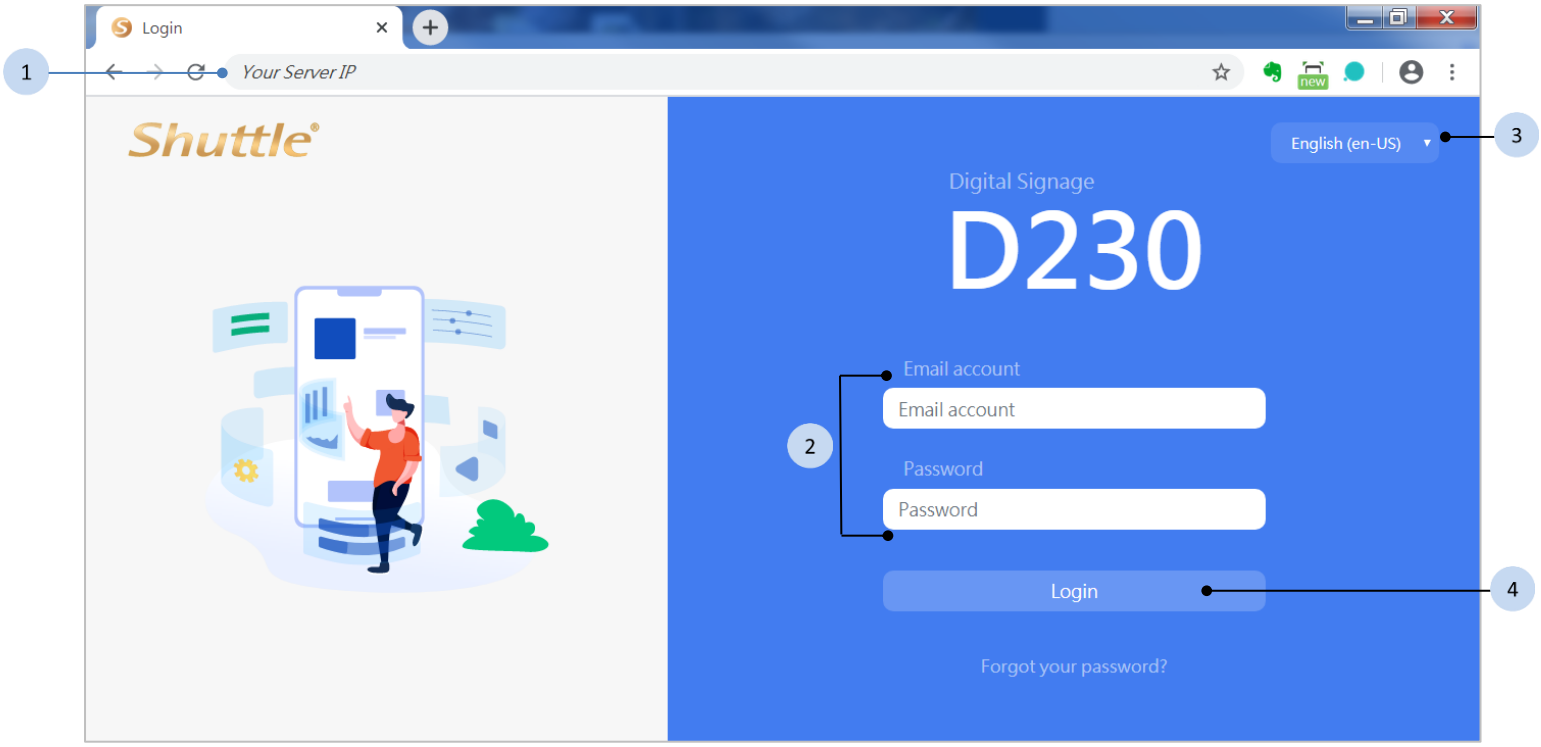
1. Enter the server IP or the domain name and the port to set the IP of the D230 server.
2. Tap “Update Server to Device”.
3. The app will scan for devices for 30s and then list the results. You can tap the button to rescan or stop scanning by pressing the “Stop” button.
4. Select the device you want to update from the list.
5. Tap the "Update" button.

After listing the update results, tap the “Back” button to end the update.

3 The Website

The best resolution is 1366 x 768 pixels.

3.1 Logging in to the website



Login page

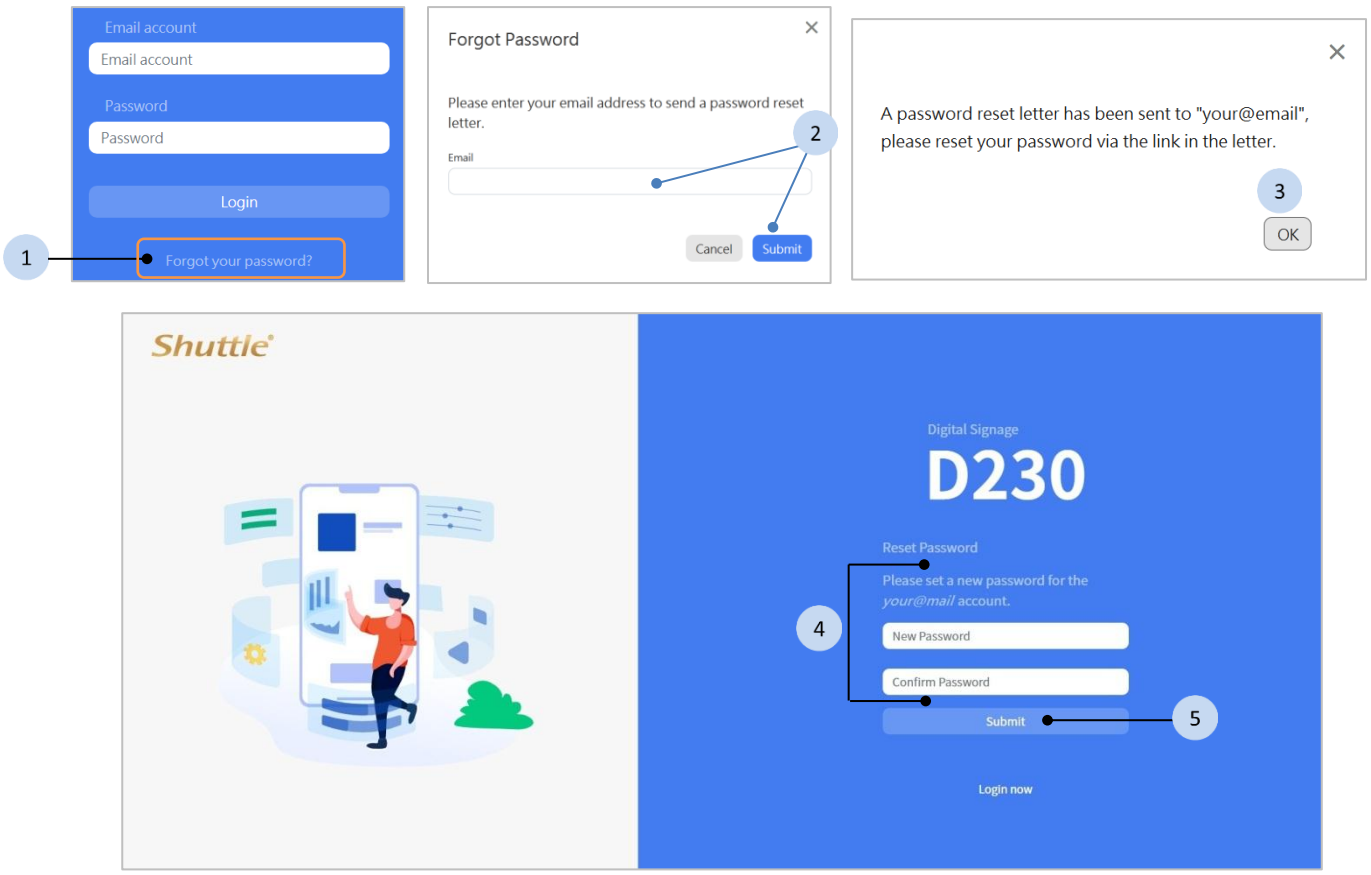
Steps

1. Open a browser and enter the server IP, port 8000 (for example, *192.168.1.1*:8000) in the URL field to access the website.
2. Enter the Email account and password.
3. Select the language.
4. Click on the Login button to log in to the website.

Table 3 Website Supported Languages

English (en-US)	Français
繁體中文	Deutsche
简体中文	日本語
Español	Русский

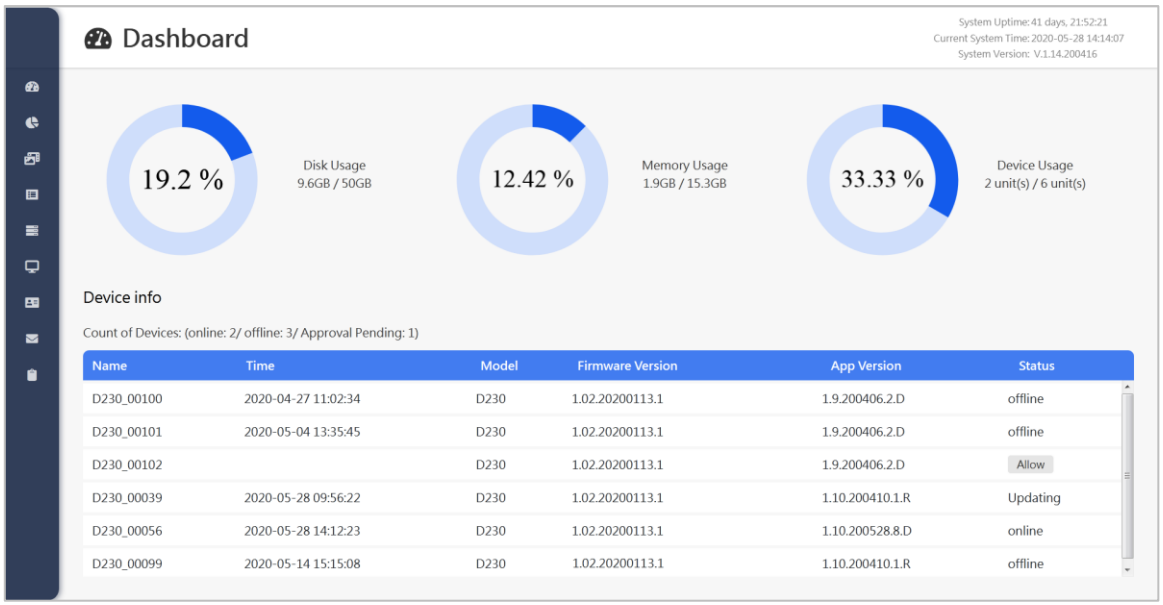
3.1.1 Resetting the password



Steps

1. Click one the “Forgot your password?” button on the login page.
2. Enter your email address, and tap the Submit button.
3. After clicking on the OK button, an email will be sent with a link to reset the password. Please click on the link.
4. Enter a new password and confirm the password, then tap the Submit button to reset the password.
5. After resetting the password, you can click on “Login now” to login.

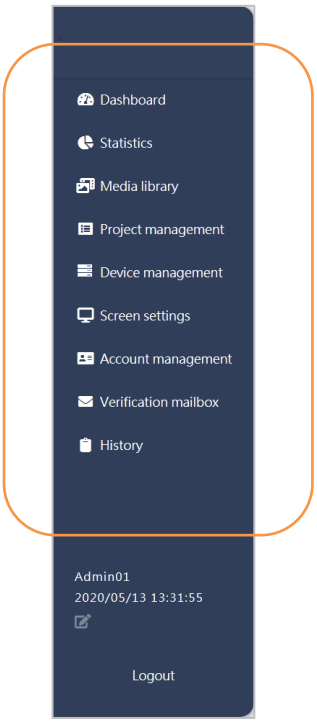
3.2 Web page after login



After logging in, you can see the sidebar on the left and the dashboard on the right.

3.3 Sidebar

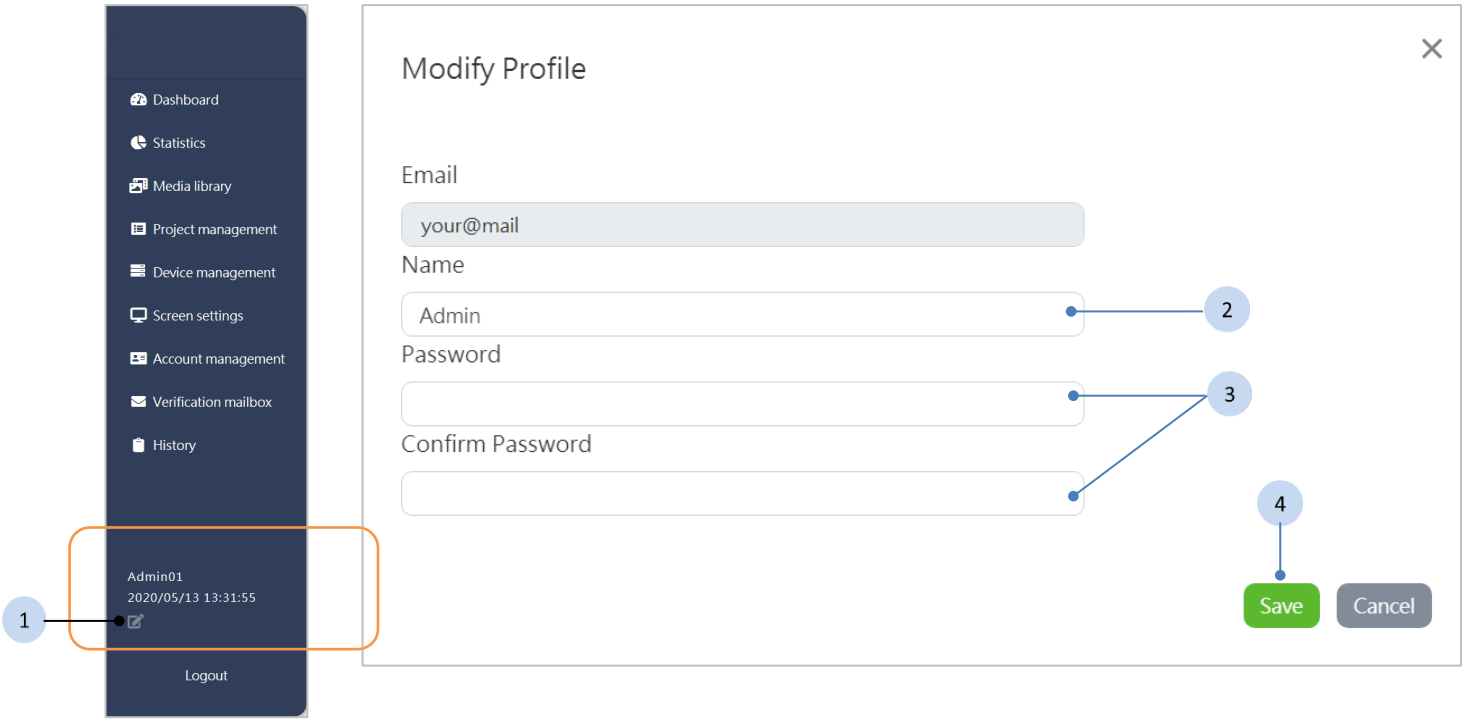
3.3.1 Menu



Chapters In This Quick Guide	
	3.4 Dashboard
	3.5 Statistics
	3.6 Media Library
	3.7 Project Management
	3.8 Device Management
	3.9 Screen Settings
	3.10 Account Management
	3.11 Verification Mailbox
	3.12 History

Move the mouse over the sidebar and the full size will expand. You can switch each function by clicking on the sidebar menu, and the following sections will describe these features.

3.3.2 Logging in to an account



The login account and login time are displayed below the sidebar. You can edit the name and password via “Modify Profile”.

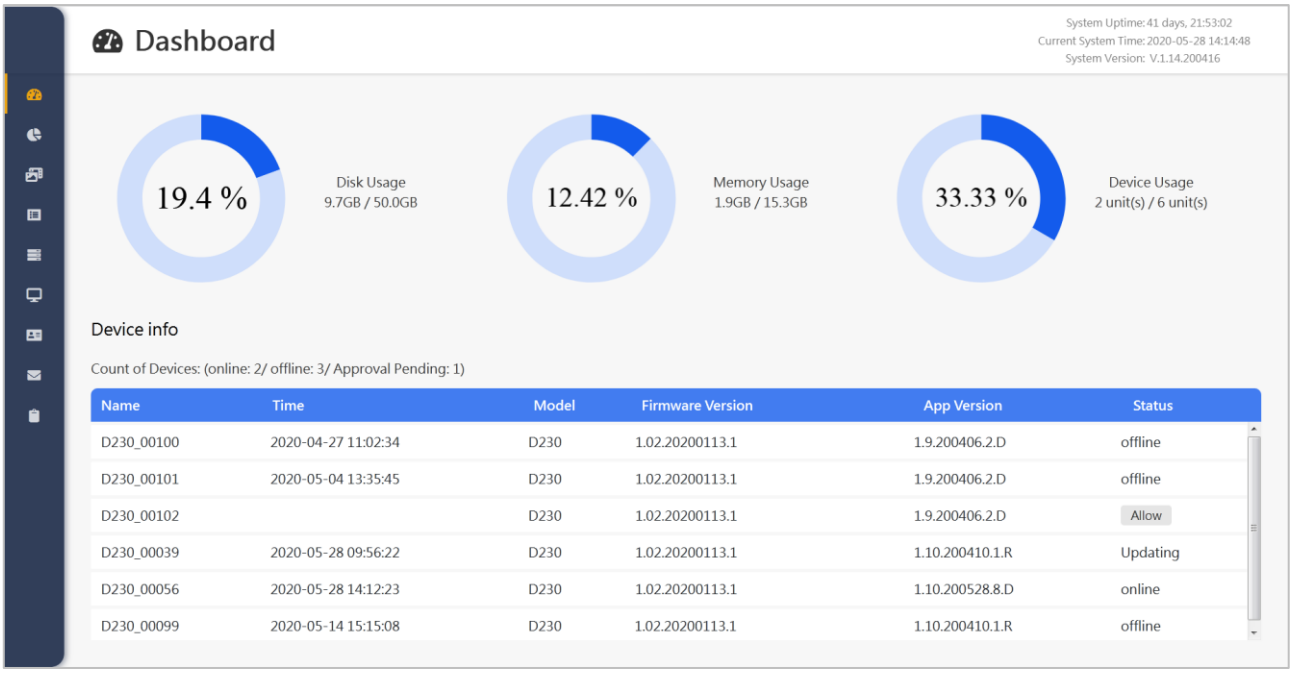
Steps

1. Click on the button on the sidebar.
2. Edit your user name, if required.
3. Edit your password, if required and confirm.
4. Click on the Save button to save and finish.

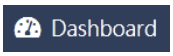
3.3.3 Logging out

Click on the Logout button on the sidebar to logout.

3.4 Dashboard



Steps

1 Click on the 

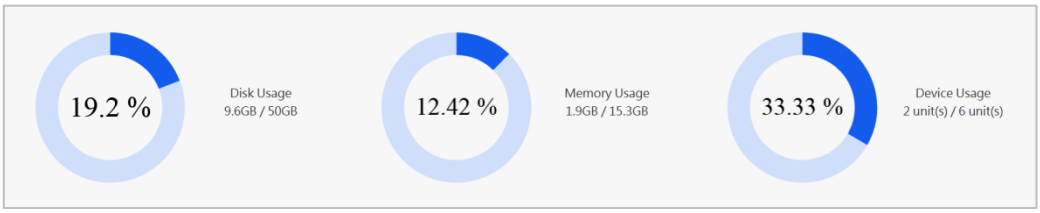
button on the sidebar, so that the Dashboard displays on the right.

3.4.1 System info

You can get the following system information on the top right of the dashboard.

- System uptime
- Current system time
- System version

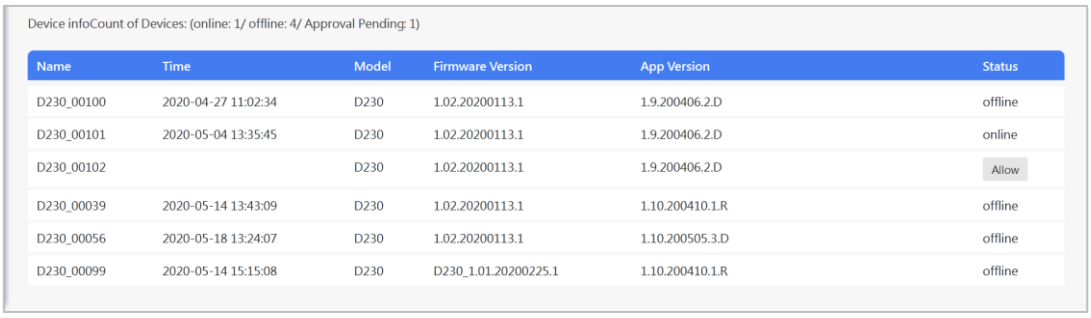
3.4.2 Usage info



You can get the following usage information at the top of the dashboard.

- System disk usage(Disk usage/Disk storage)
- System memory usage(Memory usage/Memory capacity)
- Device usage(Connected device/Amount of devices)

3.4.3 Device info



You can get the following device information on the dashboard.

Count of Devices

- *Online:* Amount of online device(s).
- *Offline:* Amount of offline device(s).
- *Approval Pending:* Approval Pending device(s).

Device list

- *Name:* Device name.
- *Time:* Date of the last update or upgrade of the device.
- *Model:* Device model.
- *Firmware Version:* Firmware version of device.
- *App version:* App version of device.
- *Status:* Status of device.

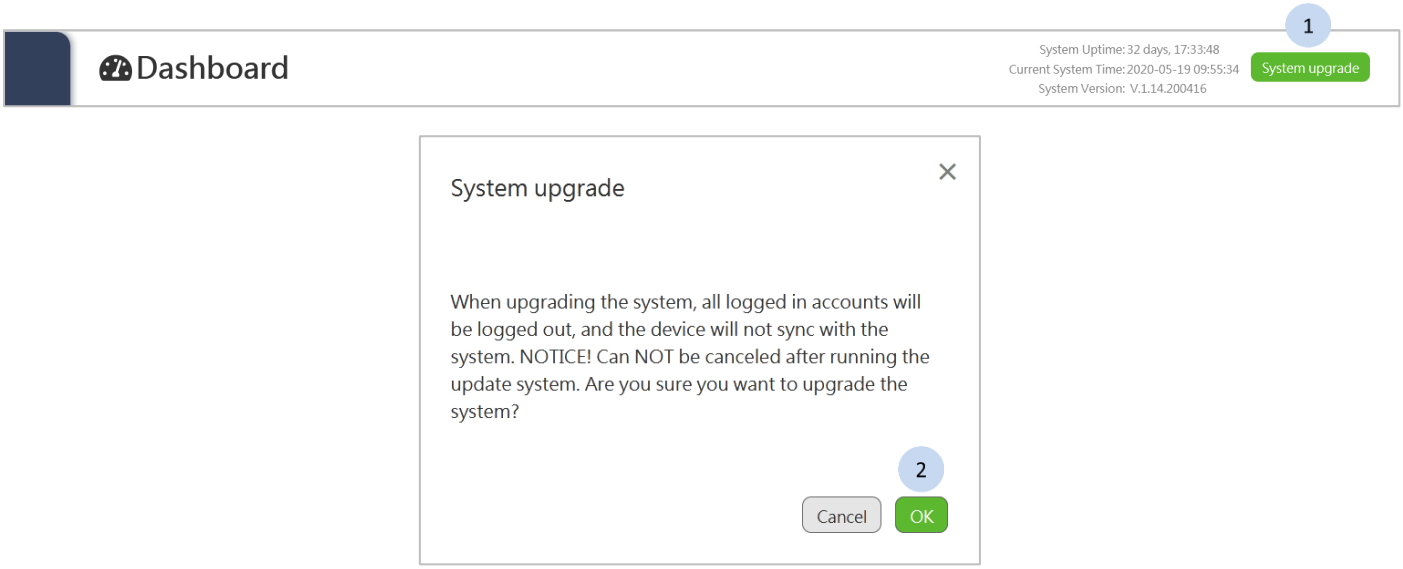
Device status	
Online	Device is online.
Offline	Device is offline.
Allow	Device approval is pending. You can click on the Allow button to allow the device.
Upgrading	Device image or APK is being upgraded.
Updating	Device is updating content.

A device with approval pending cannot synchronize information with the system.

3.4.4 Upgrade

Upgrading the system

When a new system version is available for update, the upgrade button will be displayed in the top right corner of the dashboard. Press to perform to upgrade.



Steps

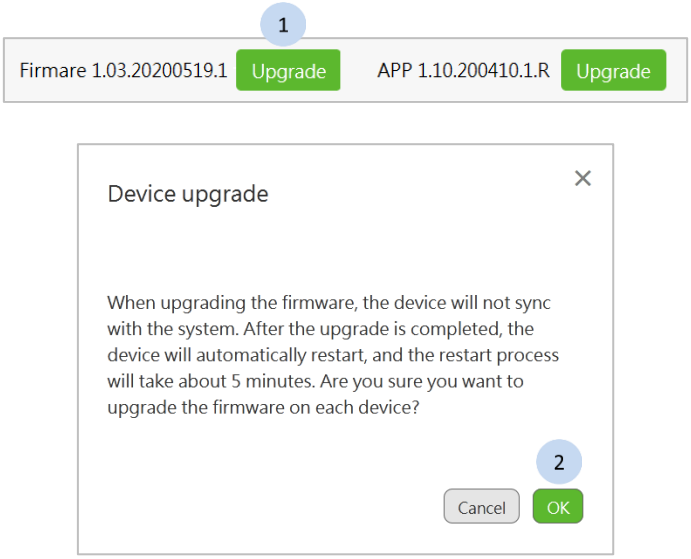
1. Click System upgrade button.
2. Click OK button to confirm the upgrade.

⚠ When upgrading the system, all logged in accounts will be logged out.

