Visual Intelligent Control Platform

User Manual

Contents

1 Introduction

Visual Intelligent Control Platform (hereinafter referred to as VICP) is a visualized control software for comprehensive management and control of screen display systems, multimedia playback and control systems, audio systems, and environment peripherals in various fixed installation application scenarios, such as exhibition halls, conference rooms or centers, media centers, command and control centers, and smart city data centers.

What you see is what you get

VICP allows fully-visualized operations, enabling more accurate and pertinent on-site control. In addition, its elaborated and interactive UI design brings a more friendly, simple and smooth using experience, thus providing users with a highly smart and efficient operating environment.

Everything is under your control

VICP can realize all-round management and control of splicing screen display systems, audio systems and environment peripherals, such as input signal switching, preset switching, screen brightness adjustment, system topology viewing, IP camera control, plan management, media service management, lighting, curtains, screens, TVs and audio, and more.

2 Installation Requirements

Device Requirements

OS	Hardware Configuration
Android	• Android: Android 10.0 or later • Memory: 6 GB or above • Processor: 8 cores or above • Storage: 128 GB or above
Harmony	• HarmonyOS: HarmonyOS from 2.0 to 5.0 • Memory: 6 GB or above • Processor: 8 cores or above • Storage: 128 GB or above
iOS	• iOS: iPadOS 14.4 or later • Memory: 4 GB or above • Processor: A10 or above • Storage: 32 GB or above
Windows	• Processor: 9th Generation Intel® Core™ i5 Processor or above • Memory: 16 GB or above • Hard disk space: 256 G or above • OS: Windows 10 64-bit, version 20H2 or above

Obtaining

VICP supports tablet PC (iOS, Android OS and HarmonyOS) installation and Windows installation.

- For tablet PCs: Search for VICP in Apple or Android app store, or HUAWEI AppGallery to download and install the software.
- Windows OS: Obtain the package from your sales engineer or technical support engineer.

Installation

VICP is installed in the same way as an ordinary software. Follow the instructions to complete the installation.