⚠ When upgrading the firmware, the device will not sync with the system.

Upgrading of device firmware

When a new firmware version of device is available for update, the upgrade button will be displayed in the top of the device info list of the dashboard. Press to perform to upgrade.



Steps

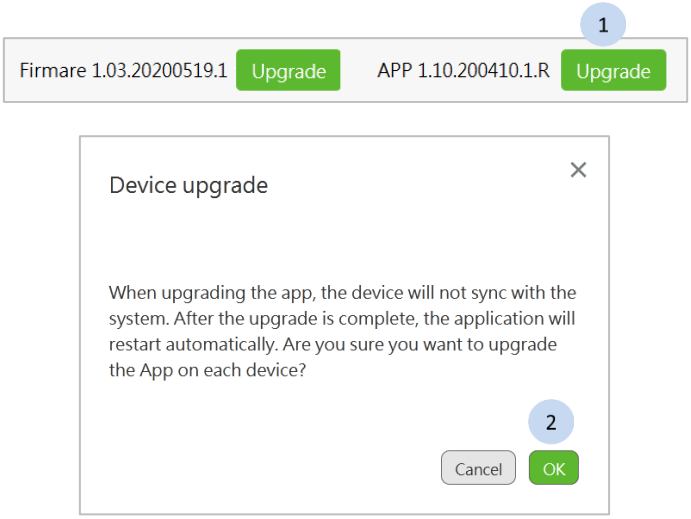
1. Click on the Upgrade button.
2. Click on the OK button to confirm the upgrade.

⚠ When upgrading the firmware, the device will not sync with the system.

⚠ After the firmware upgrade is completed, the device will automatically restart, and the restart process will take about 5 minutes.

Upgrading of device App

When a new App version of device is available for update, the upgrade button will be displayed in the top of the device info list of the dashboard. Press to perform to upgrade.



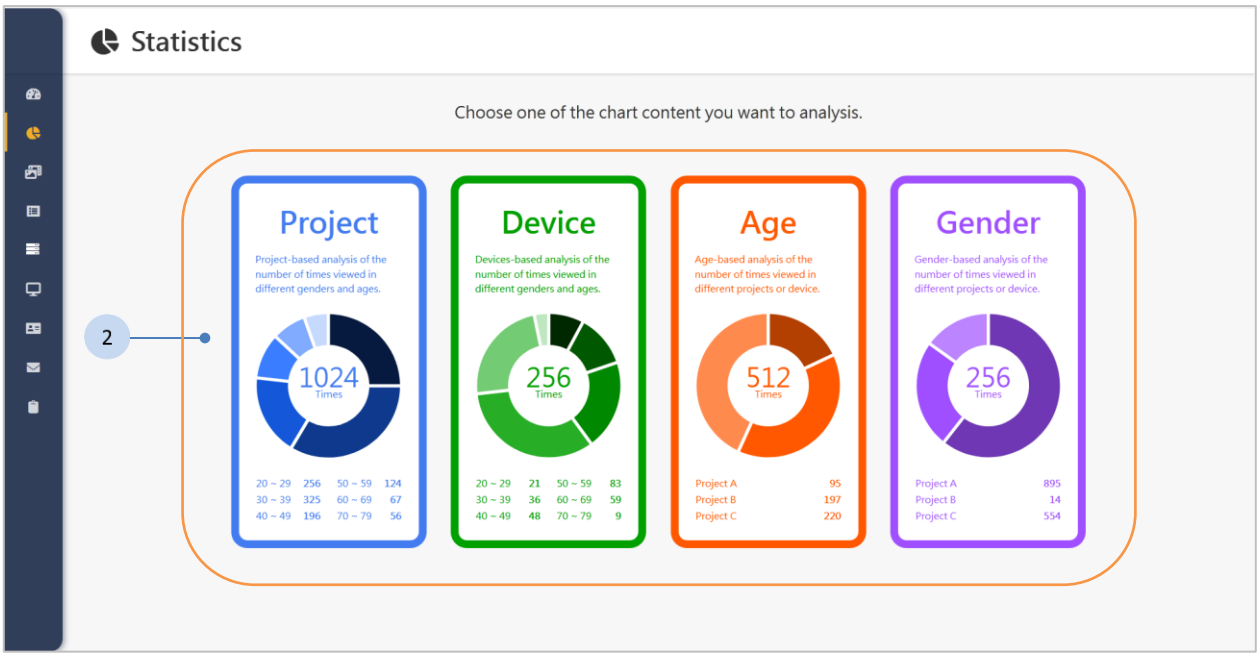
Steps

1. Click on the Upgrade button.
2. Click on the OK button to confirm the upgrade.

⚠ When upgrading the device App, the device will not sync with the system.

⚠ Once the upgrade of the device App is completed, the device will automatically restart.

3.5 Statistics



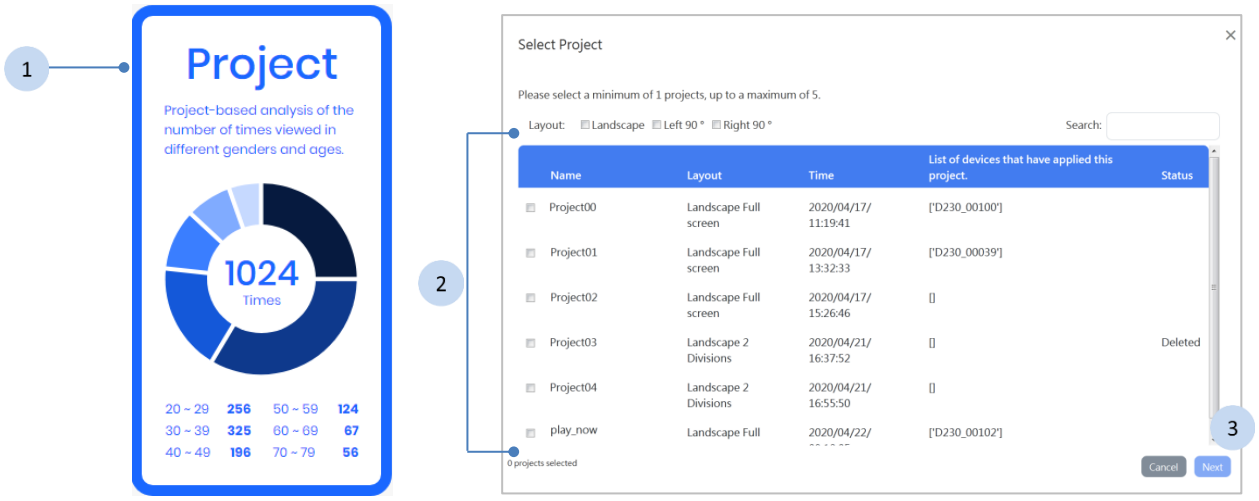
Steps

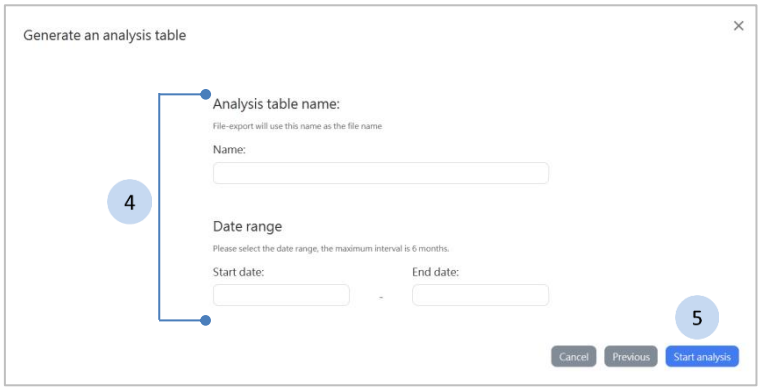
1 Click one the Statistics button on the sidebar and the statistics page will display on the right.

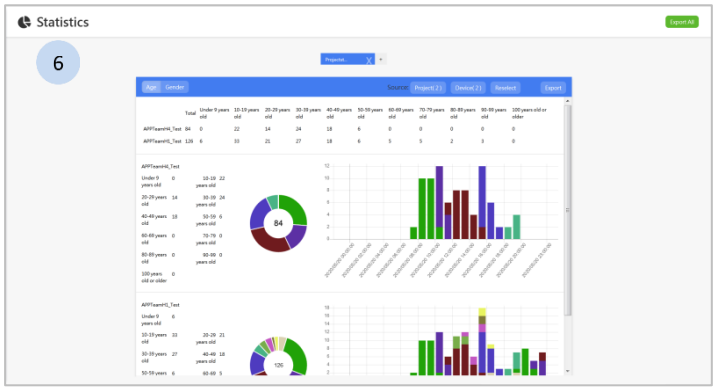
2 Choose one of the charts you want to analyze.

- Project: Project-based analysis of the number of times viewed from different genders and ages.
- Device: Device-based analysis of the number of times viewed from different genders and ages.
- Age: Age-based analysis of the number of times different projects or devices are viewed.
- Gender: Gender-based analysis of the number of times different projects or devices are viewed.

3.5.1 Projects







Steps

1 Click one the button to start a project analysis.

2 Select a minimum of 1 project, up to a maximum of 5.

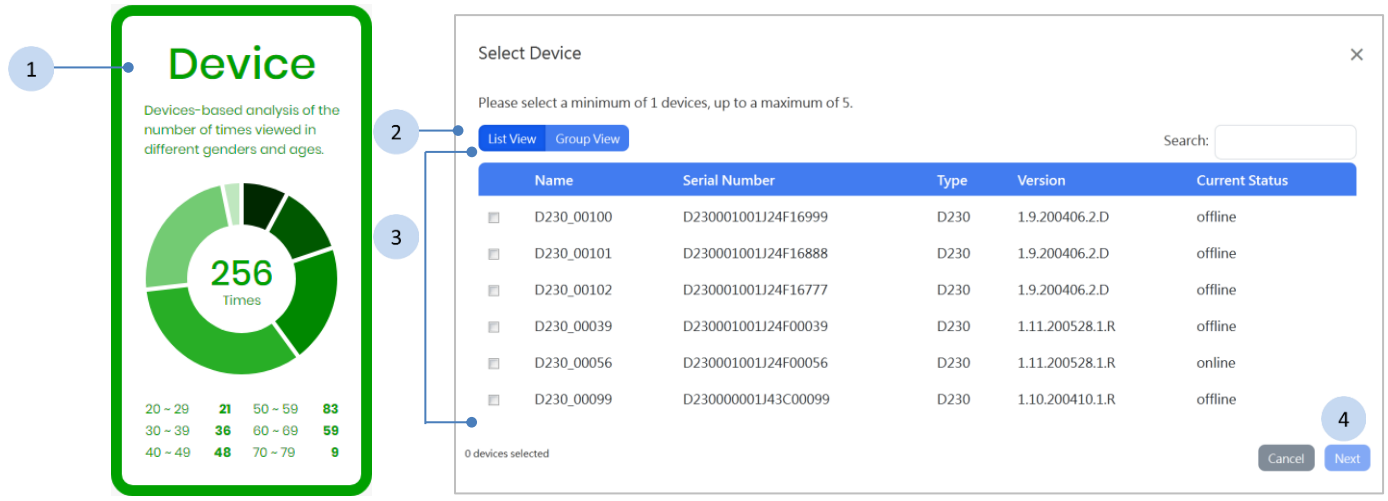
3 Click on the Next button to analyze data.

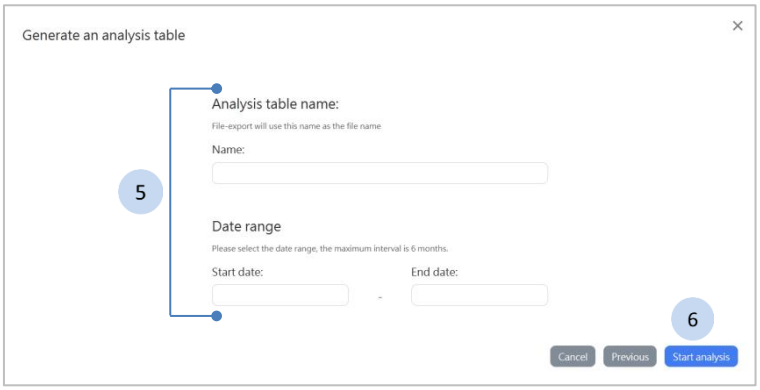
4 Enter the table name and select a period of time.

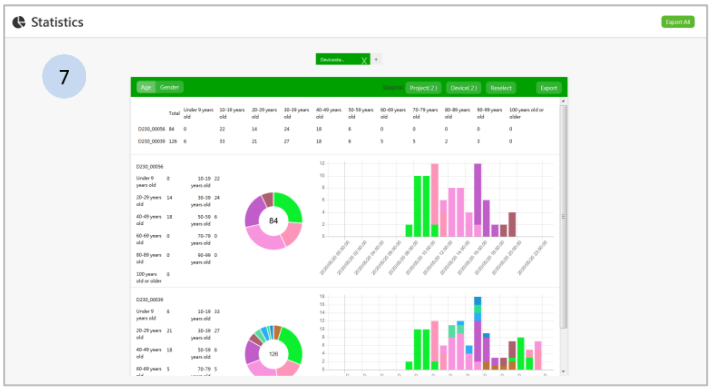
5 Click on the Start analysis button to start analysis.

6 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis Result” for the details of the table.

3.5.2 Devices







Steps

1 Click one the button to start a device analysis.

2 Click one the List View Group View button to toggle the device view.

3 Select a minimum of 1 device, up to a maximum of 5.

4 Click one the Next button to analyze data.

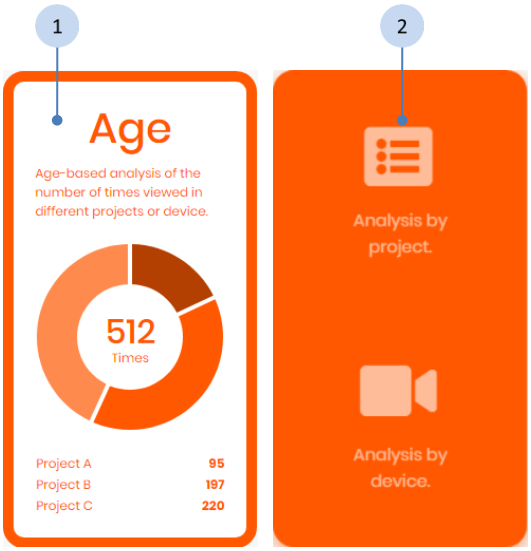
5 Enter the table name and select a period of time.

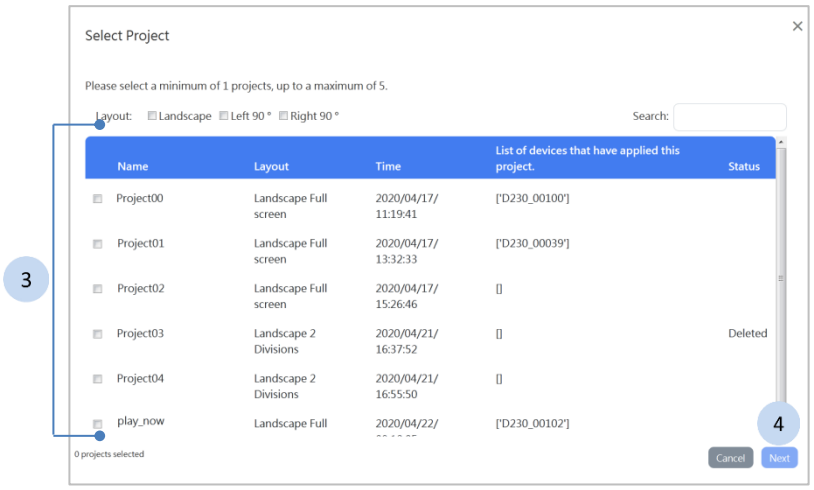
6 Click one the Start analysis button to start the analysis.

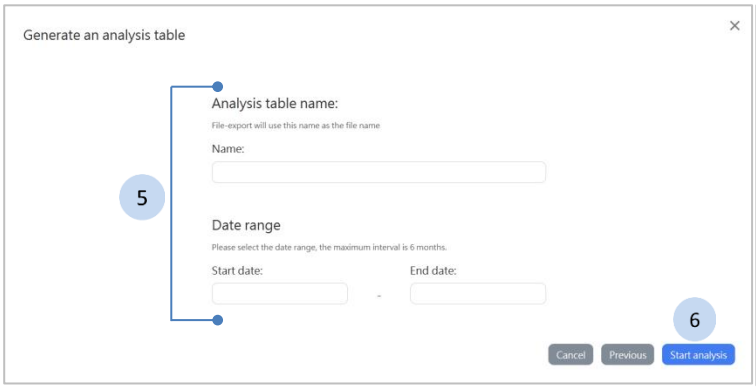
7 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis ” for details of the table.

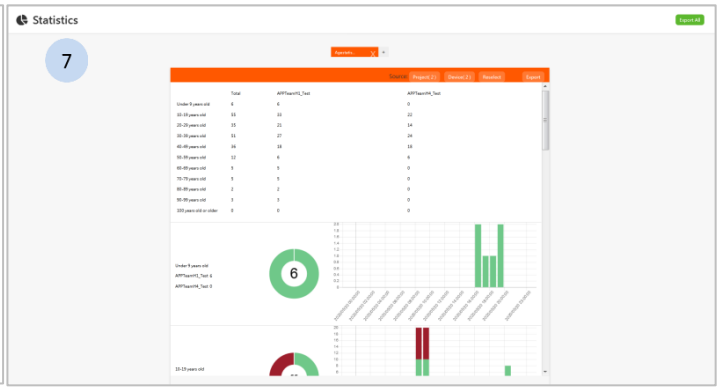
3.5.3 Age

Analyze age by project.









Steps

1 Click on the button to start an age analysis.

2 Click on the button.

3 Select a minimum of 1 project, up to a maximum of 5.

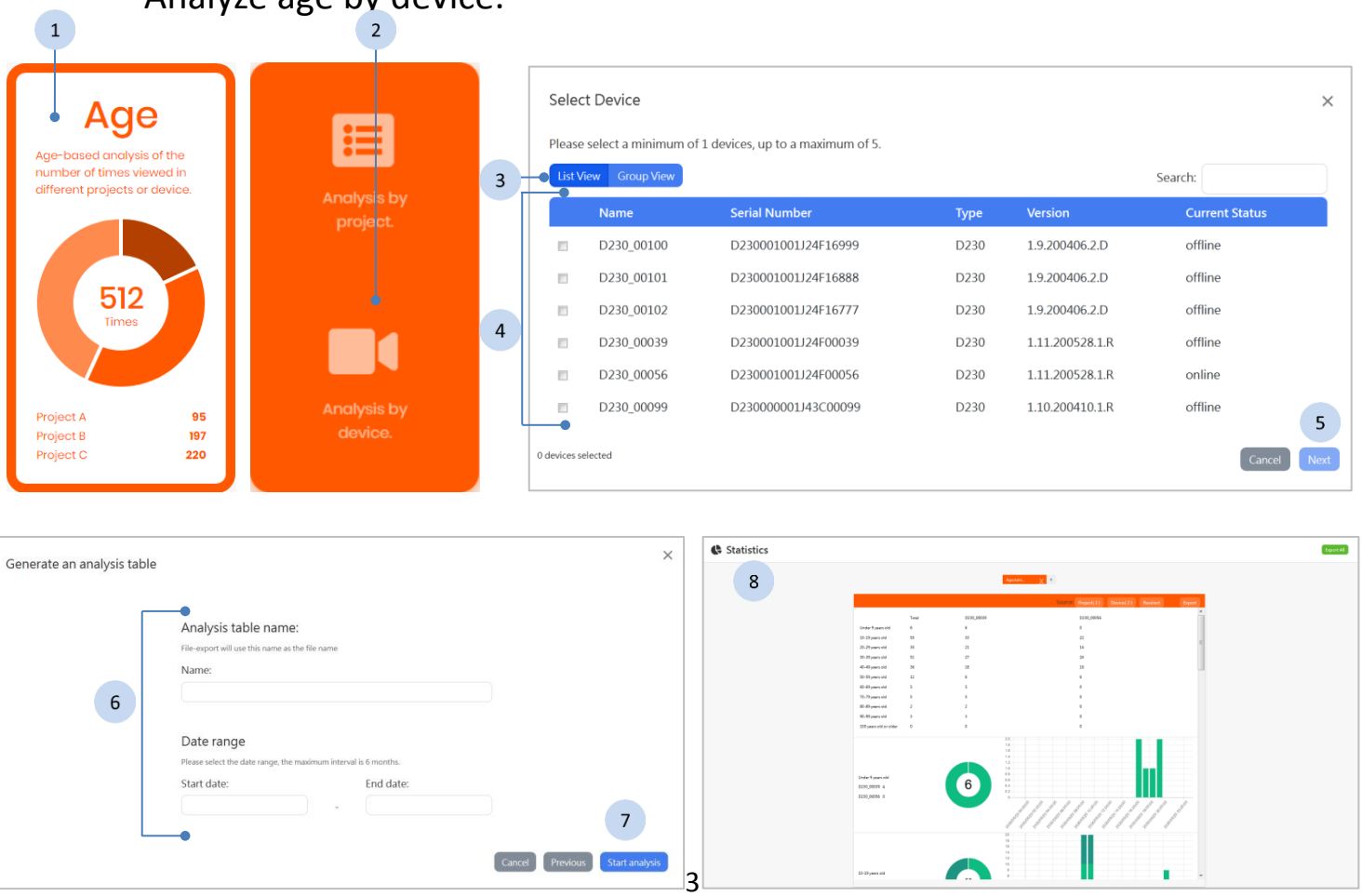
4 Click on the New button to analysis data.

5 Enter the table name and select date range.

6 Click on the Start analysis button to start analysis.

7 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis ” for details of the table.

Analyze age by device.



Steps

1 Click on the button to start an age analysis.

2 Click on the button.

3 Click on the List View Group View button to toggle the view of the device.

4 Select a minimum of 1 device, up to a maximum of 5.

5 Click on the New button to analyze the data.

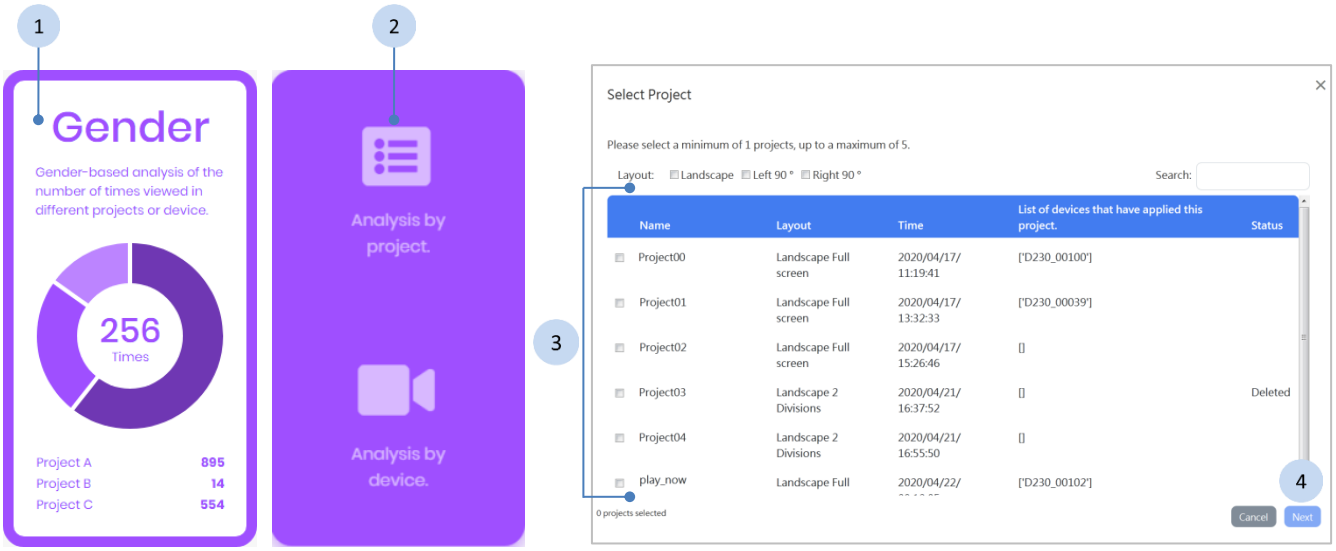
6 Enter the table name and select a period of time.

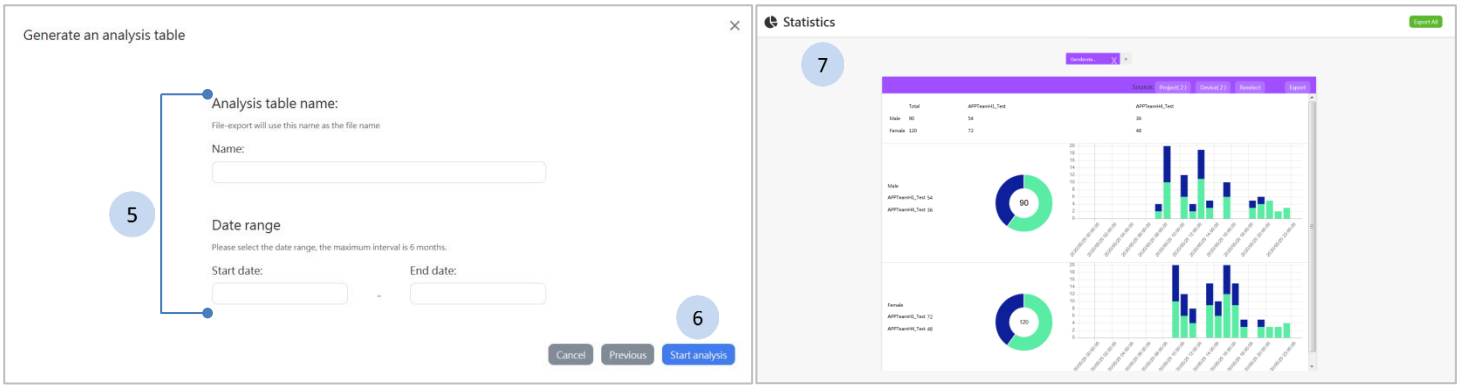
7 Click on the Start analysis button to start the analysis.

8 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis ” for details of the table.

3.5.4 Gender

Analyze gender by project.





Steps

1 Click on the button to start a gender analysis.

2 Click on the button.

3 Select a minimum of 1 project, up to a maximum of 5.

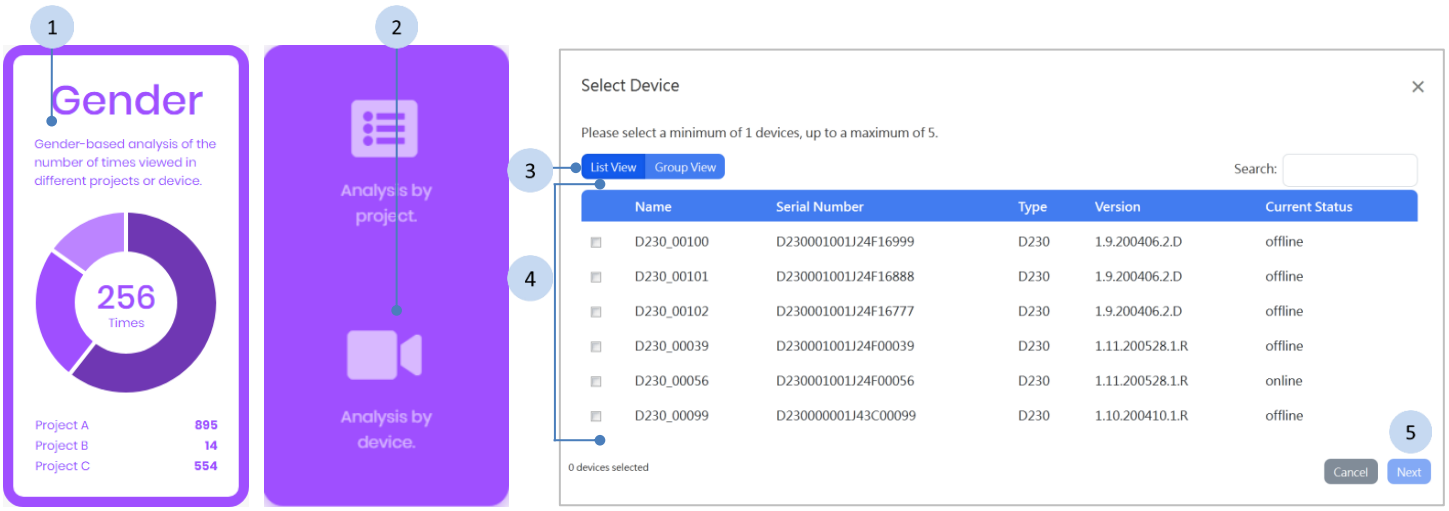
4 Click on the Next button to analyze the data.

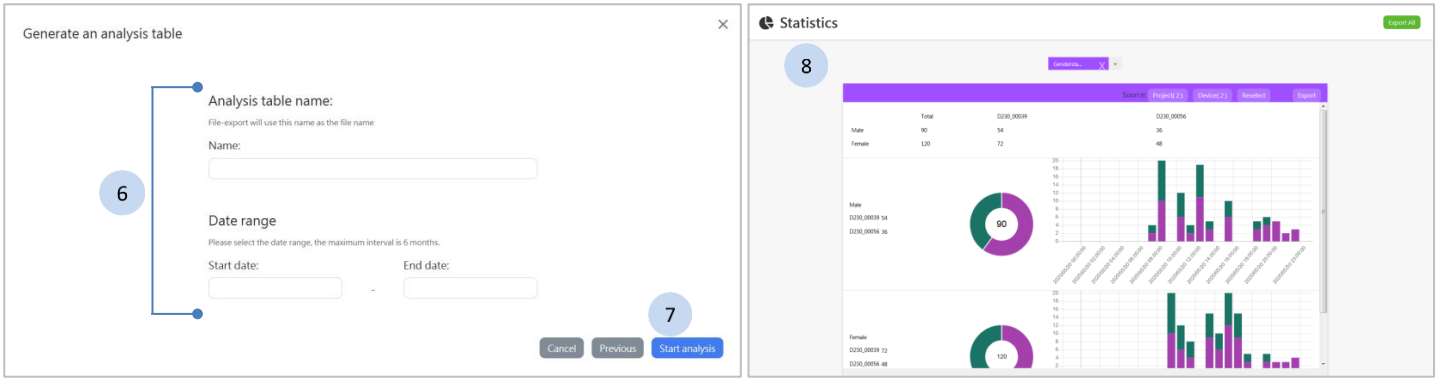
5 Enter the table name and select a period of time.

6 Click on the Start analysis button to start the analysis.

7 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis ” for details of the table.

Analyze gender by device.





Steps

1 Click on the button to start a gender analysis.

2 Click on the button.

3 Click on the List View Group View button to toggle the view of the device.

4 Select a minimum of 1 device, up to a maximum of 5.

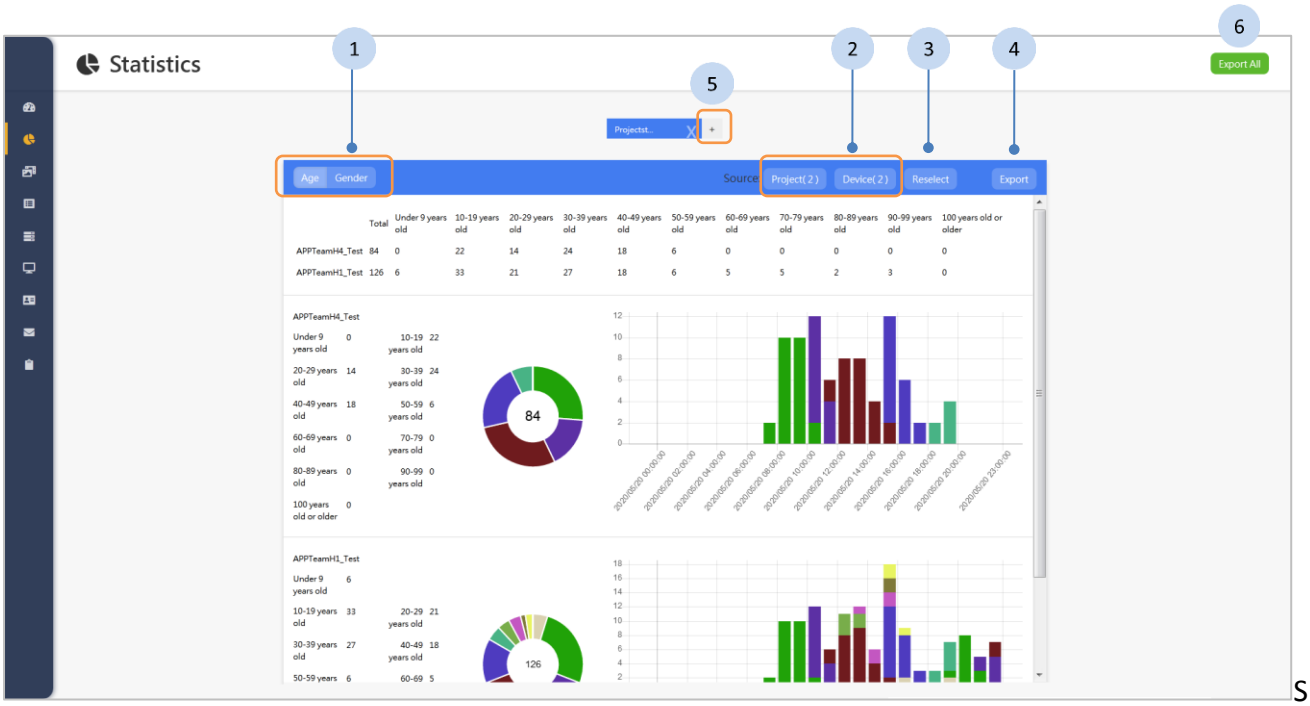
5 Click on the Next button to analyze the data.

6 Enter the table name and select a period of time.

7 Click on the Start analysis button to start the analysis.

8 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis ” for details of the table.

3.5.5 Analysis Result



Analysis results are displayed on the page, each table displays two columns of charts, and you can view the statistical results as required.

Steps

1 Click on the Age Gender button to toggle between the analysis results.

2 Click on the Project(2) Device(2) button to show the source of the analyzed.

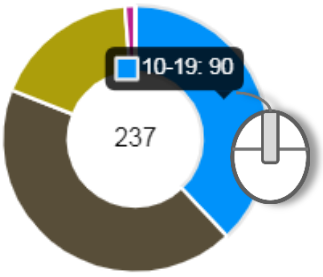
3 Click on the Reselect button to reselect a source, if required.

4 Click on the Export button to export analyzed data.

5 Click on the + button at the top of the page to add an analysis table.

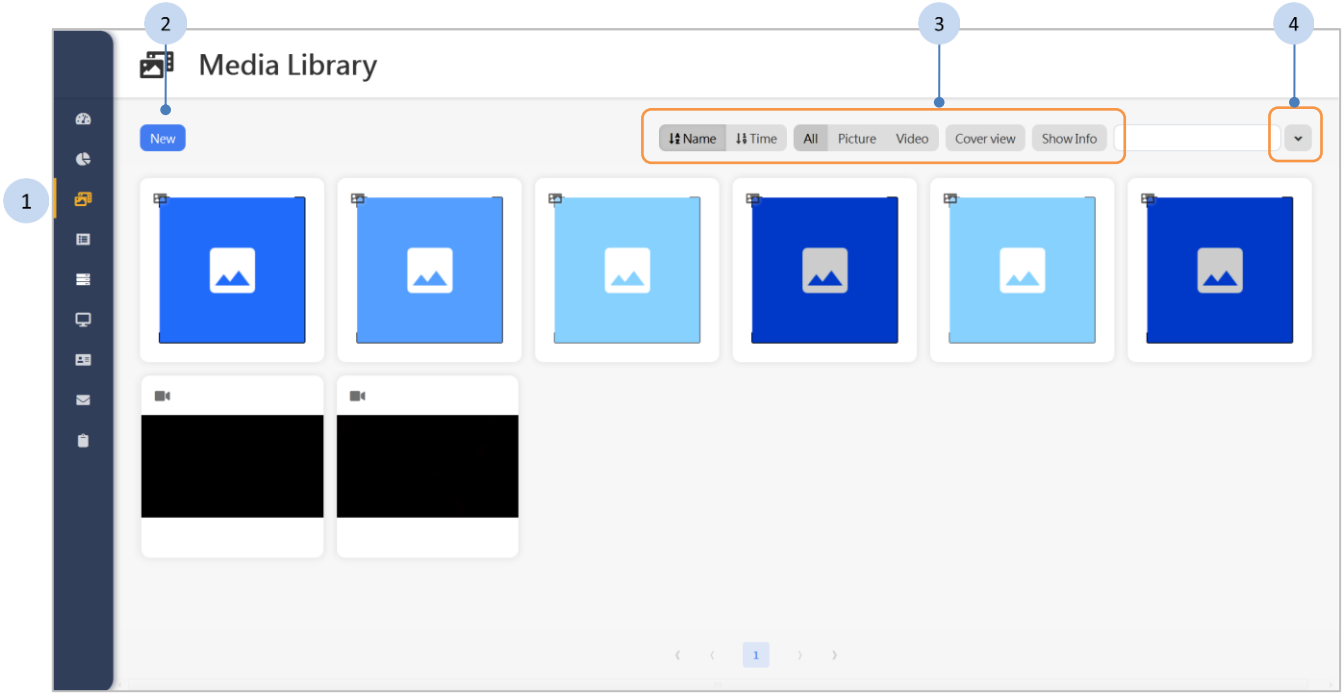
6 Click on the Export All button to export all tables, if required.

- Tips



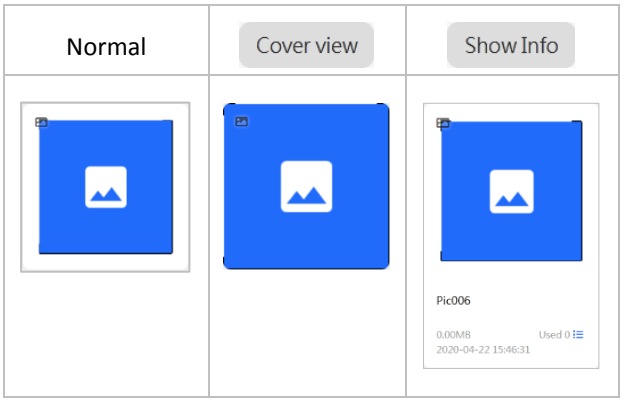
Move your mouse over the pie chart and bar chart to display the meaning of each part.

3.6 Media Library



Steps

1. Click on the Media library button on the sidebar, and the media library page will display on the right.
2. You can click on the New button to add media, if required. The details will be explained in chapter in chapter “3.6.1 Adding a media”.
3. You can click on the top menu and follow the steps below, if required.
   - Name Time : To sort media by name or creation time.
   - All Picture Video : To filter the type of media as all, pictures or videos to display.
   - Cover view : To display media thumbnail as a cover.
   - Show Info : To display media information, including name, size, amount of media used and creation time. In the “Show info” mode, you can click on the button to refer which projects used this media.

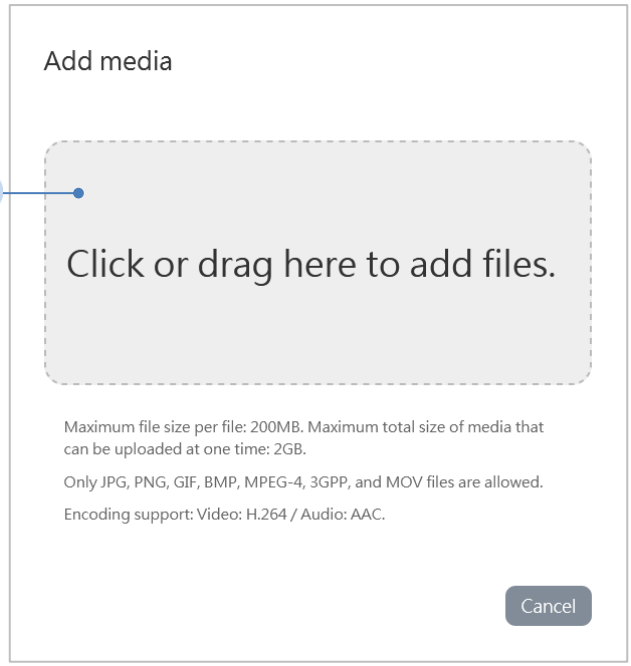


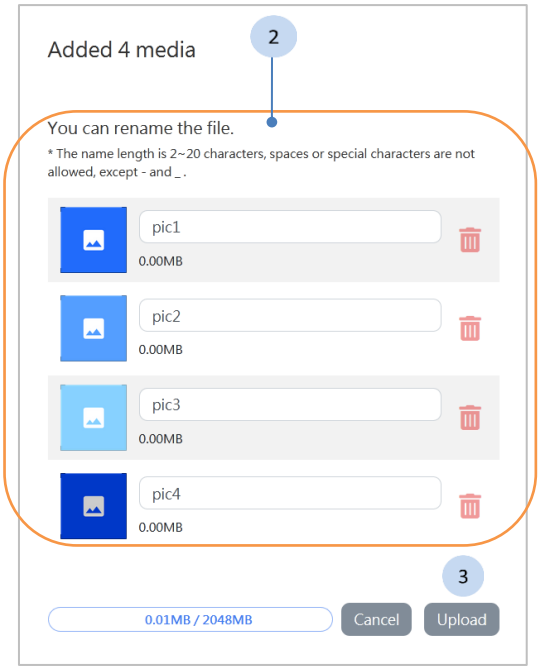
4. You can click on the button to expand or the button to collapse the filter menu and follow the steps below, if required.

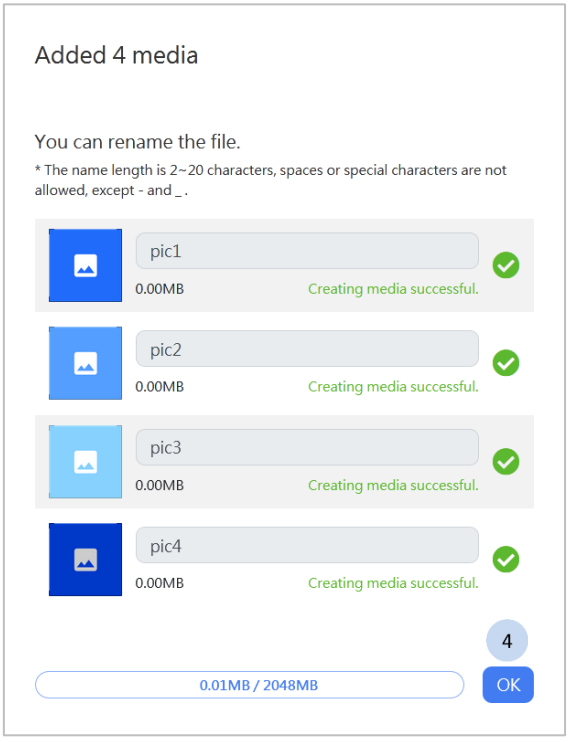
- Show unused media : To show the unused media by ticking this checkbox.
- Select All : To select all unused media.
- Select None : Select none to unselect all the unused media.
- Delete Media: n : To delete media. "*n*" is the number of media to be deleted.

> Only unused media can be deleted.

3.6.1 Adding a media







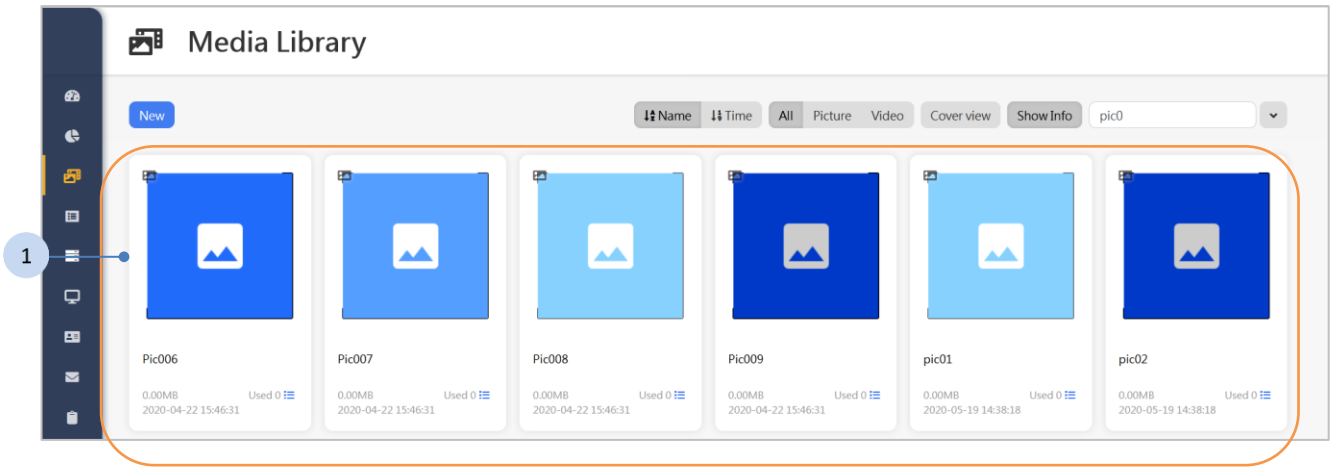
Steps

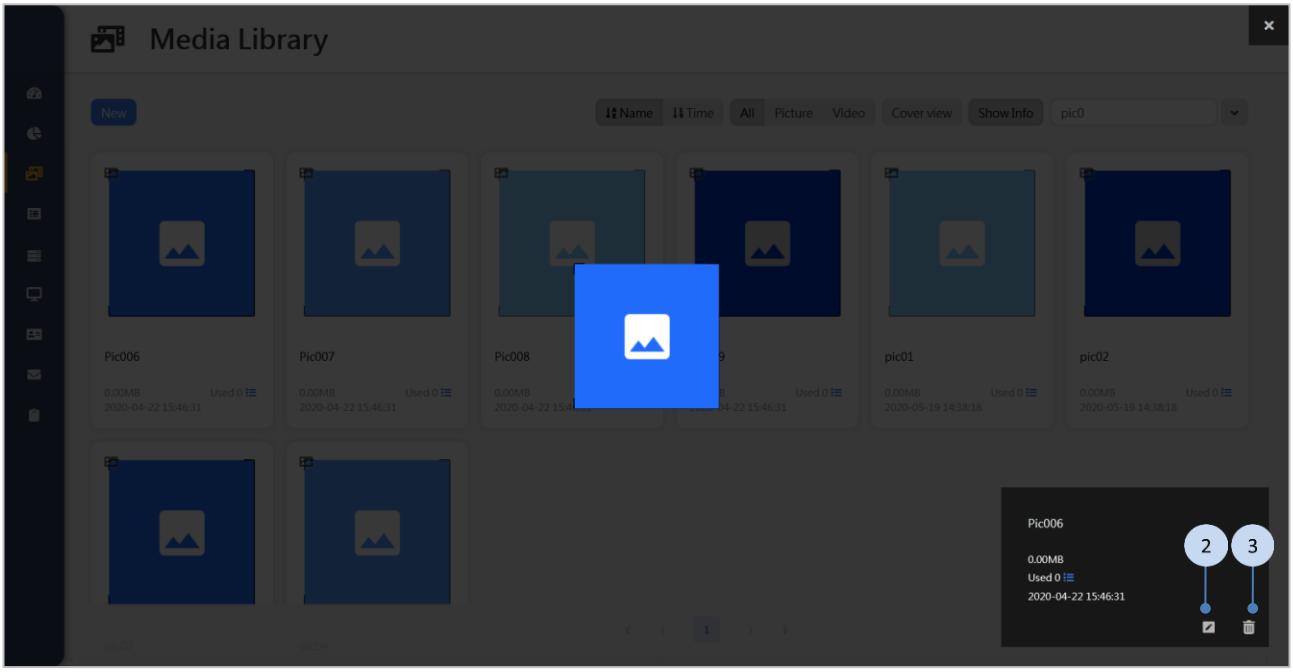
1. You can click to select or drag files to add media.
2. You can rename the media file or press the button to remove the item.
3. Press the Upload button to upload media files.
4. The upload result will be displayed in the list, press the OK button to finish adding media.

Maximum file size per file: 200MB. Maximum total size of media that can be uploaded at one time: 2GB.

Only JPG, PNG, GIF, BMP, MPEG-4, 3GPP, and MOV files are allowed. Encoding support: Video: H.264 / Audio: AAC.

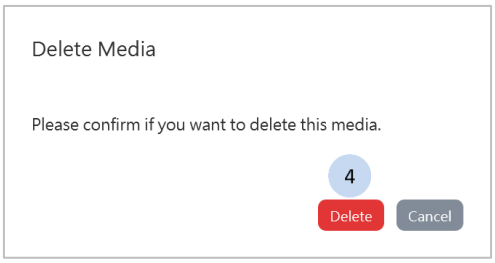
3.6.2 Editing a media





Steps

1. Click on the media thumbnail.
2. Press the button to rename media name and click on the button to save it, if required.
3. Press the button to delete this media, if required.

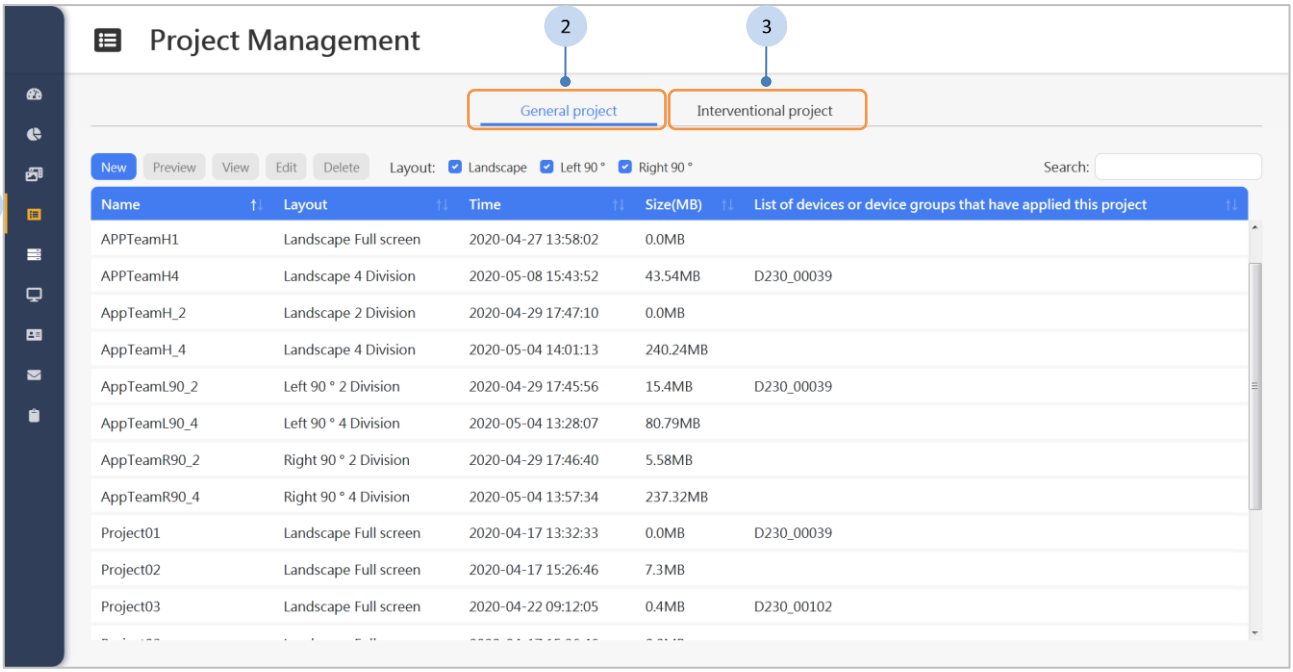


When the media is used by a project, it cannot be deleted. Please go to the project management page to remove and then delete the media then go back to the media library page to delete the media.

Steps

1. If a project uses this media, please click the project from the list.
2. Remove this media from the project management page.
3. Go back to media library page. Press the Recheck button to recheck whether the media is being used by any project.
4. If the media is not used by any project, press the Delete button to confirm the deletion.

3.7 Project Management



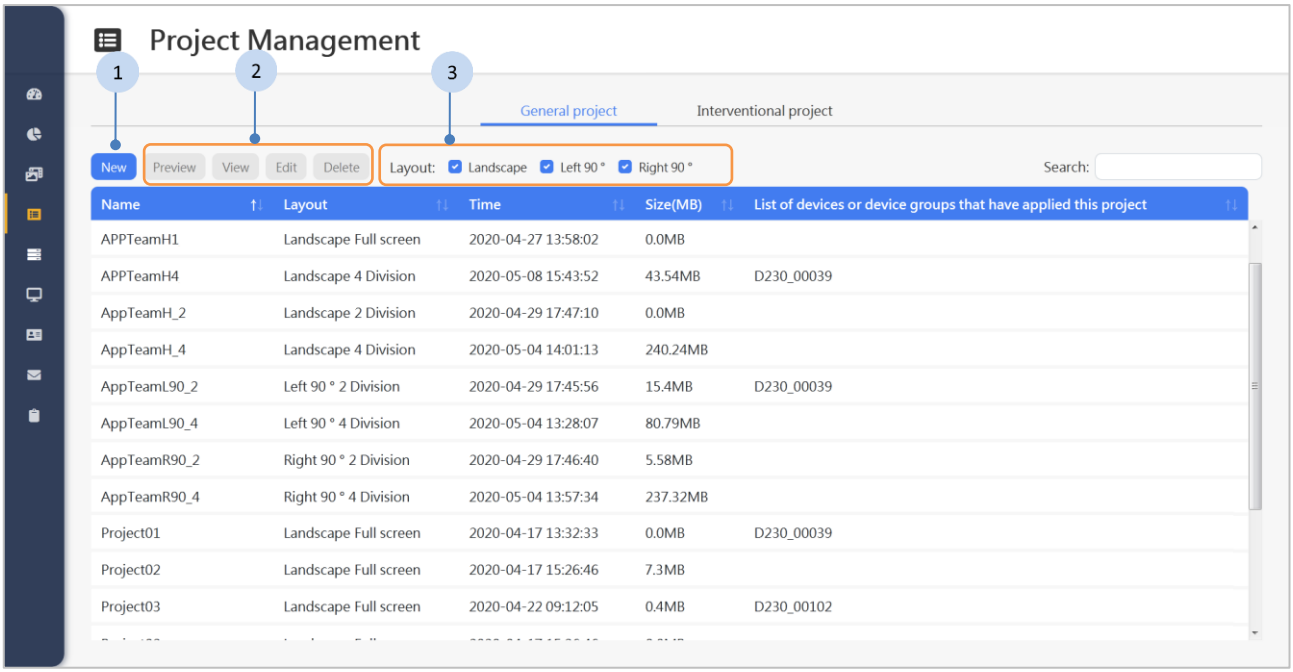
Steps

1. Click on the

button on the sidebar, and the project management page will display on the right.
2. Click on the “General project” tab to view the general project list. Please refer to the next chapter “3.7.1 General project”.
3. Click on the “Interventional project” tab to view the interventional project list. Please refer to the next chapter “3.7.2 Interventional project”.

General projects can be used with schedules to play projects as planned. The Interventional type project can be inserted and played immediately.

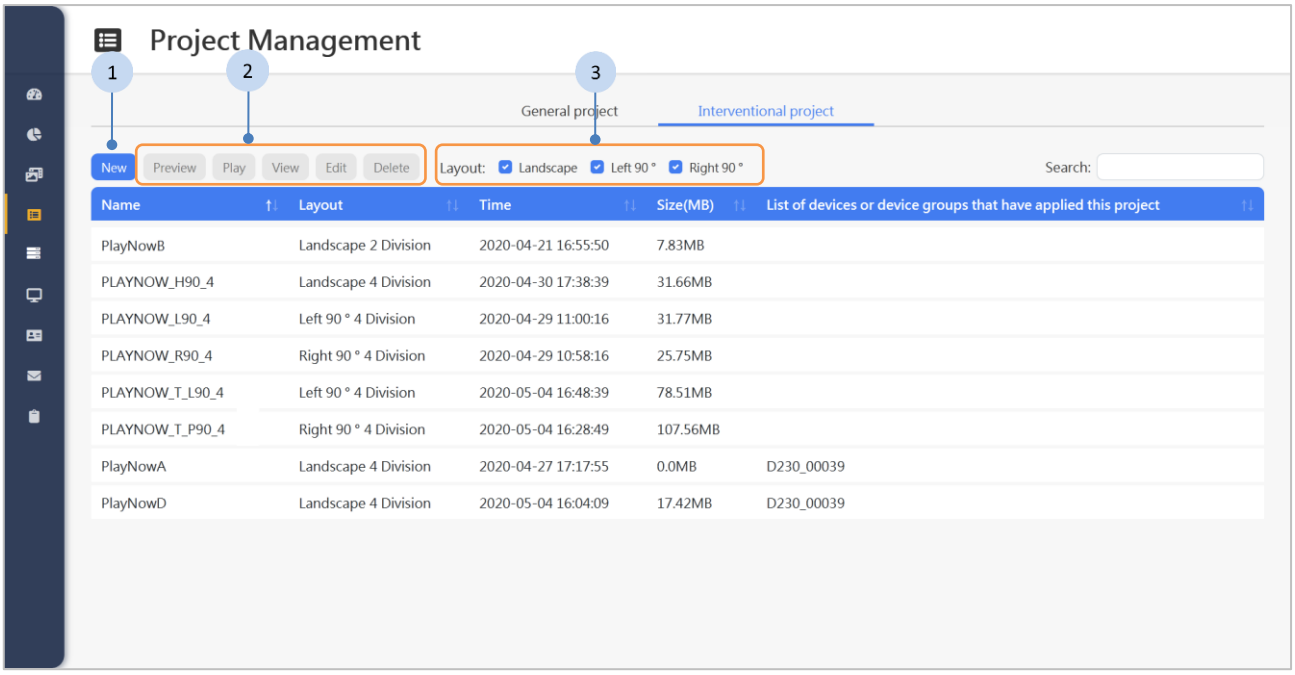
3.7.1 General project



Steps

1. You can click on the New button to create a project, if required. More details on this will be explained in the chapter “3.7.3 Creating a project”.
2. You can choose a project from the list and follow the steps below, if required.
   - Preview : The description of the preview is described in the chapter “3.7.5 Preview”.
   - View: Shows the Project details.
   - Edit: Edits the Project.
   - Delete: Deletes the Project.
3. You can adjust the layout from the project list and choose Landscape, Left 90 ° or Right 90 ° by ticking the relevant checkbox Layout: Landscape Left 90 ° Right 90 °, if required.

3.7.2 Interventional project

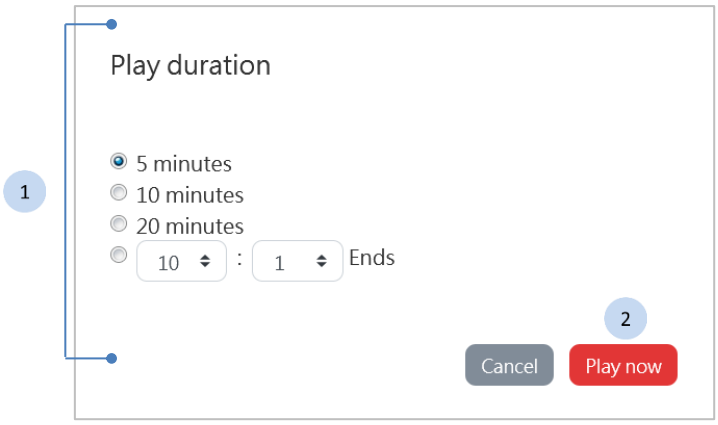


Steps

1. You can click on the New button to create a project, if required. More details on this will be explained in the chapter “3.7.3 Creating a project”.
2. You can choose a project from the list and follow the steps below, if required.
   - Preview: The description of the preview is described in the chapter “3.7.5 Preview”.
   - Play: The description of the play is described in the chapter “Playing an interventional project”.
   - View: Shows the Project details.
   - Edit: Edits the Project.
   - Delete: Deletes the Project.
3. You can adjust the layout from the project list and choose Landscape, Left 90 ° or Right 90 ° by ticking the relevant checkbox Layout: ☐Landscape ☐Left 90 ° ☐Right 90 °, if required.

⚠ It can only be inserted after the device has been fully synchronized with the “Interventional Project”. The time to synchronize the project will be affected by the quality of the network environment.

Playing an interventional project



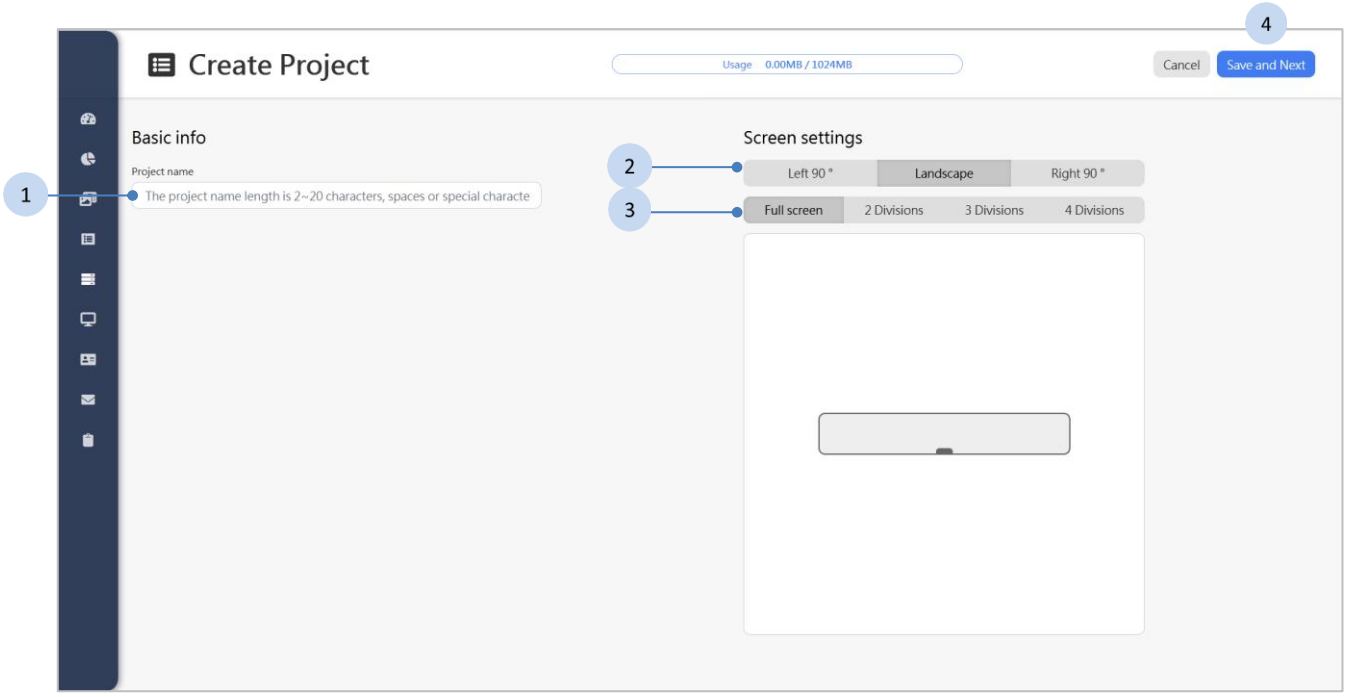
Steps

1. Choose or setting the play duration.
2. Click on the Play now button to play the interventional project.

> Interventional Project must be bound to the device to be inserted, please refer to "Interventional Project" in chapter "3.8.3 Editing a device" for how to bind.

3.7.3 Creating a project

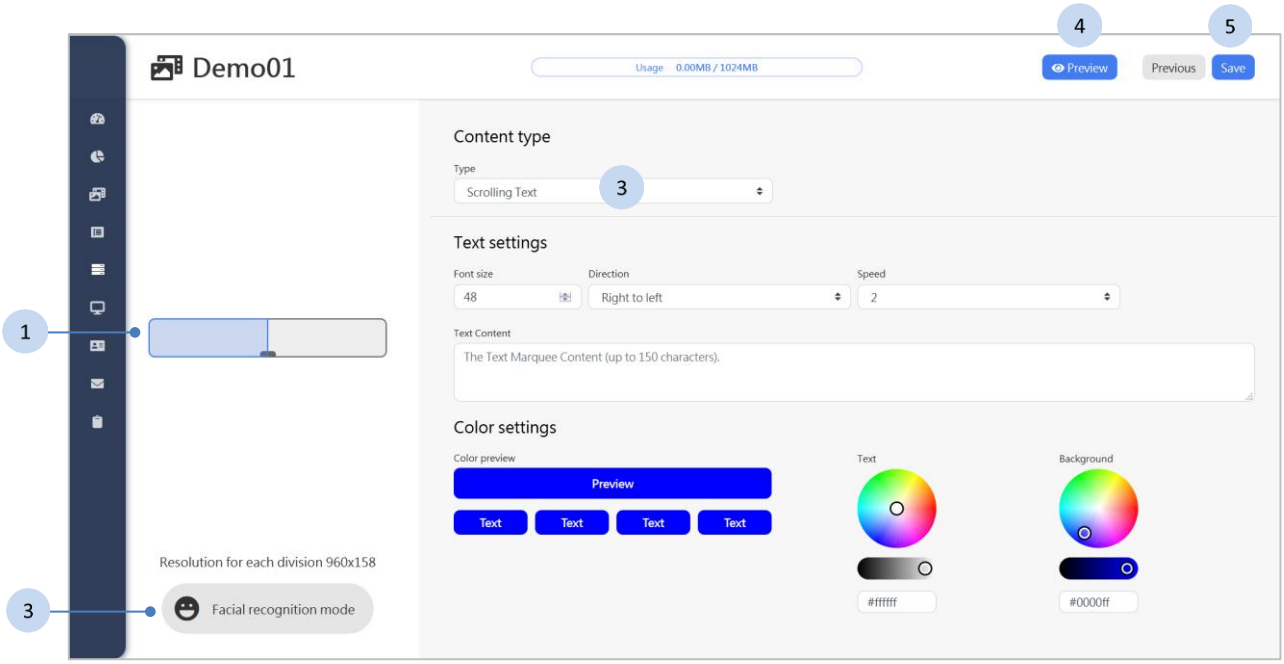
Setting the basic info of a project



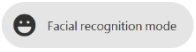
Steps

1. Enter a project name.
2. Select a layout.
3. Select division of the layout.
4. Click on the Save and Next button to save the project name and layout.

Editing a Standard Content

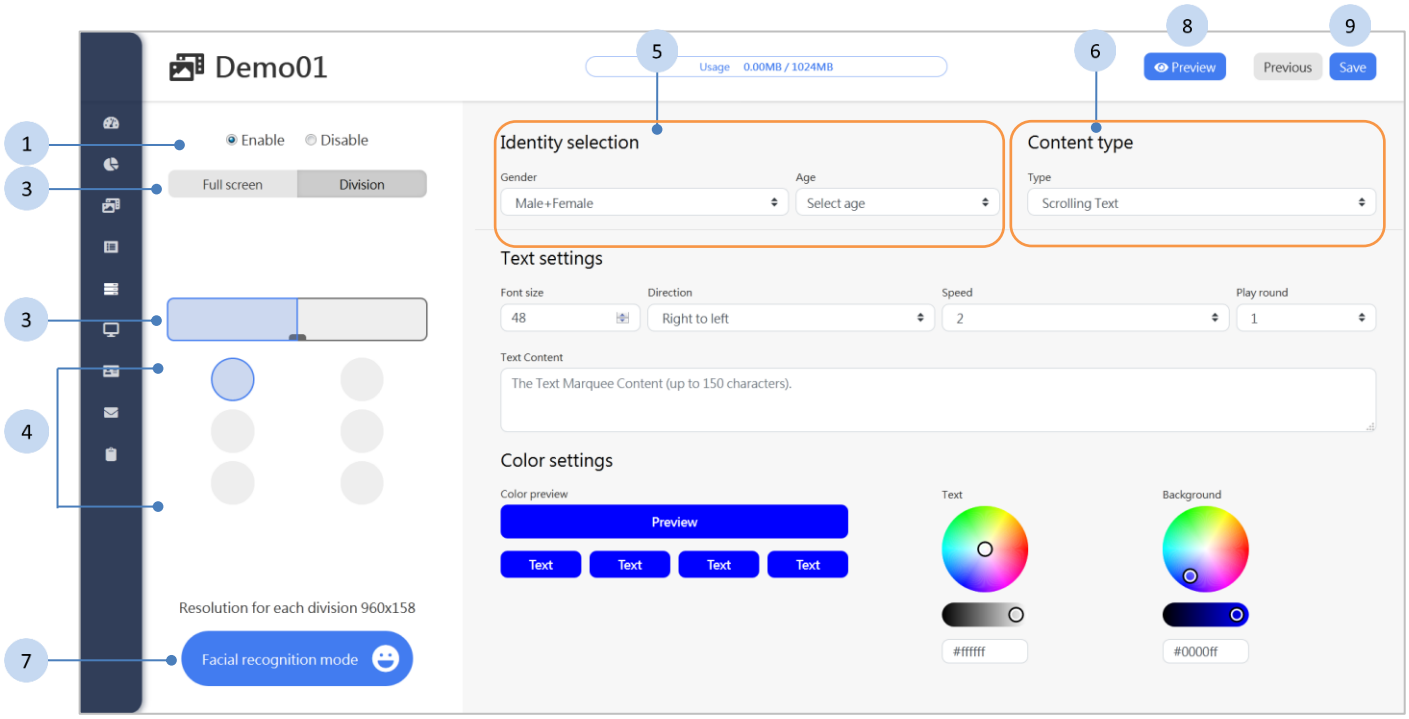


Steps

1. Select the division.
2. Select the “Content Type” and fill in the content. The details will be explained in the chapter “3.7.4 Content Type”.
   - Scrolling Text
   - Picture and Video
3. Click on the  button to switch to “Facial recognition mode”, if required. The next chapter “Editing Facial Recognition Content” explains more details on this.
4. Click on the button to preview the content. The description of the preview is described in the chapter “3.7.5 Preview”.
5. Click on the button to finish.

The scrolling text, pictures and videos set as “Standard Content” will be played continuously.

Editing Facial Recognition Content

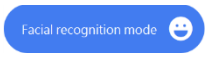


Steps

1. Enable “Facial Recognition”.
   - Enable: Use feature detection.
   - Disable: Do not use feature detection.
2. Choose full screen or division.
   - Full: Recognized content plays on full screen.
   - Division: Recognized content plays on selected divisions on the screen.
3. Choose the division where to display “Facial Recognition” content.
4. Click on the button to set the conditions. Up to 3 conditions can be set for the full screen and each division.
5. Set the “Identity selection”
   - Choose Gender.
   - Choose Age.

⚠ The conditions set for each division cannot overlap with the full screen.

⚠ The three conditions set by each division cannot be overlap.

6. Select “Content Type” and fill in the content. More details on this will be explained in the chapter “3.7.4 Content Type”.
   - Scrolling Text
   - Picture and Video
7. You can click on the 

button to back the standard content settings, if required.
8. Click on the

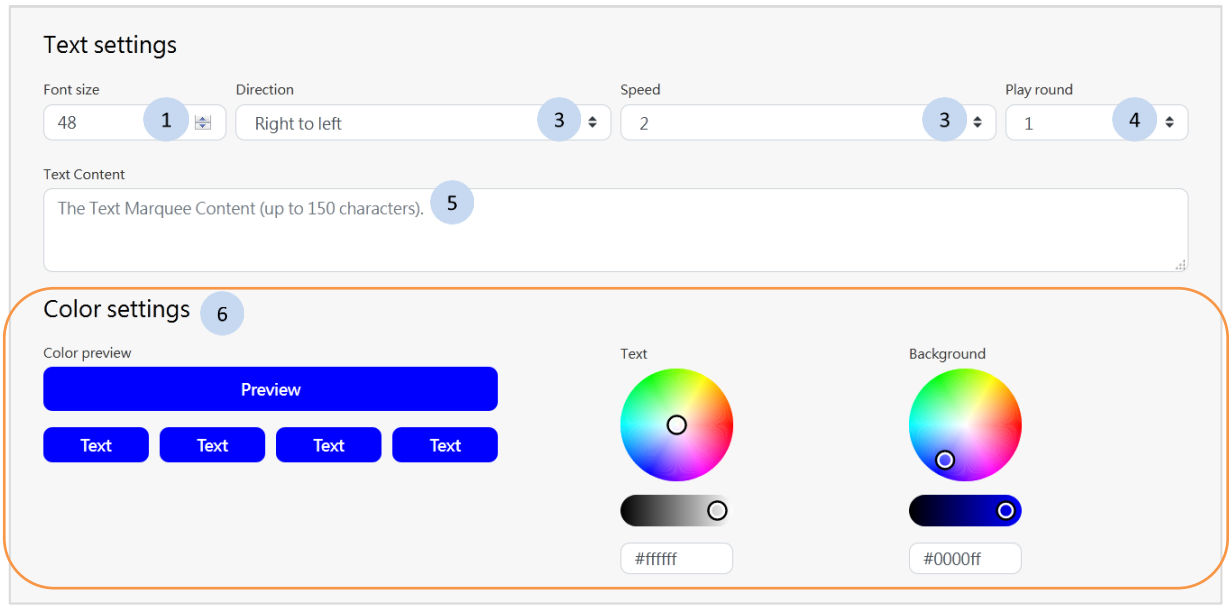
button to preview the content. The description of the preview is described in the chapter “3.7.5 Preview”.
9. Click on the

button to finish.

⚠ The picture of recognized content depends on the switching time. All videos selected for recognized content will be fully played once then. Afterwards, playback of the original content resumes.

3.7.4 Content Type

Scrolling Text



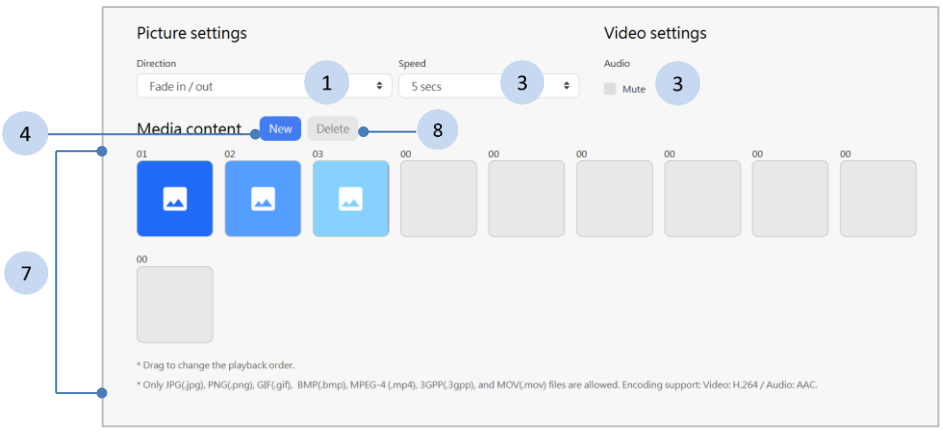
Steps

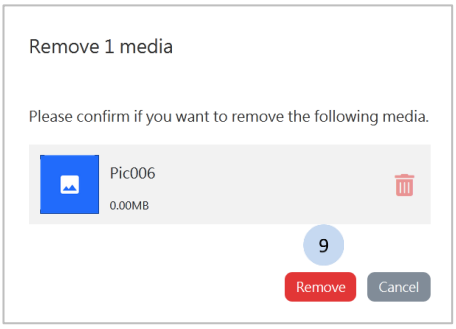
1. Choose the font size (24-160 pt).
2. Set the direction of the rolling text.
3. Set the speed of the rolling text.
4. Set the rounds of playing. (Only available in facial recognition mode)
5. Enter the text content (upmost 150 characters).
6. Select the text color and Background color or select the history color.

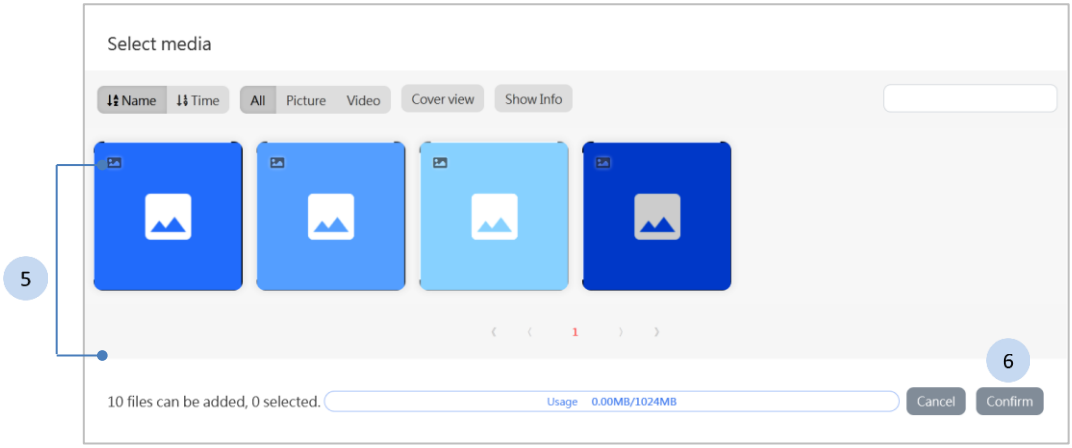
The scrolling text only supports landscape layout, and supports English, Chinese, Japanese and numbers in portrait mode (Left 90° and Right 90°).

The scrolling text set as "Facial Recognition Content" will play as many times as defined by the playing rounds.

Picture and Video







Steps

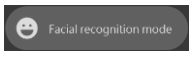
1. Select the direction of the picture that is to appear on the screen.
2. Select the duration.
3. Check the“Mute” box to mute the video if required.
4. Click on the New button to add media files.
5. Click on the thumbnail to select files from media library. Please refer to chapter “3.6 Media Library” about how to use the above menu.
6. Click on the Confirm button to add media files (limit: 10 files) and go back to the content settings.
7. You can hold the thumbnail and drag to change the playing order.
8. Select the media and click on the Delete button to remove the file if required.
9. Click on the Remove button to confirm to remove the media.

The media is removed from the project here. To delete the file, please go to the media library to delete it.

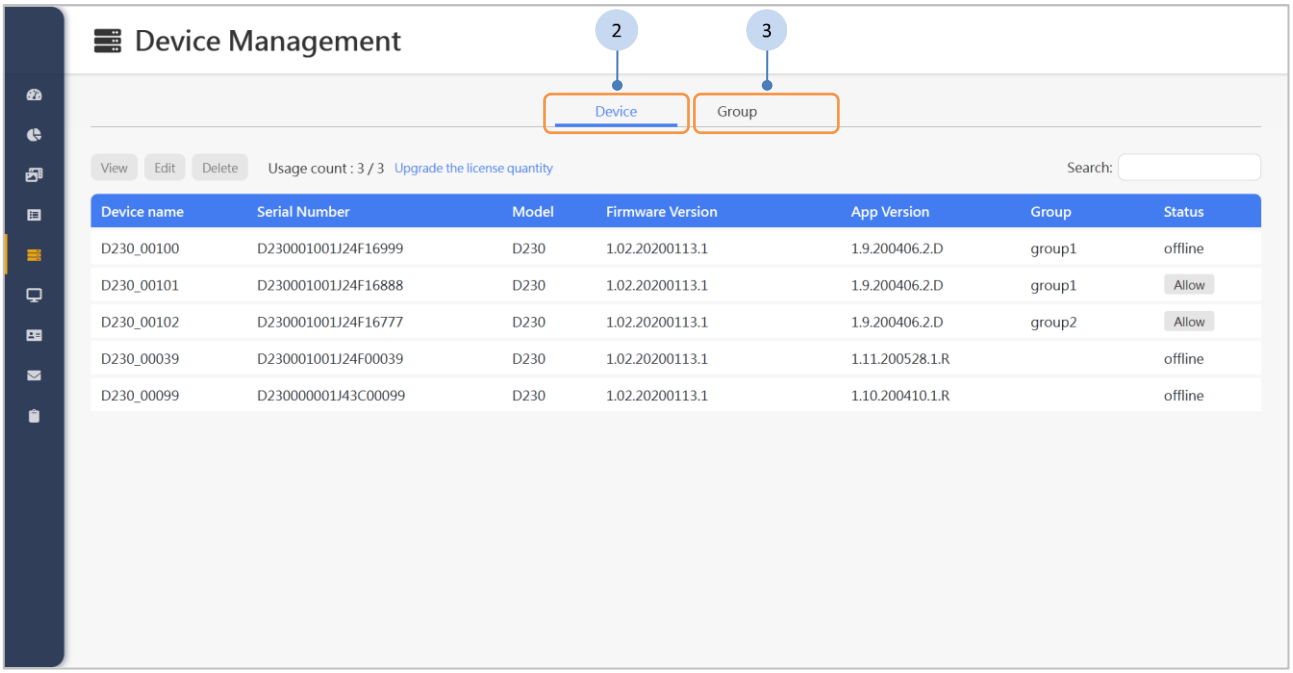
3.7.5 Preview

The preview page will rotate the content as set by “Standard content”.

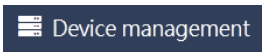
Steps

1. Click on the  button to toggle between “Facial recognition mode” and “Standard content”.
2. In “Face recognition mode”, you can select “Gender” and “Age” according to the identity selection. A preview of the screen seen that will be shown to the audience of D230 device can be displayed.
3. Click on the button to finish the preview.

3.8 Device Management

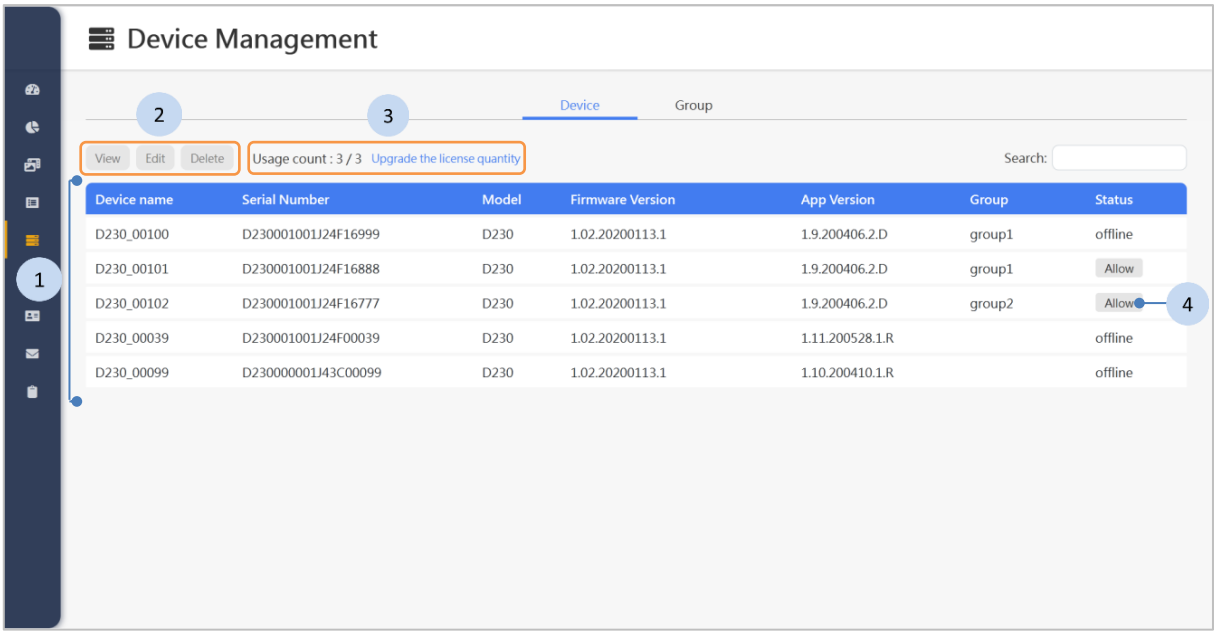


Steps

1. Click on the 

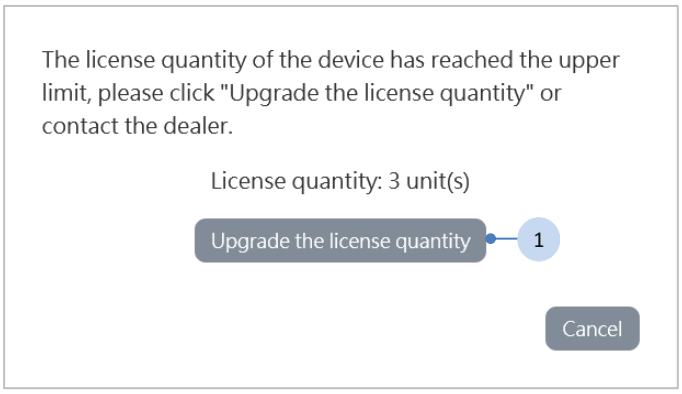
button on the sidebar, and the device management page will display on the right.
2. Click on the “Device” tab to view the device list. The description of the device is described in the chapter “3.8.1 Device List”.
3. Click on the “Group” tab to view the group list. The description of the group is described in the chapter “3.8.5Device group list”.

3.8.1 Device List



Steps

1. Click on the device from the list.
2. Follow the steps as required.
   - View: Click to view the details of device. The description on how to view a device can be found in the next chapter “3.8.2 Viewing a Device”.
   - Edit: Click to edit the device. The description on how to edit a device can be found in the chapter “3.8.3 Editing a device”.
   - Delete: Click to delete the device, please refer to chapter “3.8.4Delete device”.
3. Click on the "Upgrade the license quantity" button if you need to upgrade the license quantity. After clicking, you will enter the Shuttle software activation service system. Please download the activation key and send it to the services commissioner. After the services commissioner gives the certificate, upload this certificate to complete the upgrade the license quantity. For detailed flow, please refer to "2.1 System software activation".
4. The Allow button in the status display in indicates that approval of this device is pending. You can click the button to allow the device to be added to the list.



When the license quantity of the device has reached the upper limit, the device cannot be allowed.

Steps

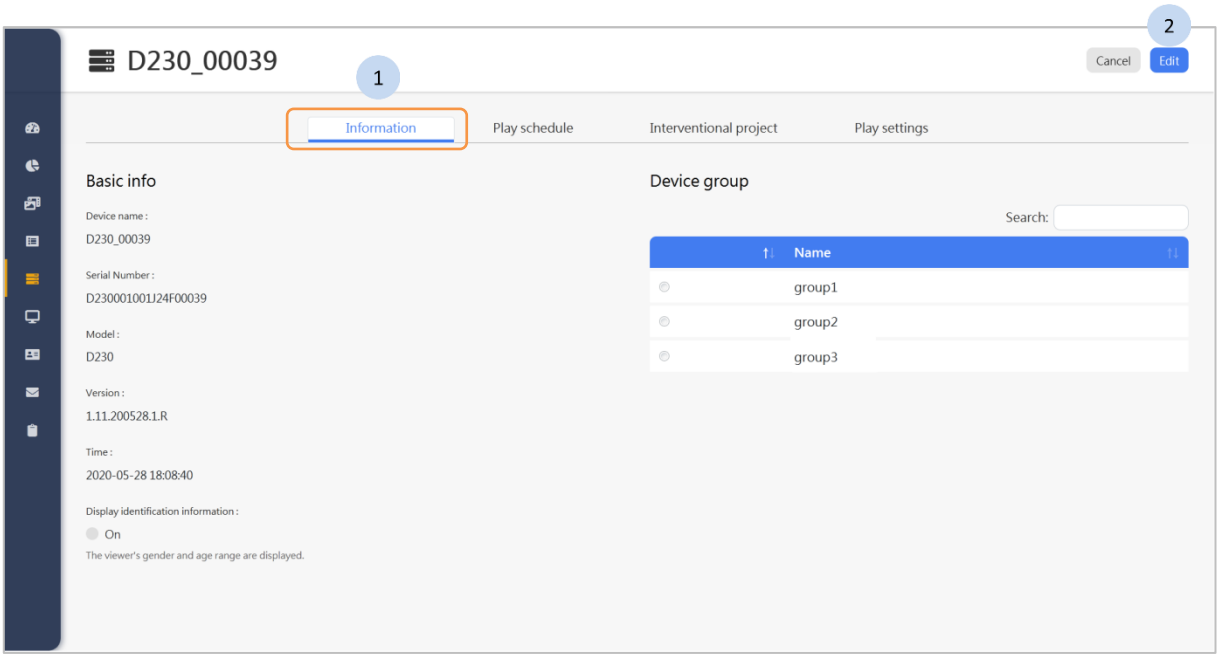
1. Click on the Upgrade the license quantity button or contact the dealer if you want to upgrade the quantity. After clicking, you will enter the Shuttle software activation service system. Please download the activation key and send it to the services commissioner. After the services commissioner gives the certificate, upload this certificate to complete the upgrade license quantity. For detailed flow, please refer to "2.1 System software activation".

⚠ A device with pending approval cannot synchronize information with the system.

⚠ When a device is deleted, all schedules on that device will be cleared. The user needs to reboot the D230 to return to the pending approval status.

3.8.2 Viewing a Device

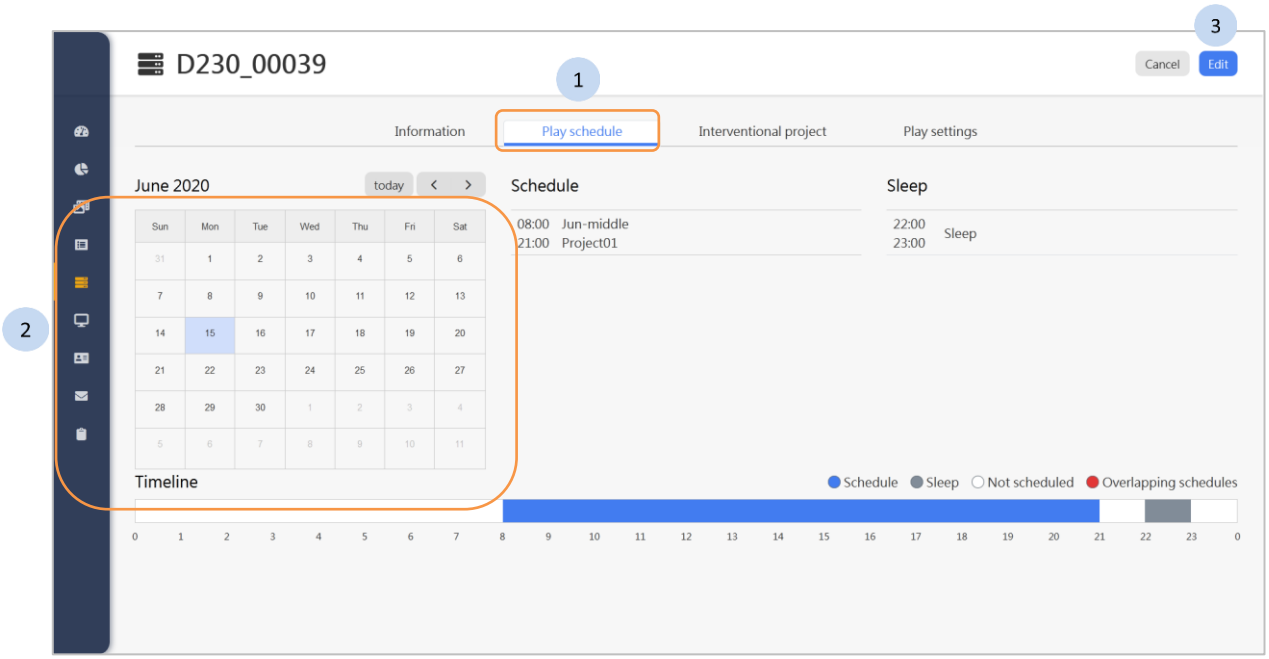
Viewing Information



Steps

1. Click on the “Information” tab to view the device information. On this page it displays basic information about the device and the group which it belongs to.
2. Click on the Edit button at the top to edit the device, if required.

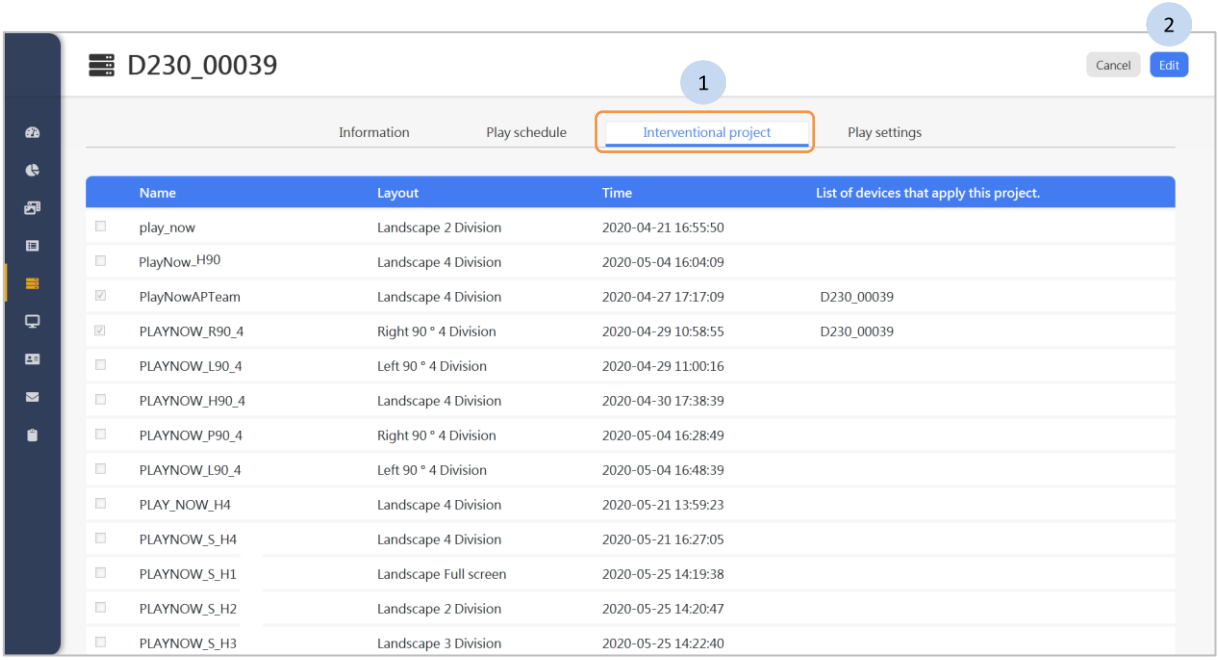
Viewing the Play Schedule



Steps

1. Click on the “Play schedule” tab to view the Play schedule.
2. Click on the date in the calendar you want to view. You can click on the < > button to switch months, or click today button to go back today.
3. Click on the Edit button at the top to edit the device, if required.

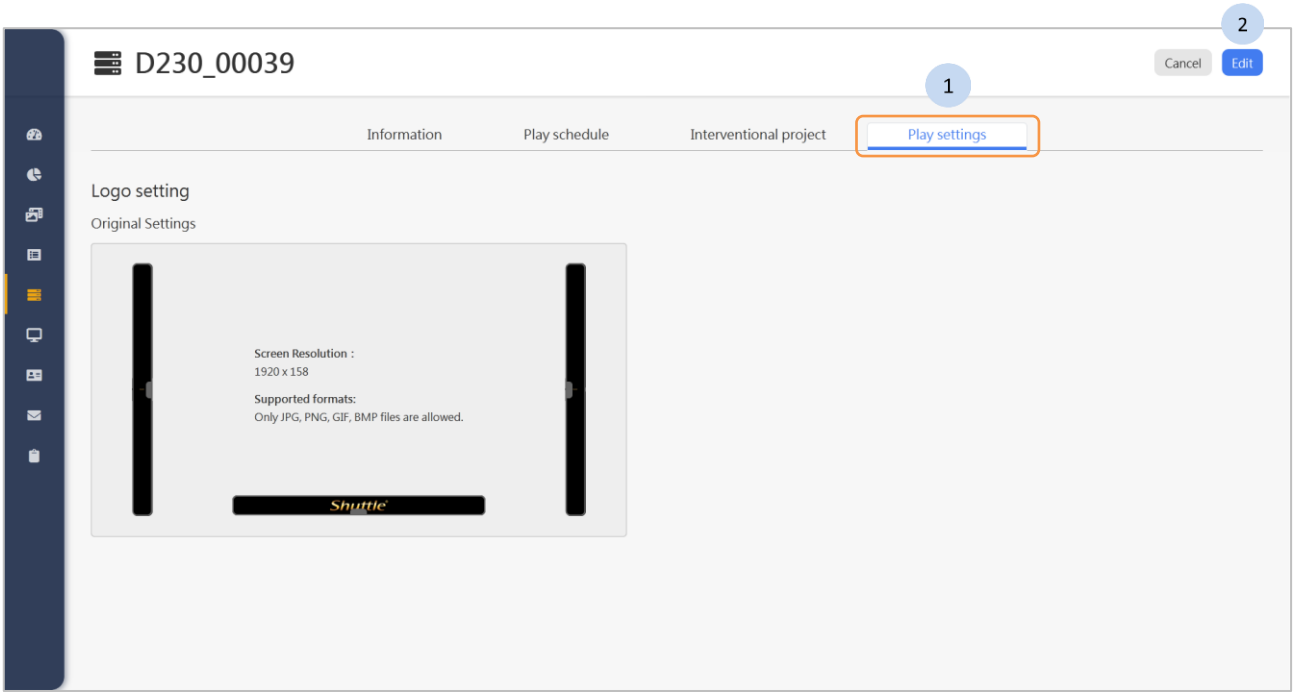
Viewing the Interventional Project



Steps

1. Click on the “Interventional project” tab to view the interventional projects bundled with this device.
2. Click on the Edit button at the top to edit the device, if required.

Viewing the Play Settings



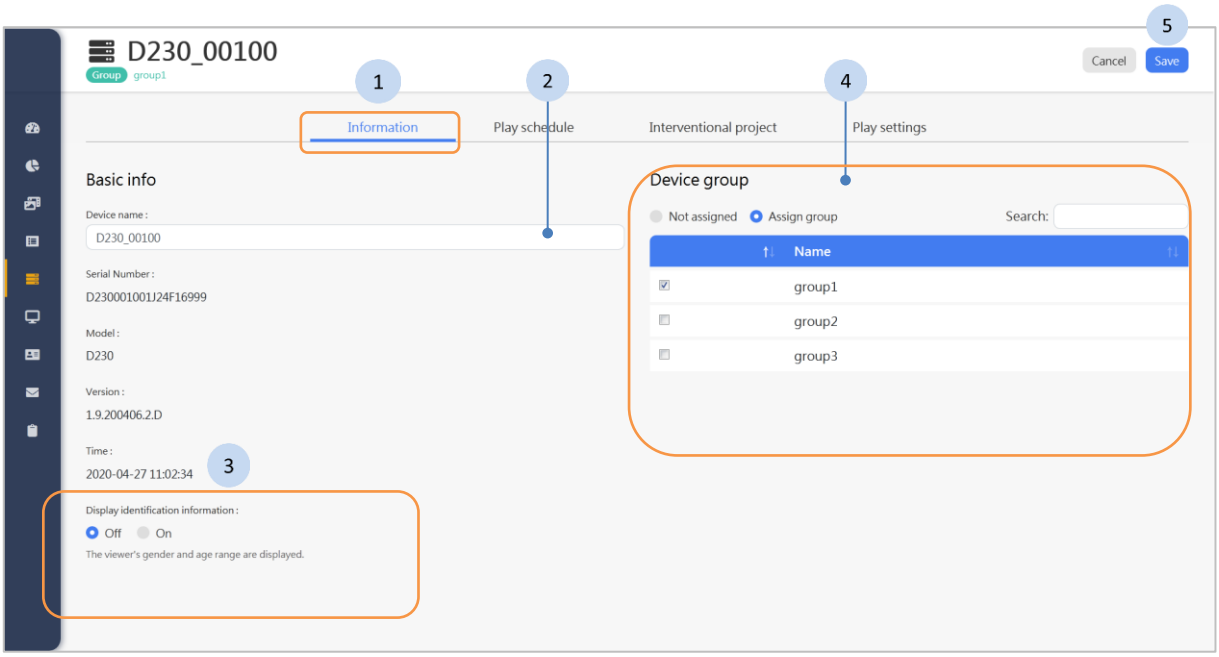
Steps

1. Click on the “Play settings” tab to view the Play settings.
2. Click on the Edit button at the top to edit the device, if required.

3.8.3 Editing a device

If the device is assigned to a group, the user can only edit the play schedule, interventional project and play settings via group.

Information



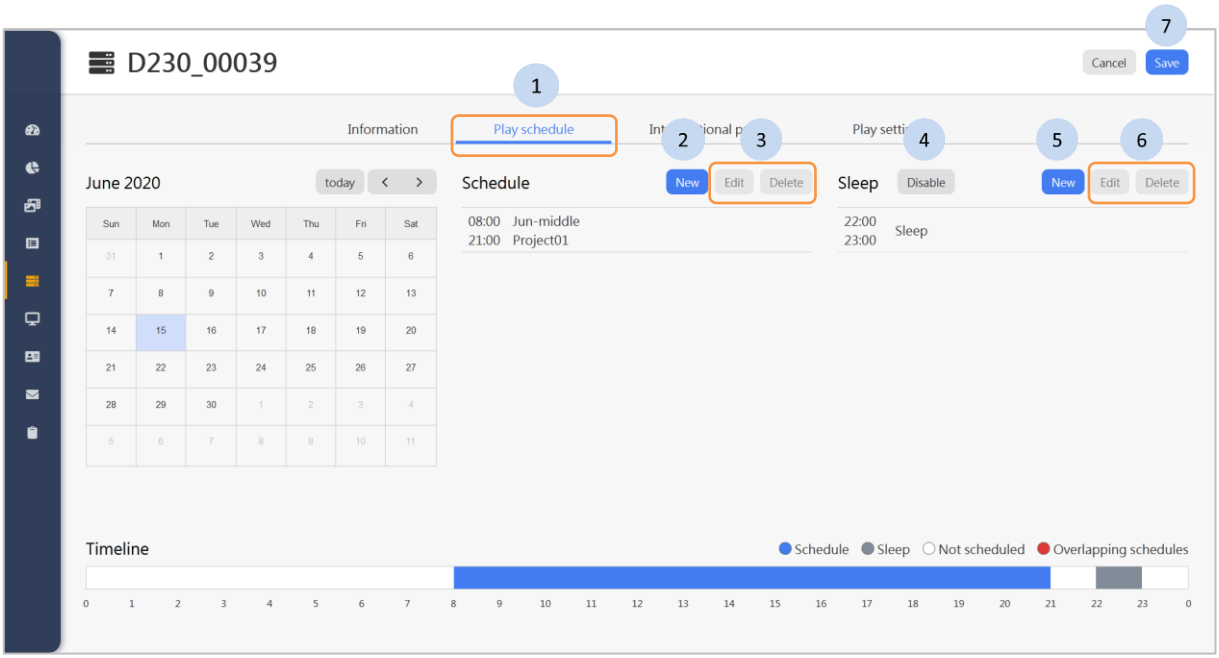
Steps

1. Click on the “Information” tab.
2. Edit the device name, if required.
3. Turn on or off the "display identification information". This option is used to display the gender and age of the viewer. The default is off.
4. Assign the device group from the group list, if required. Each device can only be in one device group at time.
5. Click on the Save button at the top to save the information settings.

Canceling assign a group will clear the playback schedule and playback settings of this device.

After assign a group, the original device settings will be replaced by the group content; the play schedule, interventional project selection and screen LOGO must be set on the device group page.

Play schedule



Steps

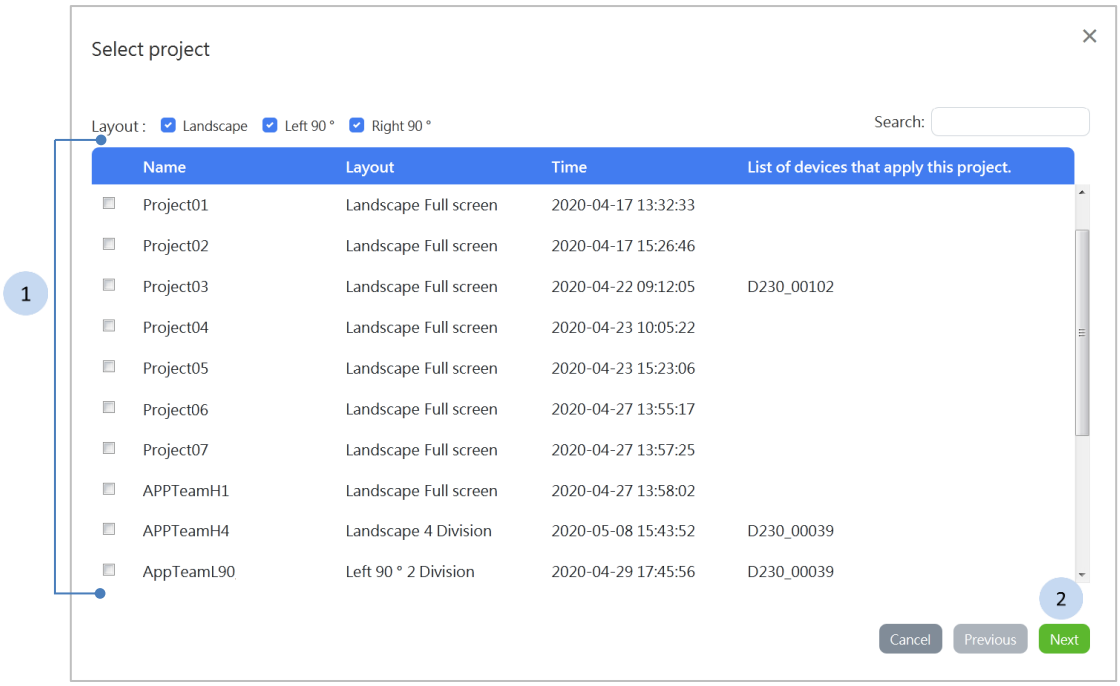
1. Click on the “Play schedule” tab.
2. Click on the New button at the top of the schedule list to create a schedule. Please refer to the next chapter “*Planning a schedule*”.
3. Click on an item in the schedule list you want to edit, if required, click on the following button.
   - Edit : To edit the schedule.
   - Delete : To delete the schedule.

4. Click on the Enable / Disable button to switch to sleep mode, if required.
5. After enabling the sleep settings, click on the New button to add a sleep time, if required.
6. Click on the time period in the sleep time list you want to edit and click on the following button, if required.
   - Edit: To edit the sleep time.
   - Delete: To delete the existing sleep time.
7. Click on the Save button at the top to save the play schedule settings.

If the D230 is scheduled for sleep mode, it will stop playing the project, backlight and camera will be turned off.

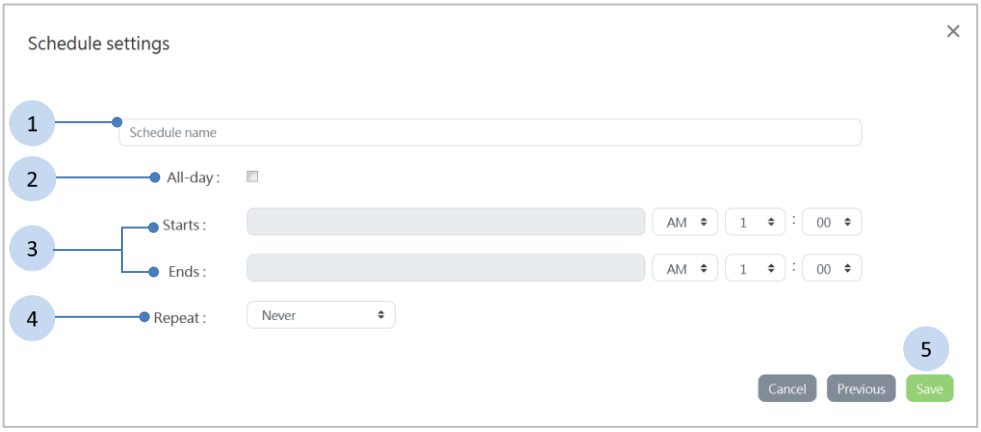
The D230 will automatically wake up and resume playing the project according to the schedule when the scheduled sleep mode ends.

Planning a schedule



Steps

1. Select a Project.
2. Click on the Next button.

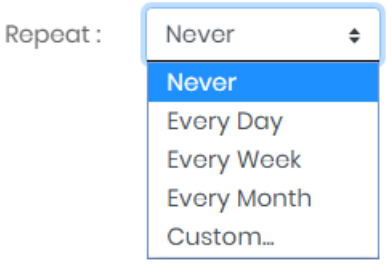


Steps

1. Enter the schedule name.
2. Check the “All-day” box if, required.
3. Set the start and end date time.
4. Set the repeat frequency, if required. More details will be explained in the next section “Repeating the schedule”.
5. Click on the Save button to finish.

The schedule can only be viewed within 6 months.

Repeating the schedule

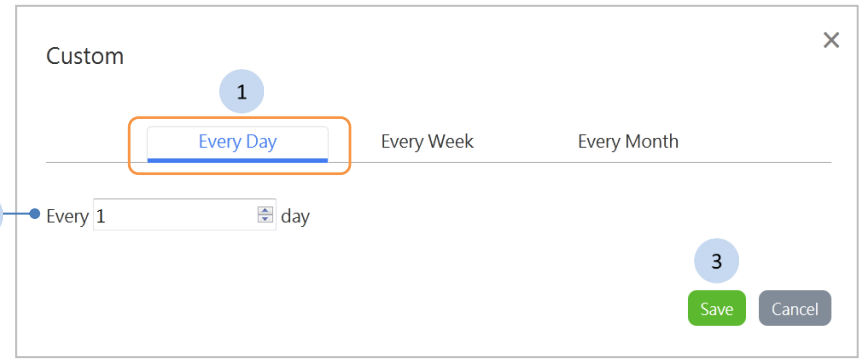


You can choose the repeat frequency.

You can choose end repeat date.

Custom repeating schedule

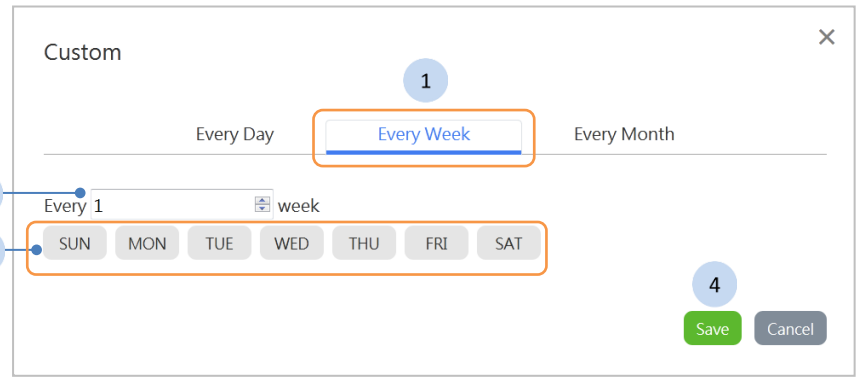
- Repeating a schedule every X day.



Steps

1. Click on the “Every Day” tab.
2. Enter the number of day(s).
3. Click on the Save button to finish.

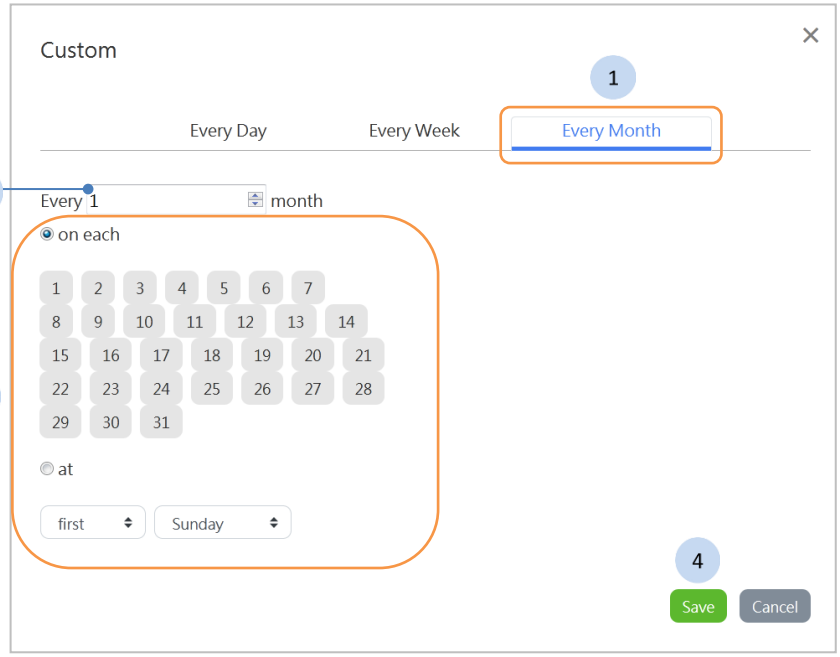
- Repeating schedule every X week.



Steps

1. Click on the “Every Week” tab.
2. Enter the number of week(s).
3. Select the days you want to the schedule to repeat.
4. Click on the Save button to finish.

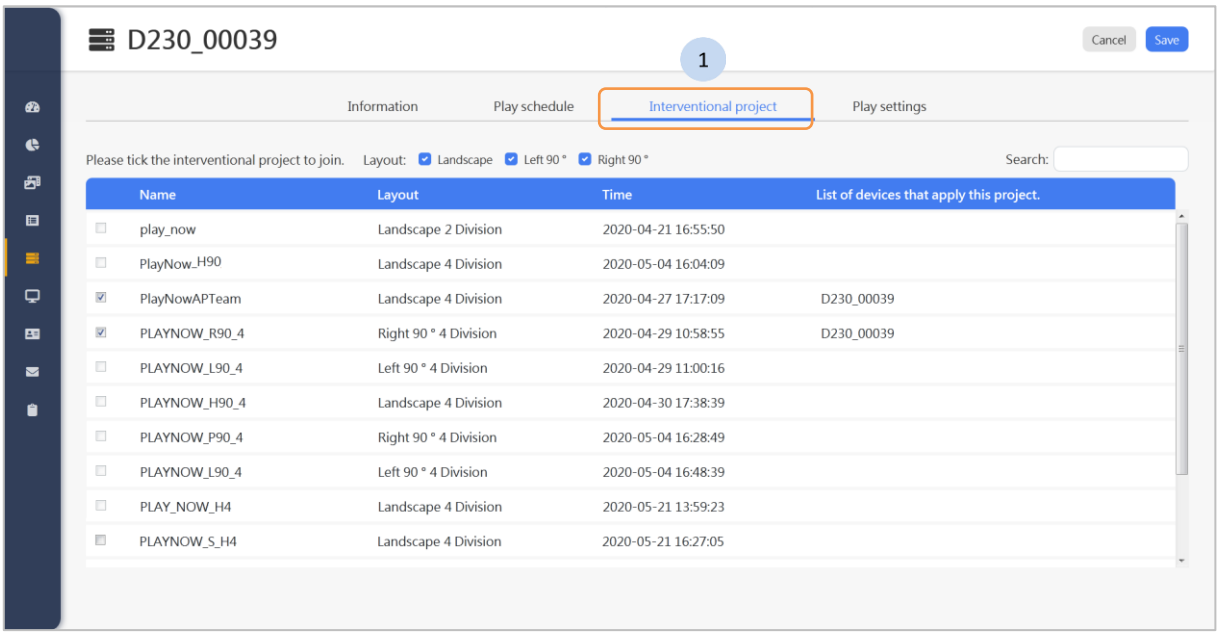
- Repeating schedule every X month.



Steps

1. Click on the “Every Month” tab.
2. Enter the number of month(s).
3. Select the days you want to the schedule to repeat.
4. Click on the Save button to finish.

Interventional Project

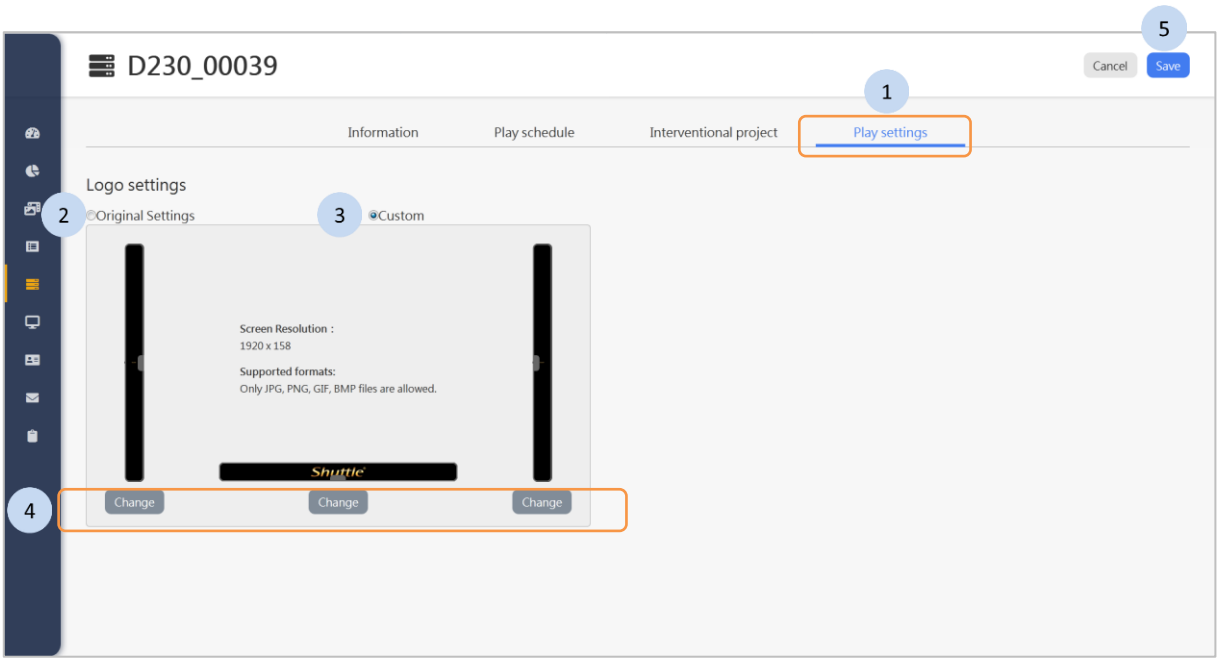


Steps

1. Click on the “Interventional project” tab.
2. Select the interventional project you want to bundle with this device.
3. After selecting the project, click on the Save button at the top to save the interventional project settings.

It can only be inserted after the device has been fully synchronized with the "Interventional Project". The time to synchronize the project will be affected by the quality of the network environment.

Play settings

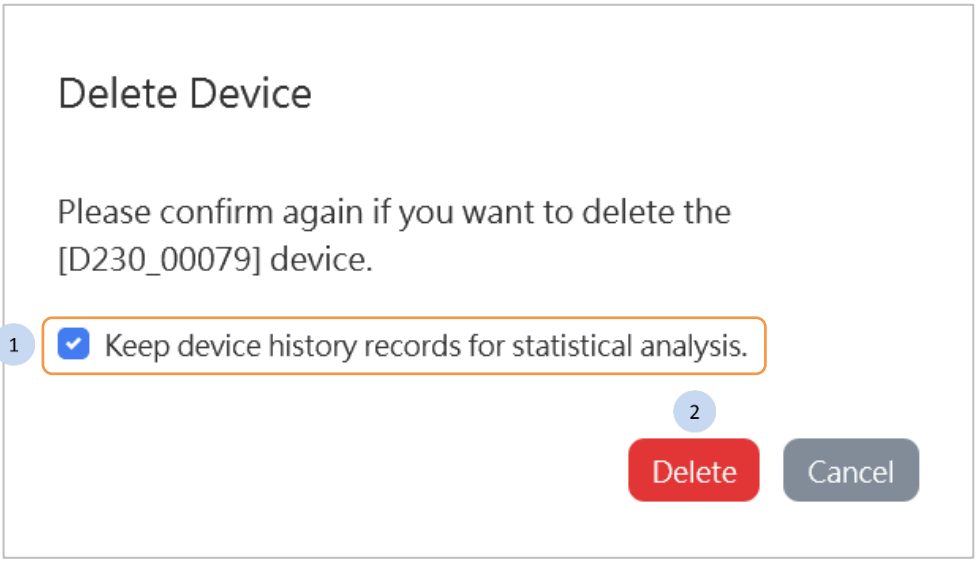


Here, you can replace logo of this device.

Steps

1. Click on the "Play settings" tab.
2. Click Original Settings button to view the logo image currently used on this device.
3. Click on the Custom button at the top to edit the logo.
4. Select the layout of the logo you want to replace and click on the Change button.
5. After selecting the image file, click on the Save button at the top to save the play settings.

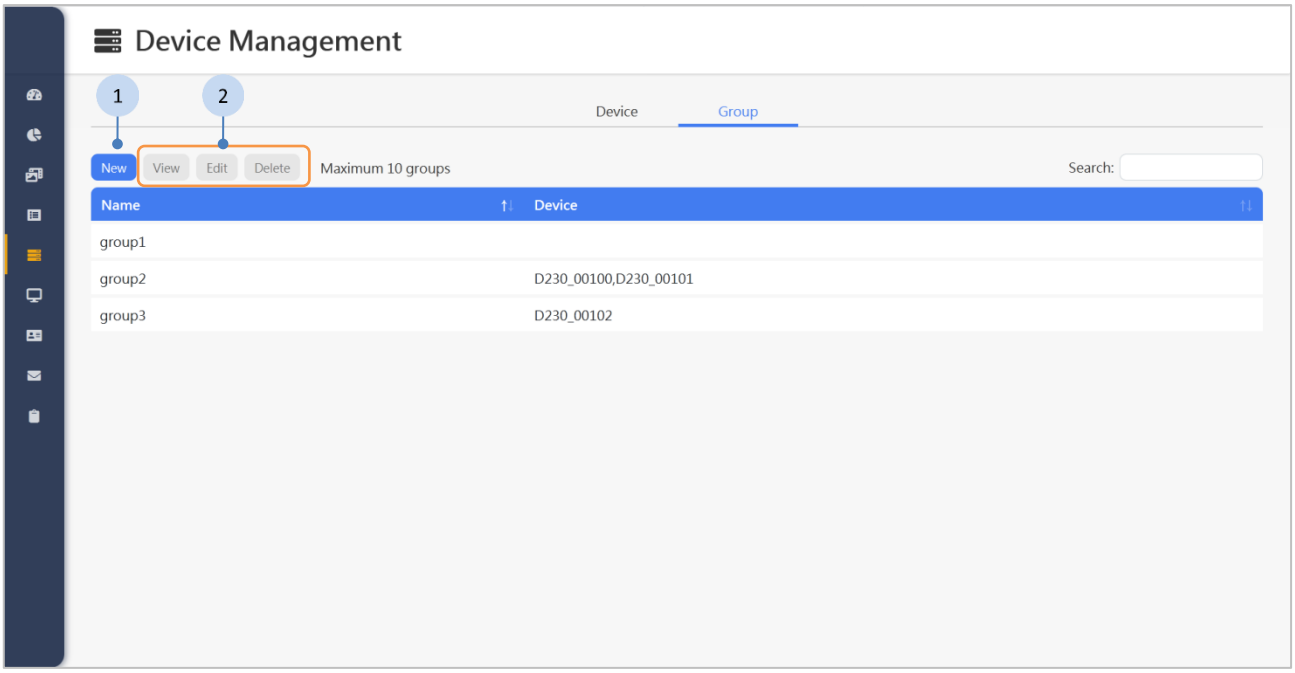
3.8.4 Delete device



Steps

1. Click the checkbox to keep device history records for statistical analysis, if required. The default is clicked.
2. Click Delete button to delete this device.

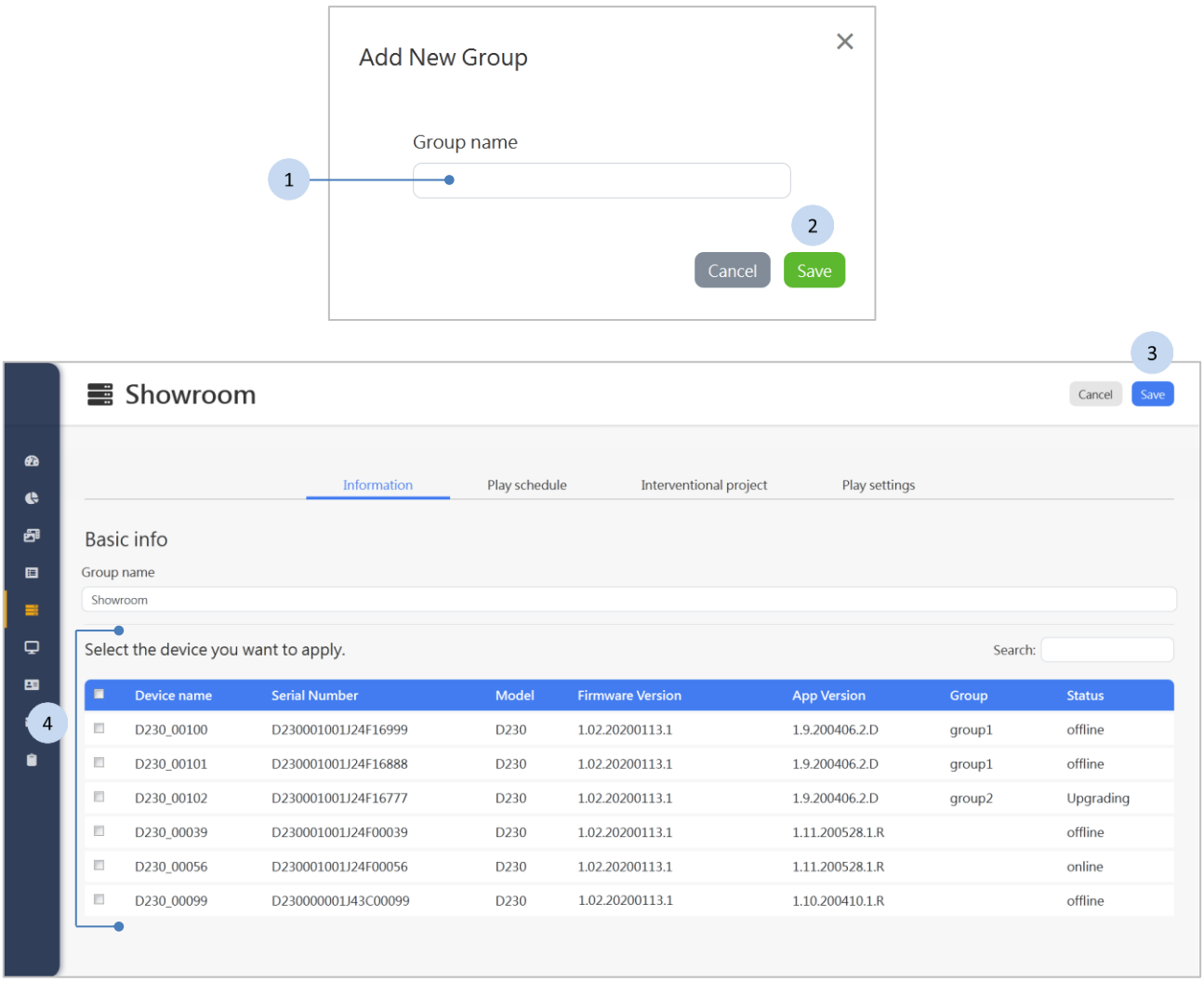
3.8.5 Device group list



Steps

1. Click on the “Group” tab.
2. You can click on the New button to create a device group, if required. More details will be explained in the chapter “3.8.6 Creating a device group”.
3. Click on the device group item in the list and following the steps below, if required.
   - View: Click to view the details of device group. The description on how to view a device group can be found in the next chapter”3.8.7 Viewing a device group”.
   - Edit: Edits a device group. The description on how to edit a device group can be found in the chapter “3.8.8 Editing a device group”.
   - Delete: Deletes the device group.

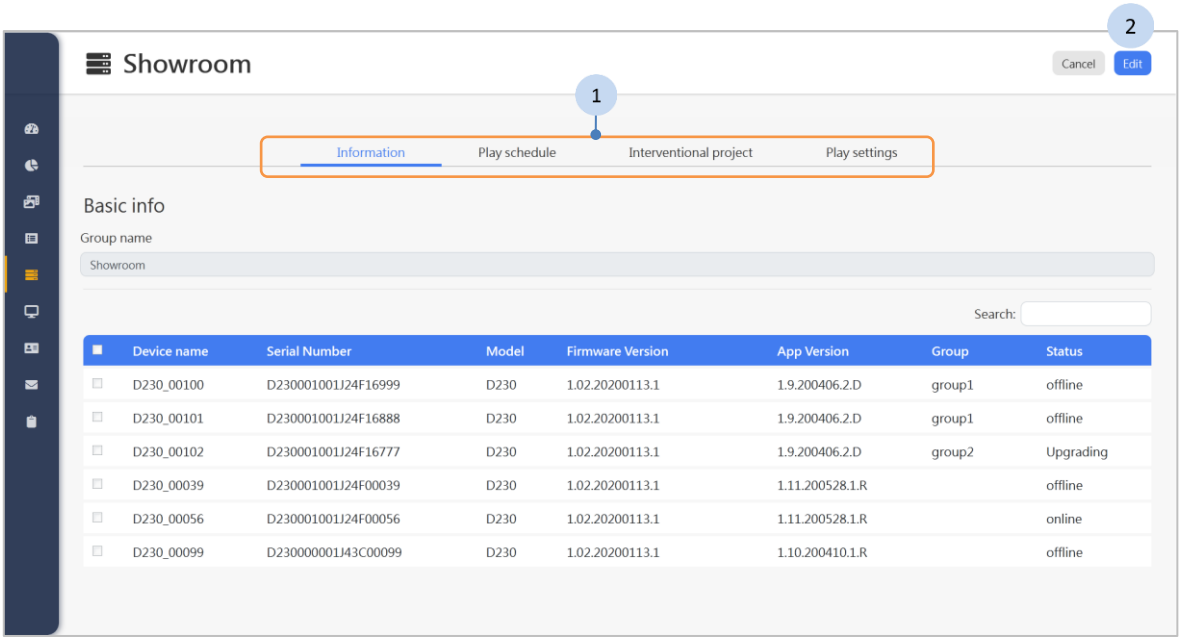
3.8.6 Creating a device group



Steps

1. Enter the name of the device group.
2. Click on the Save button to save the group name.
3. Select the devices from the list below you want to apply to the group.
4. Click on the Save button to finish.

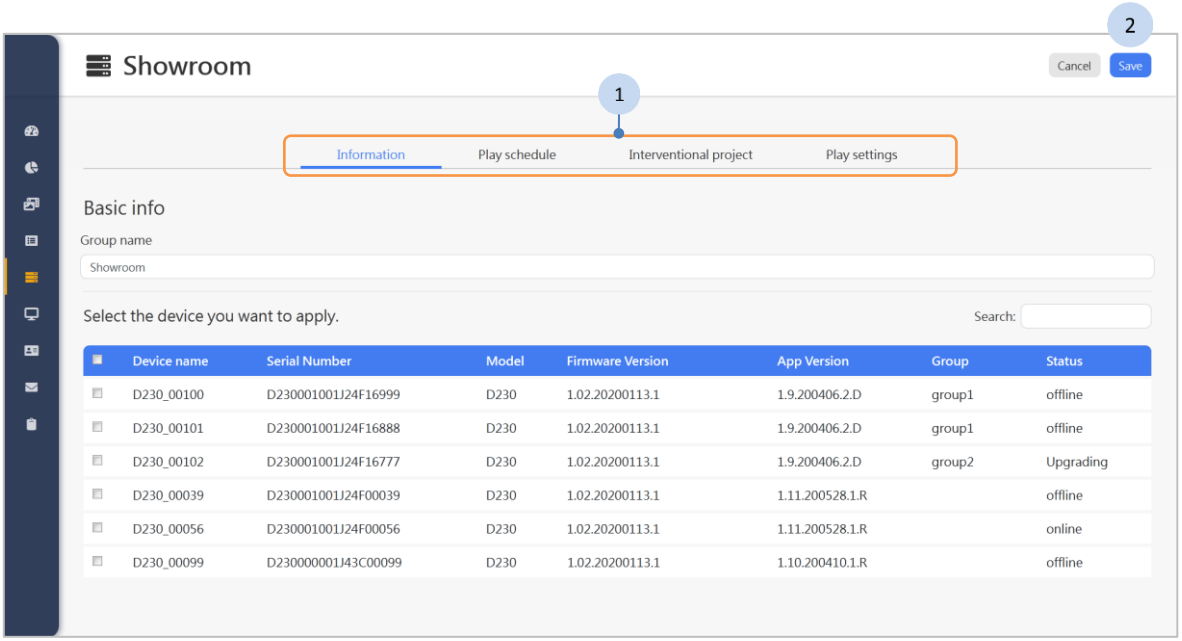
3.8.7 Viewing a device group



Steps

1. You can click the tab to view various settings of the device group.
2. Click on the Edit button at the top to edit the group settings, if required.

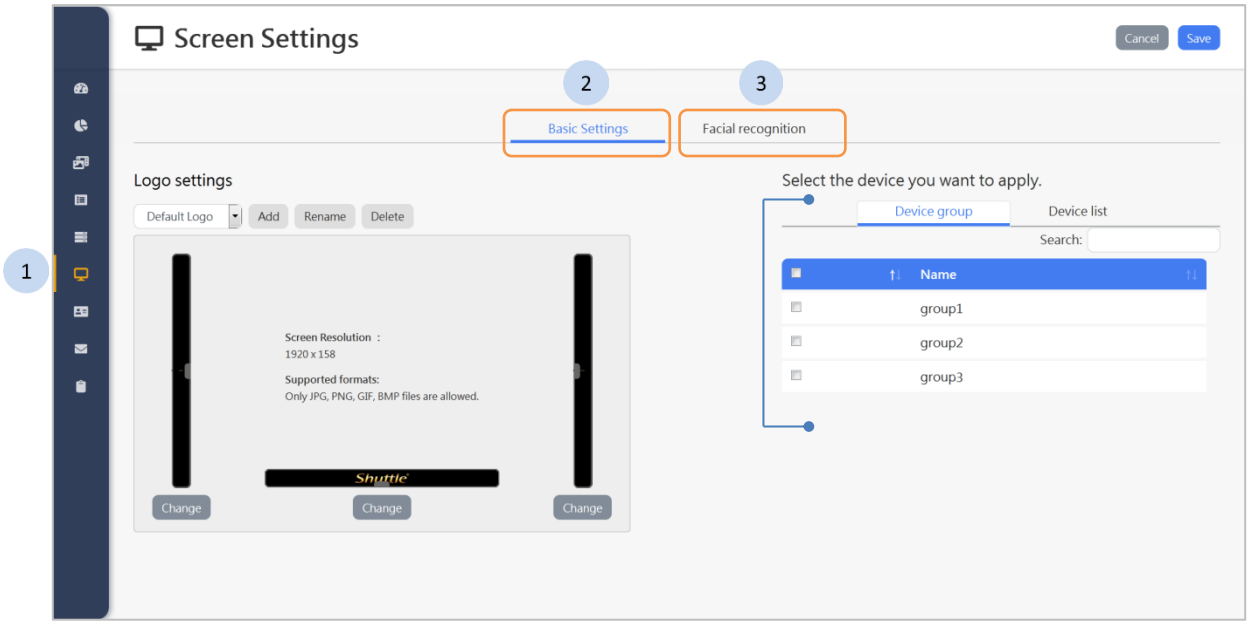
3.8.8 Editing a device group



Steps

1. You can click the tab to edit various settings of the device group.
2. After completing all edits, click on the Save button to finish.

3.9 Screen Settings

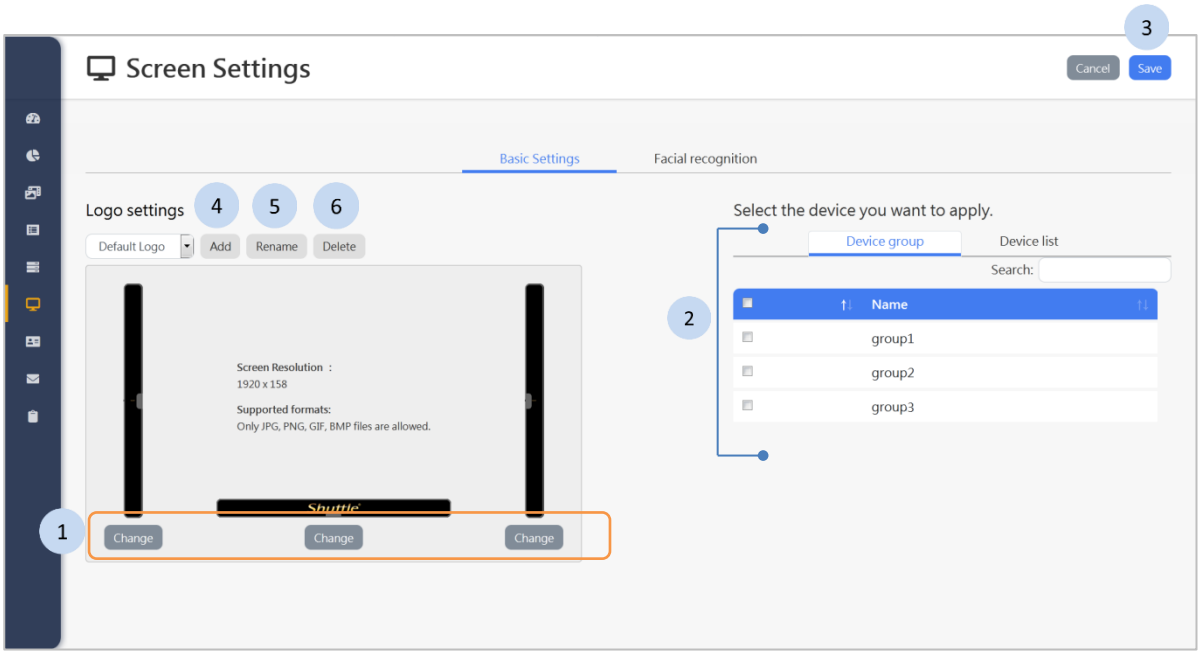


Steps

1. Click on the Screen settings button on the sidebar, and the screen settings will display on the right.
2. Click on the “Basic Settings” tab to display the basic settings. The description is described in the chapter “3.9.1 Basic settings”.
3. Click on the “Facial recognition” tab to set the play content replacement. The description is described in the chapter “3.9.2 Facial recognition”.

3.9.1 Basic settings

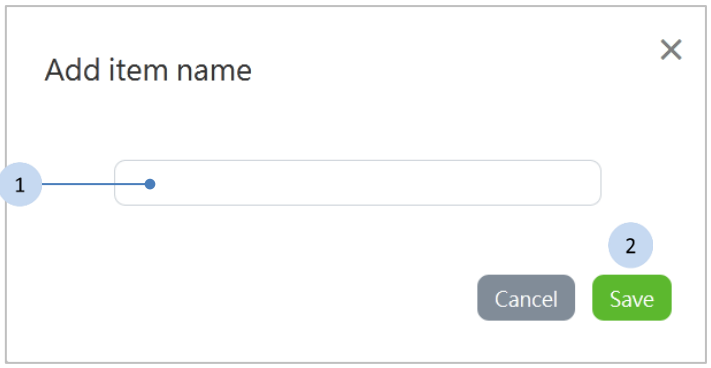
You can replace the Logo item for devices or device groups on the basic settings page. Each logo item can set different logos for three layout (Landscape, Left 90° or Right 90°).

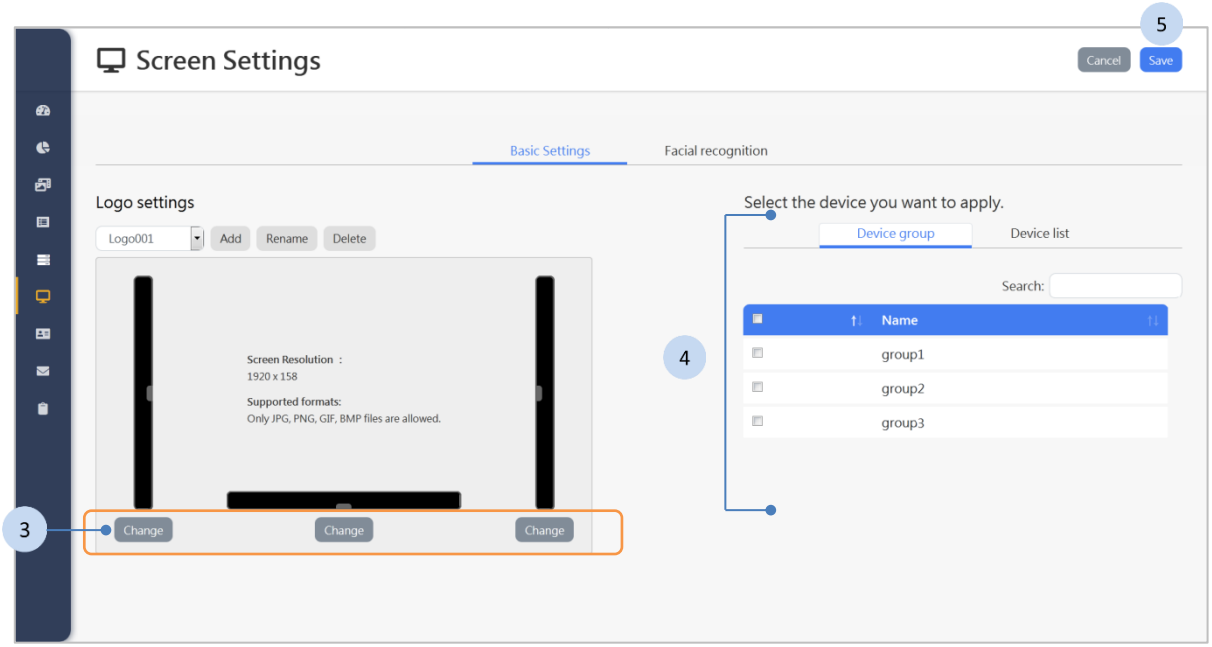


Steps

1. Select the layout of the logo you want to replace and click on the Change button.
2. Select the device you want to apply from the device group list or device list via the switch tab.
3. After selecting the image file, click on the Save button at the top to save the screen settings.
4. You can click on the Add button to add logo item to the list if required. The description of how to add a logo item is described in the next chapter “Adding logo item”.
5. You can click on the Rename button to rename the item name.
6. You can select the item from the logo list and click on the Delete button to delete the item.

Adding logo item

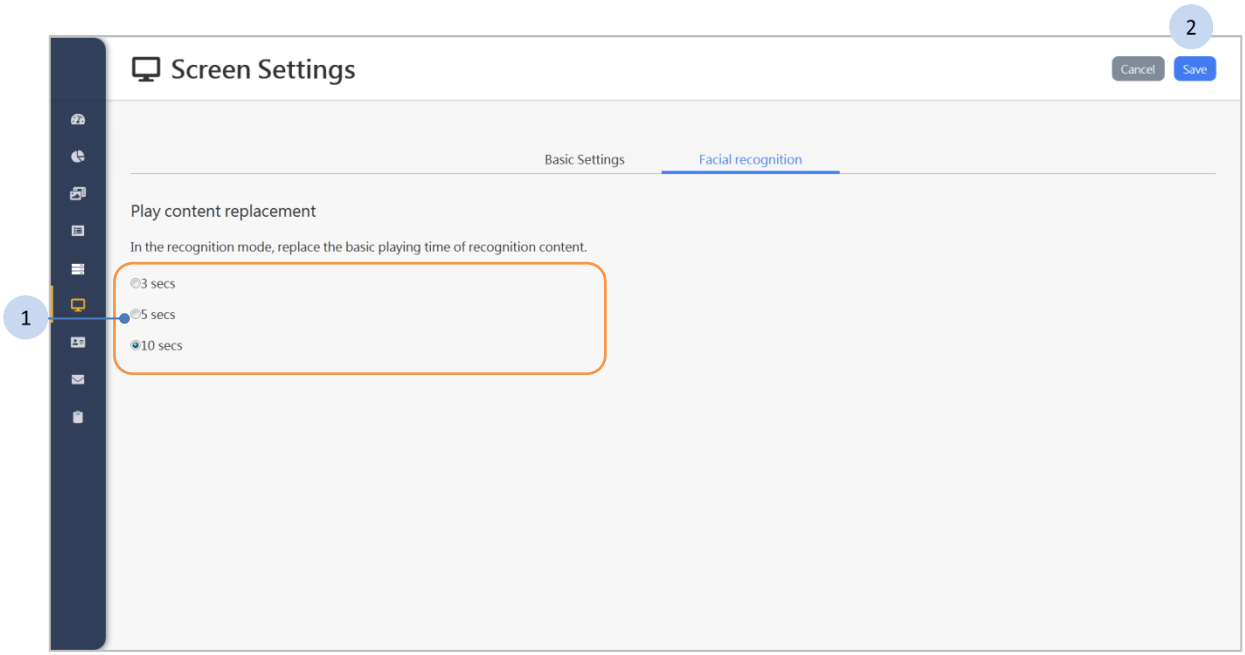




Steps

1. Enter the item name.
2. Click on the Save button to save the logo item name.
3. Select the layout of the logo you want to replace and click on the Change button.
4. Select the device you want to apply from the device group list or from the device list via the switch tab.
5. After selecting various layout image files, click on the Save button at the top to save the logo item.

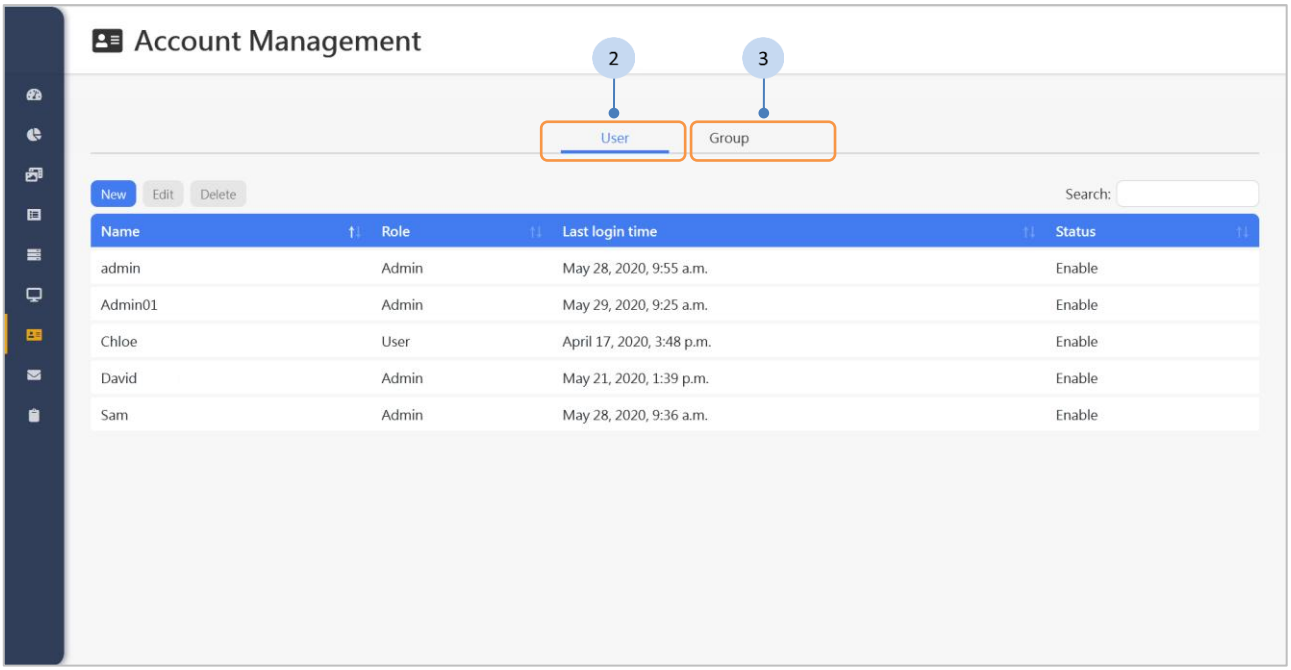
3.9.2 Facial recognition



Steps

1. Choose the replace basic playing time of recognition content in the recognition mode.
2. Click on the Save button at the top to save the settings.

3.10 Account Management



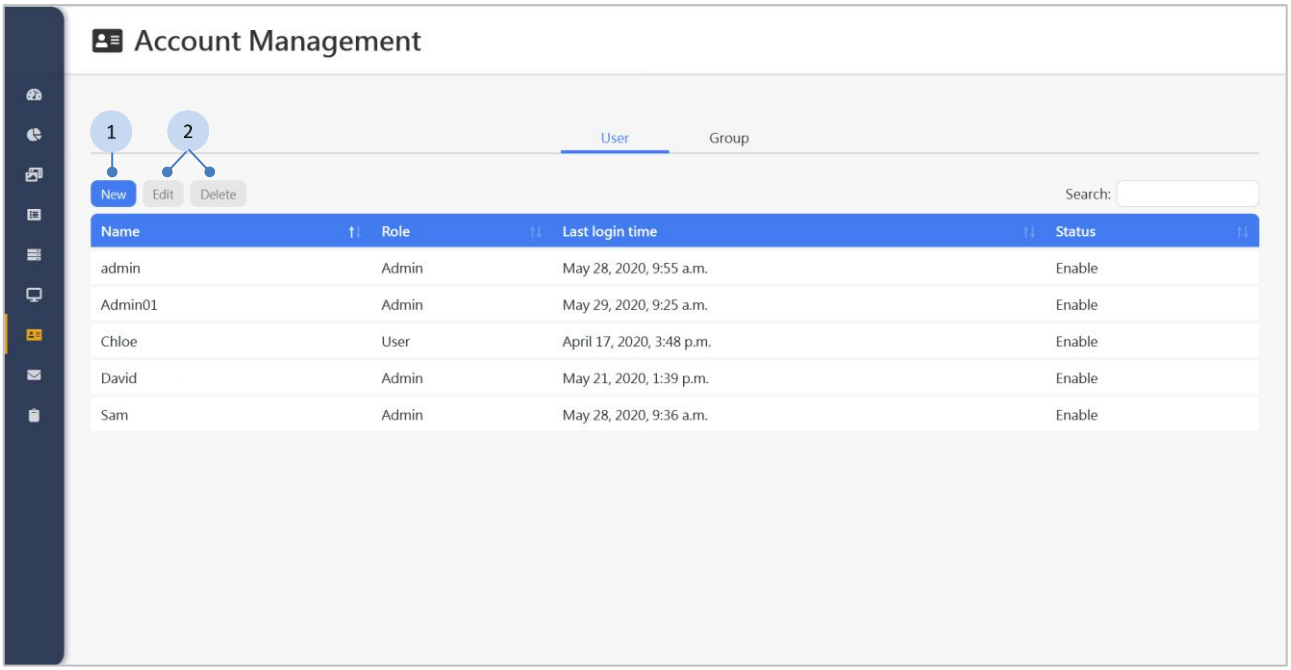
Steps

1 Click on the Account management button in the sidebar, and the account management page will display on the right.

2 Click on the “User” tab to view the user list. The description of the user is described in the chapter “3.10.1 Account List”.

3 Click on the “Group” tab to view the group list. The description of the user group is described in the chapter “3.10.4 Account group list”.

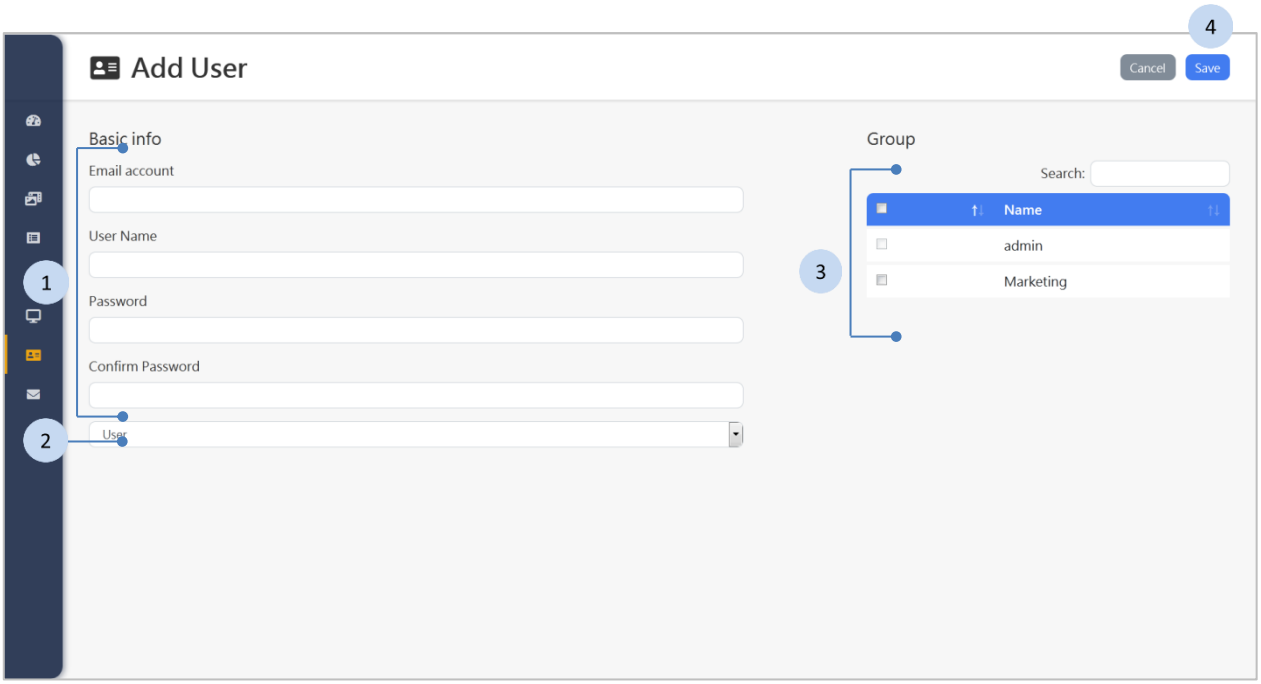
3.10.1 Account List



Steps

1. You can click on the New button to add account, if required. The details will be explained in next chapter.
2. You can click on the account in the list and use the following functions, if required.
   - Edit: To edit an account. The description on how to edit an account can be found in the chapter “3.10.3 Editing an account”.
   - Delete: To delete an account.

3.10.2 Adding an account



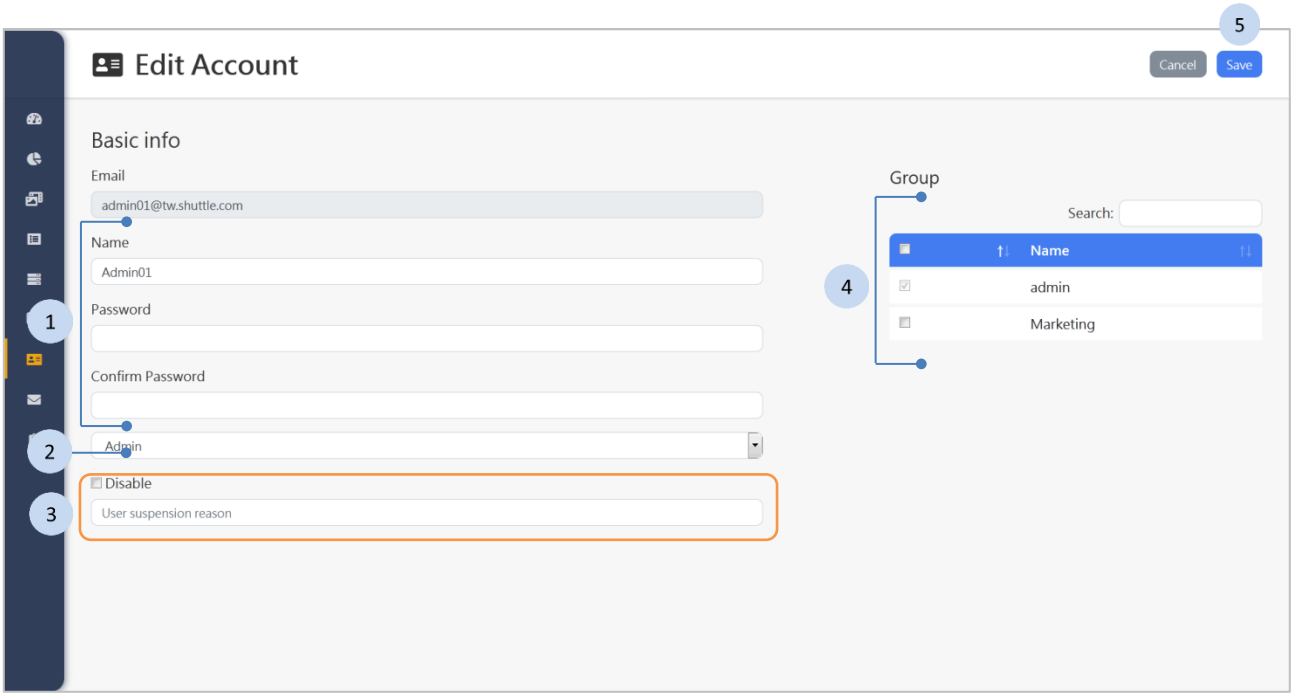
Steps

1. Please enter the following details,
   - Email account
   - User name
   - Password
   - Confirm password
2. Choose the privileges. To set these, please refer to “Table 4 Role and permissions”.
   - Role: Admin
   - Role: User
3. Select the group.
4. Click on the Save button to save and finish.

Table 4 Role and permissions

Role	*Description*
Admin	◆ The system must have at least one admin. ◆ The new admin will belong to the Admin group with permissions for all functions. ◆ The admin can add custom user groups (up to 10) and check the permissions of this group.
User	◆ Users need to join the “custom user group” to get the permissions of this group. ◆ If a user is not added to any group, this user can only view the data of the function.

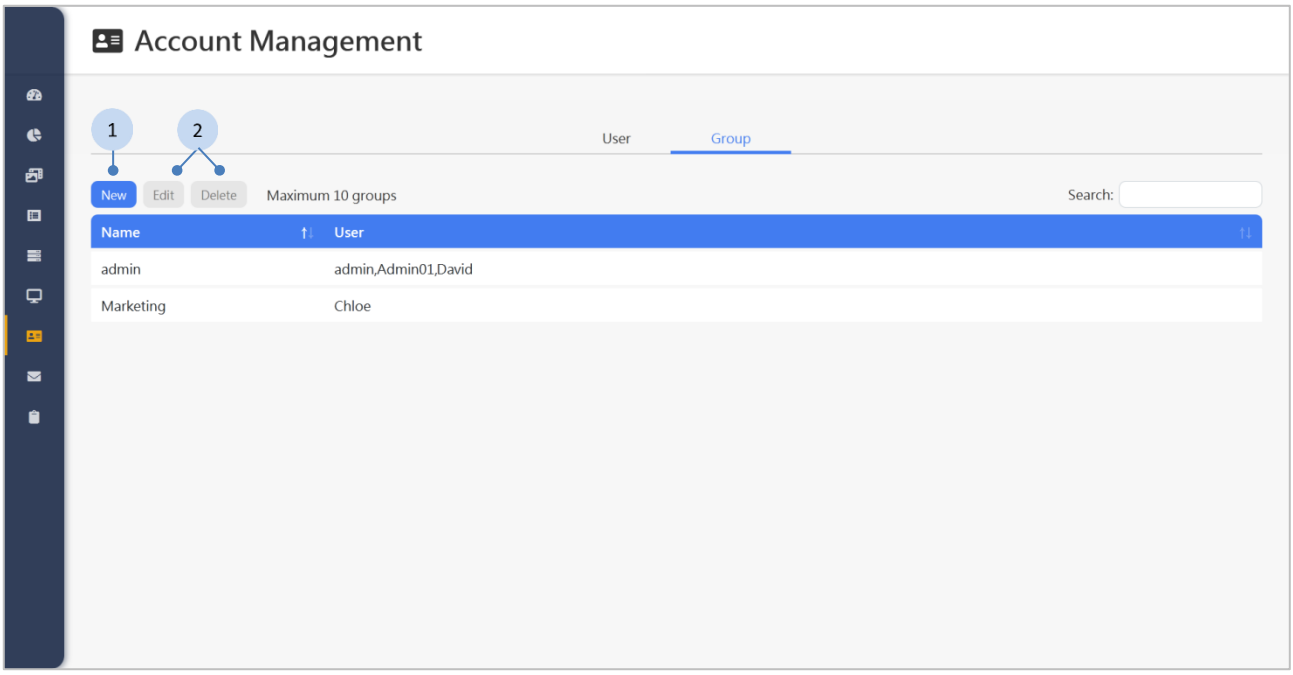
3.10.3 Editing an account



Steps

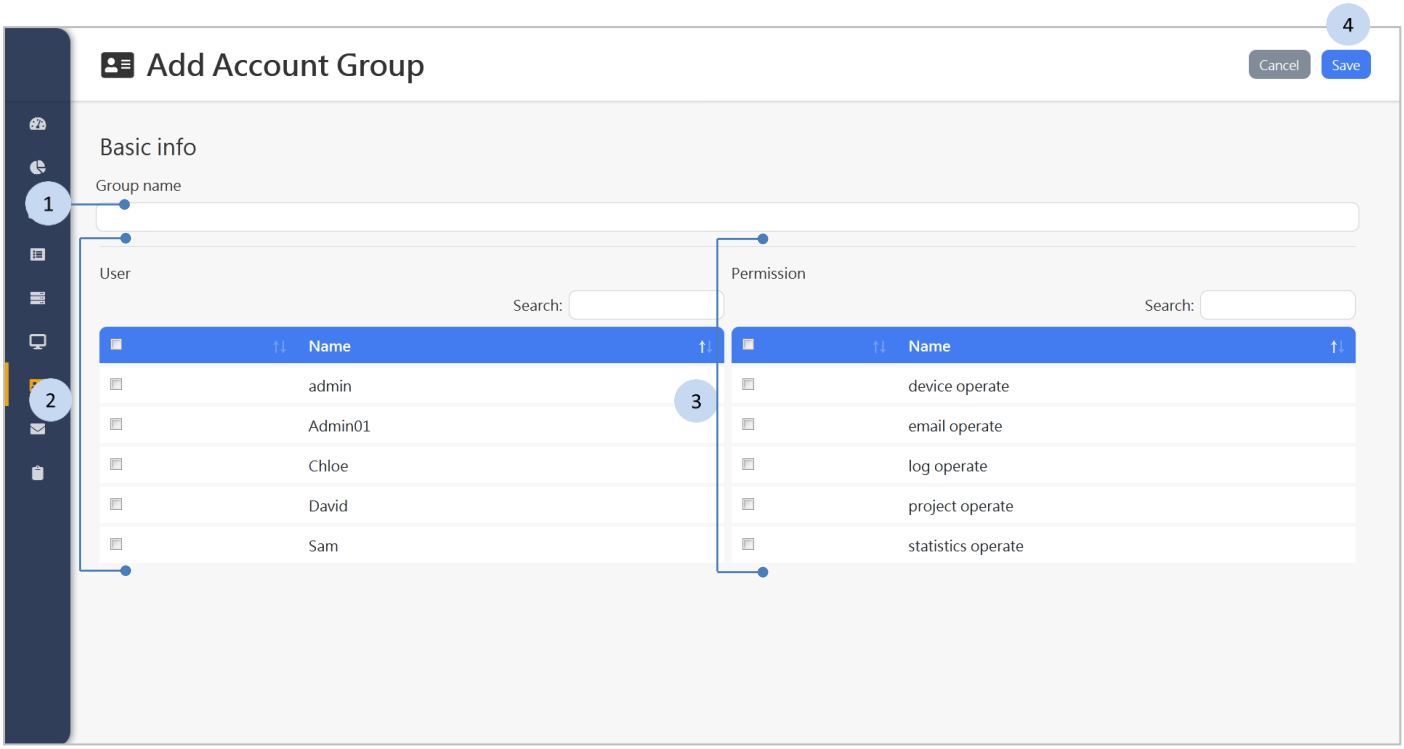
1. Edit the account name, password, confirm password, if required.
2. You can change the permissions of account as admin or user, if required.
3. You can disable this account by ticking the “Disable” checkbox and fill in the “User suspension reason”, if required.
4. Assign the device group, if required.
5. Click on the Save button at the top to save the account settings.

3.10.4 Account group list



1. You can click on the New button to add a group (up to 10), if required. The details will be explained in next chapter.
2. You can click on a group from the list and use the following functions, if required.
   - Edit: To edit the account.
   - Delete: To delete the account.

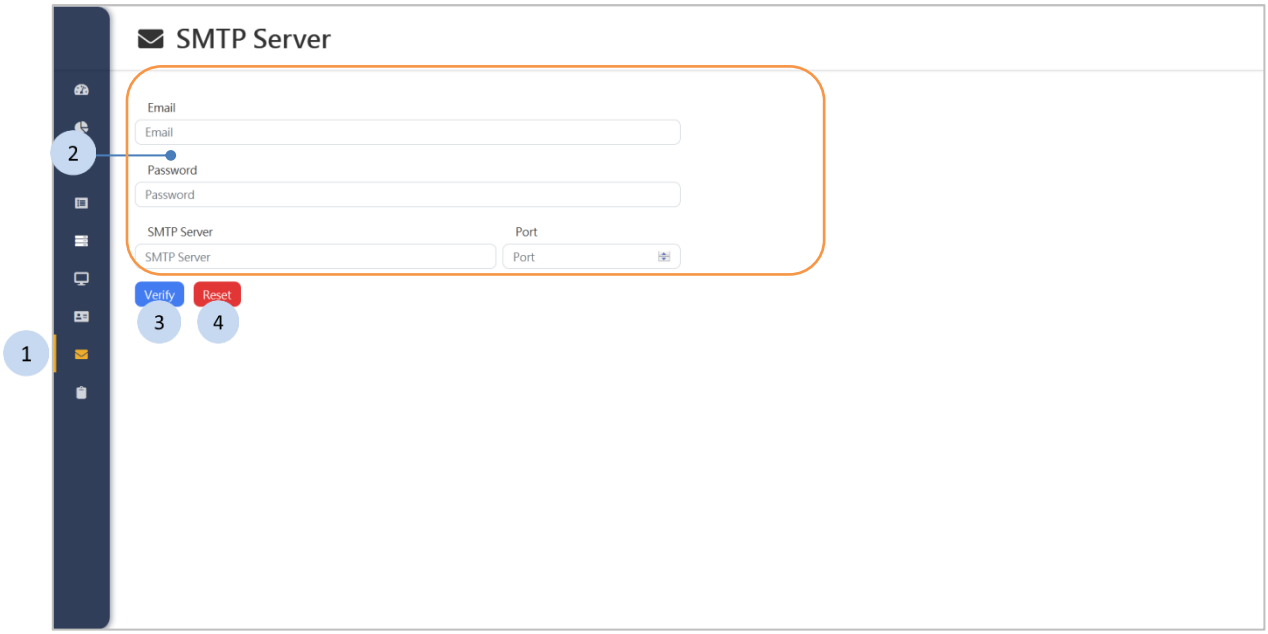
3.10.5 Creating an account group



Steps

1. Enter a Group name.
2. Choose the users to join the group.
3. Select the privileges of the group.
4. Click on the Save button to save and finish.

3.11 Verification Mailbox

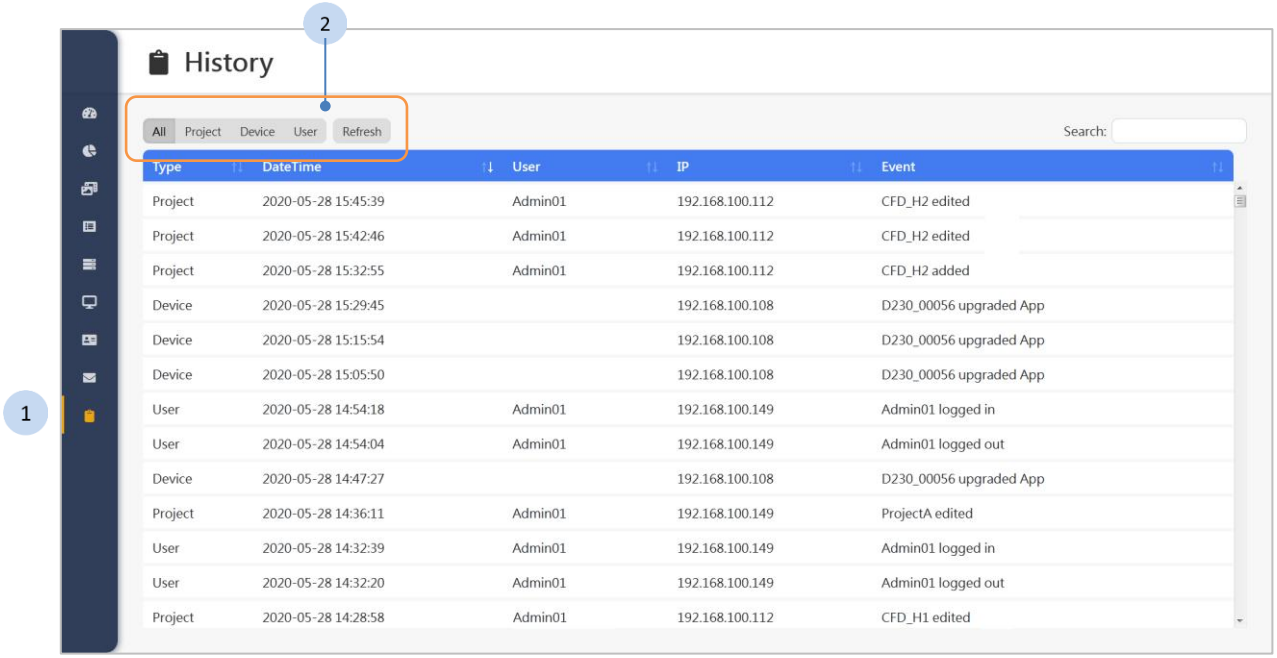


On this page, you can set up an SMTP server that can send reset password links to the users who have forgotten their password.

Steps

1. Click on the Verification mailbox button on the sidebar, and the verification mailbox page will display on the right.
2. The following information needs to be entered manually.
   - Email address
   - Password
   - SMTP Server
   - Port
3. Click on the Verify button to verify the SMTP Server settings. A test email will be sent to verify that the settings are correct.
4. Click on the Reset button to reset settings, if required.

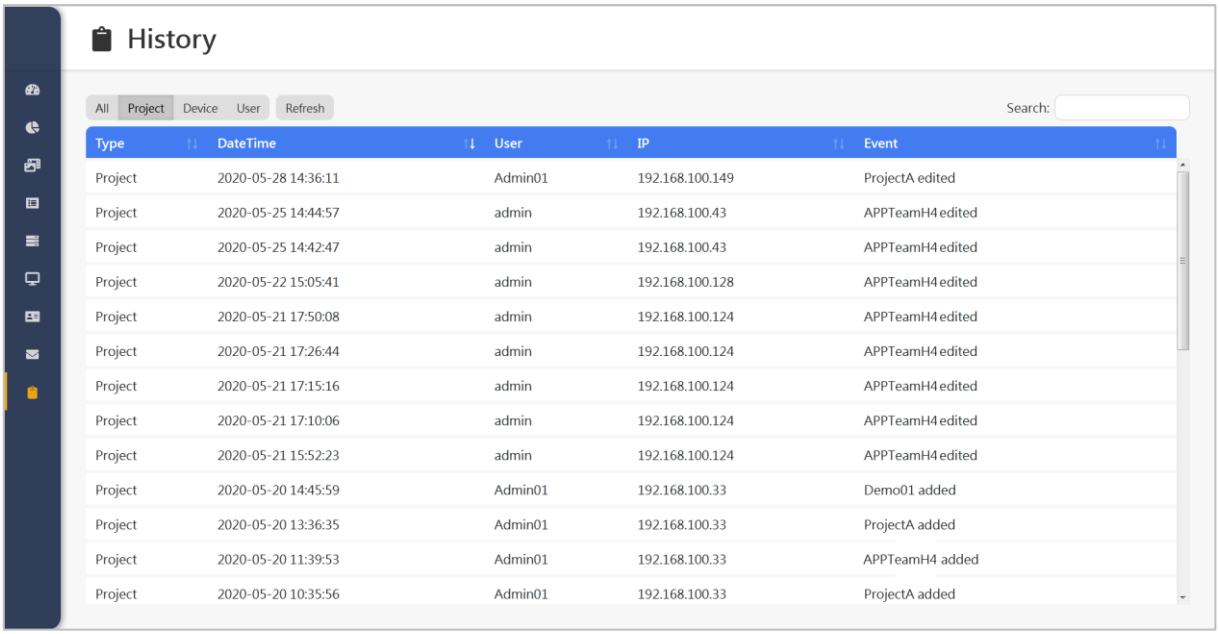
3.12 History



Steps

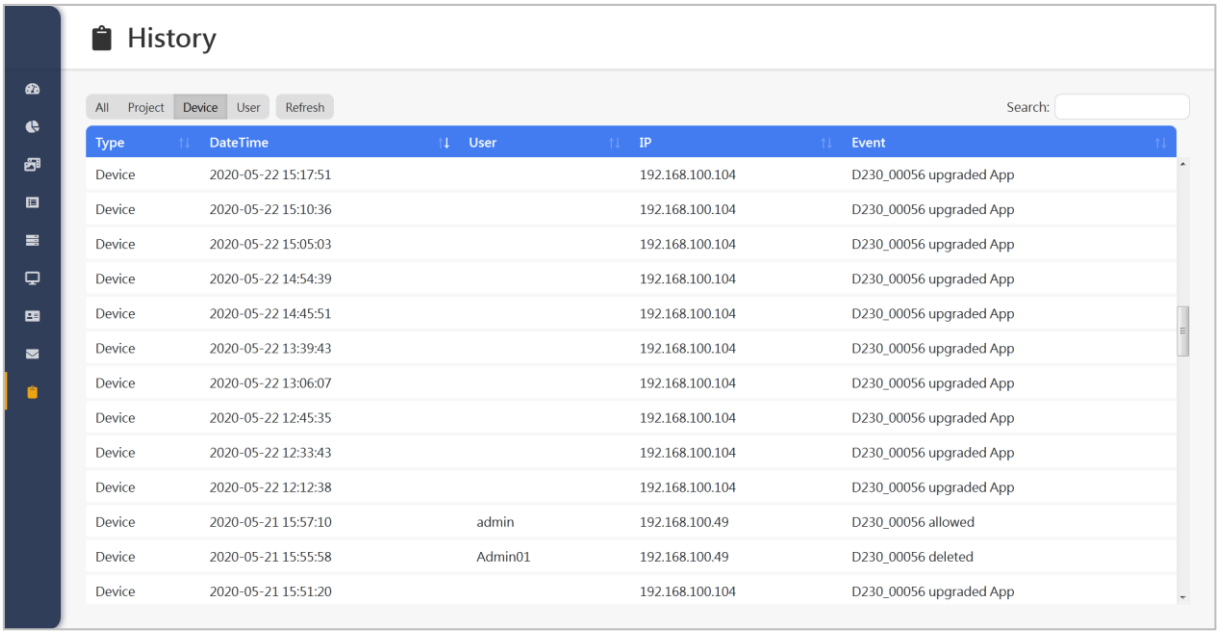
1. Click on the History button on the sidebar, and the history page will display on the right.
2. You can click on the top menu, if required.
   - All Project Device User : To filter the type of media as all, project, device or user to display.
   - Refresh : To refresh the history list.

3.12.1 Project



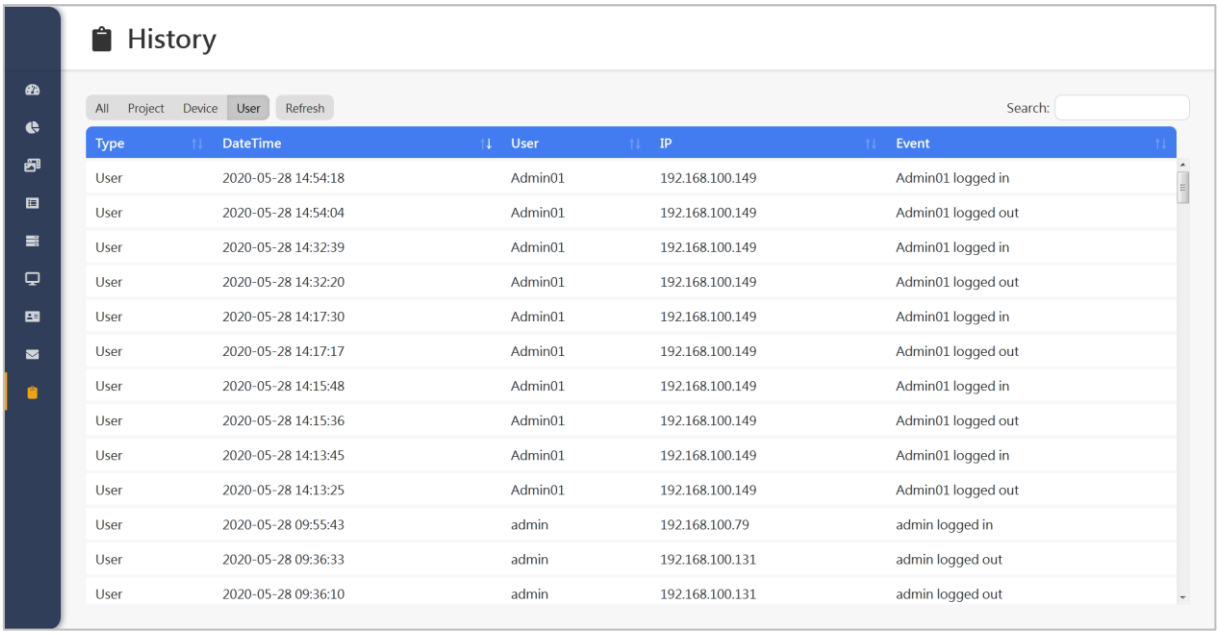
Project history lists the events of the project: when the project was added or edited by which user.

3.12.2 Device



Device history lists the events of the device: when the device upgraded the firmware or APP, and which user, at what time, allowed or deleted the device.

3.12.3 User



The user history lists: the time when the user logged out or logged in.

4 Playing content on the D230 device

4.1 Device status

The device status will be displayed on the screen without playback of a schedule; When a schedule is playing, the status will not be displayed.

Table 5 Device status

Icon		AP mode
		Disconnected
		Approval pending
Info	Display current device time	
	Firmware version	
	App version	

4.2 Playing content

- The D230 device automatically plays the projects according to the schedule.
- If the D230 has no project scheduled, the default logo will be displayed.
- Sleep mode
  - If the D230 is scheduled for sleep mode, it will stop playing a project, backlight and camera will be turned off.
  - The D230 will automatically wake up and resume playing a project according to the schedule, when the scheduled sleep mode ends.

4.3 D230 factory reset

To perform a factory reset, press down the pinhole for 5 seconds which sits left of the SIM card slot on the rear side of the D230. All files on the device will be deleted and the D230 will be set to its uninitialized state (AP mode).

Appendix

Video Cropping Tools

Choose from the following video cropping tools and download to your Windows/Mac device to make sure your media files meet the right format and resolution play on your D230 device.

Windows/MAC

1 Joyoshare Media Cutter

2 Video converter ultimate

3 filmora

4 FreeCropVideo (easy making of videos) *only Windows

5 Kdenlive

6 Movavi video editor

Online

1 Video cutter online

Video Resolutions

Applicable to the resolution of each division.

	Landscape	Right 90°	Left 90°
Full screen	1920 x 158px	158 x 1920px	
2 divisions	960 x 158px	158 x 960px	
3 divisions	620 x 158px	158 x 620px	
4 divisions	480 x 158px	158 x 480px	

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