3 Typical Networking

Figure 3-1 Video wall splicers control

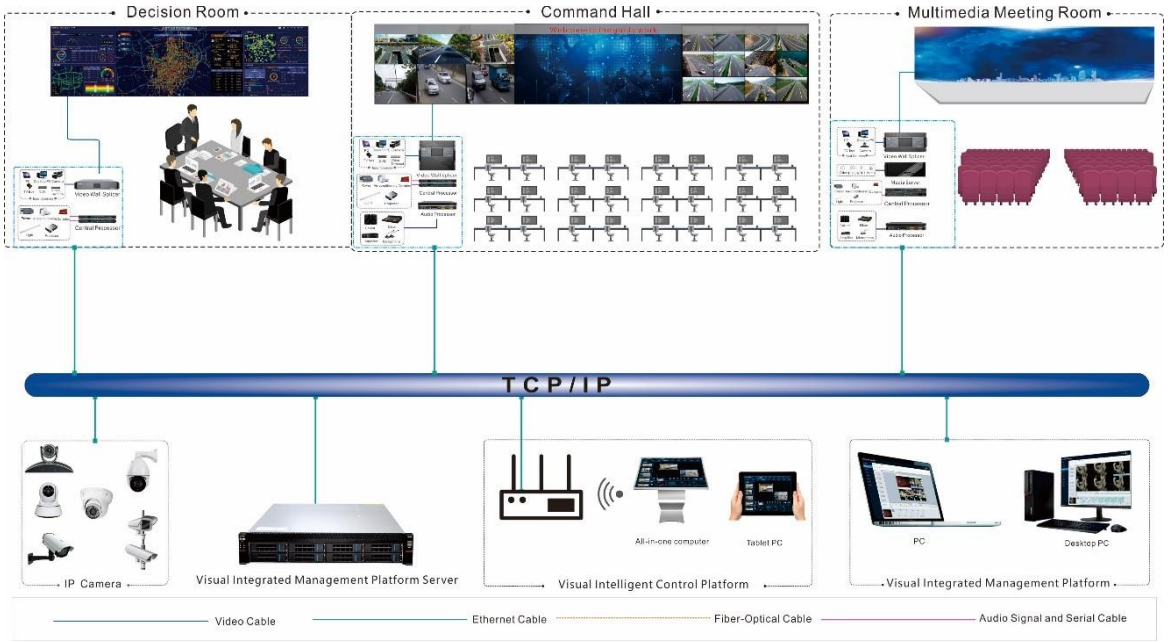


Figure 3-2 Distributed control

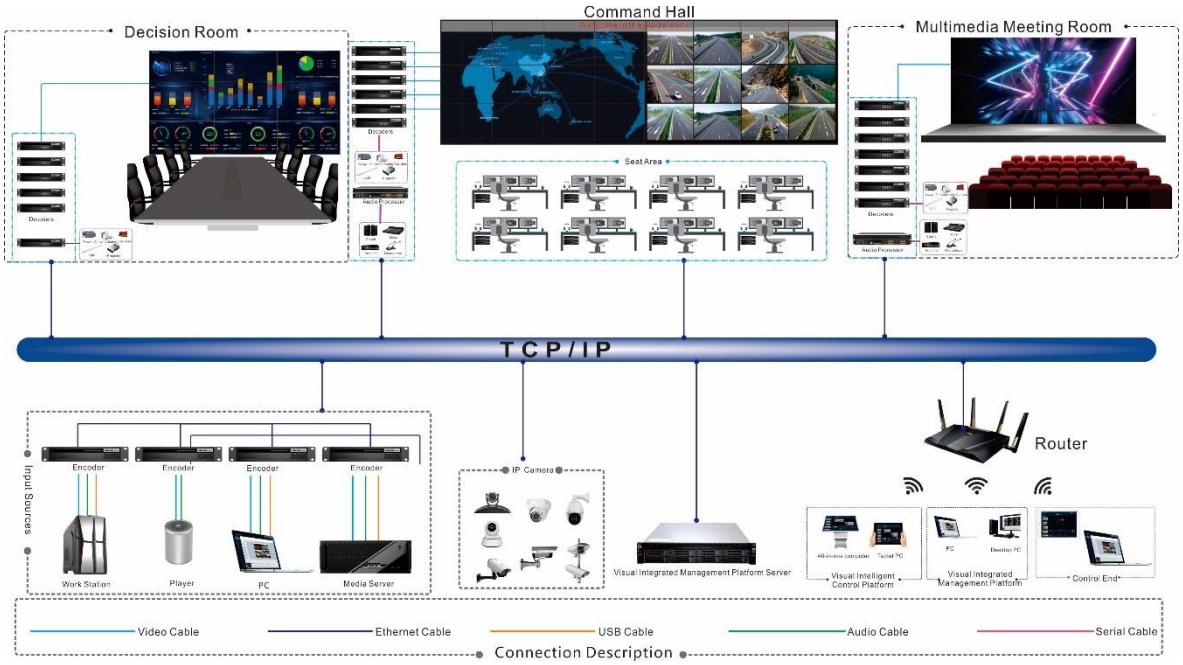
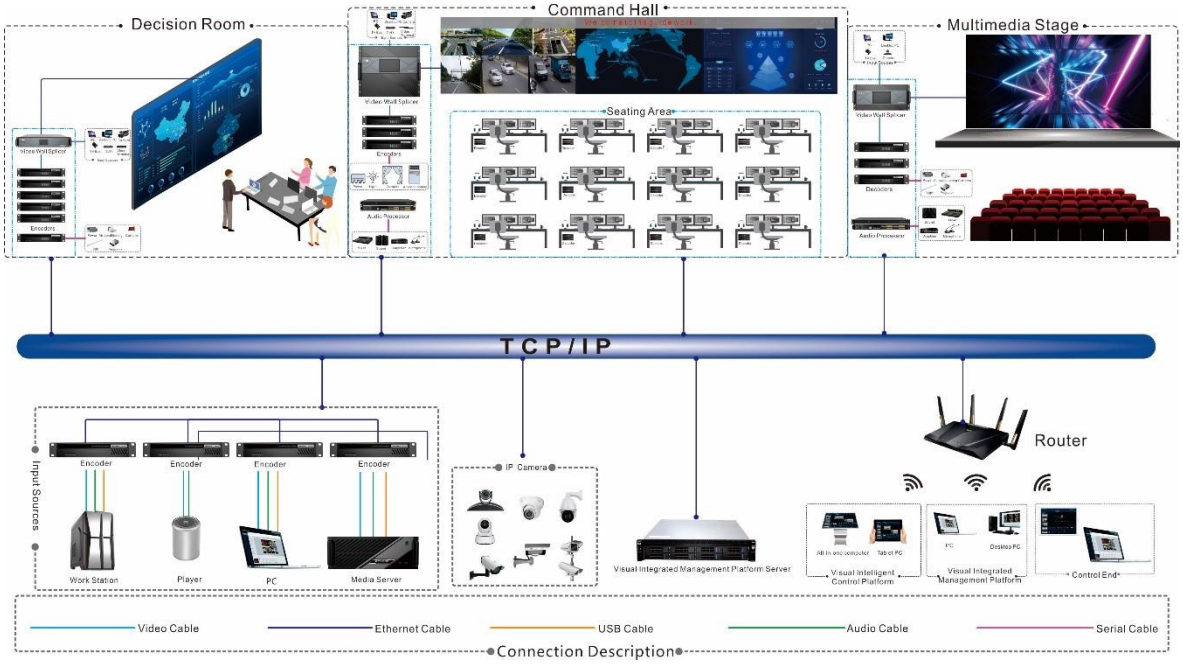


Figure 3-3 Centralized control of distributed devices and video wall splicers



4 Authorization

After you log into the platform for the first time, you need to authorize the system before you use it.

The operations in the Windows system are performed in the same way as those on tablets. Here take the operations on tablets as an example to illustrate.

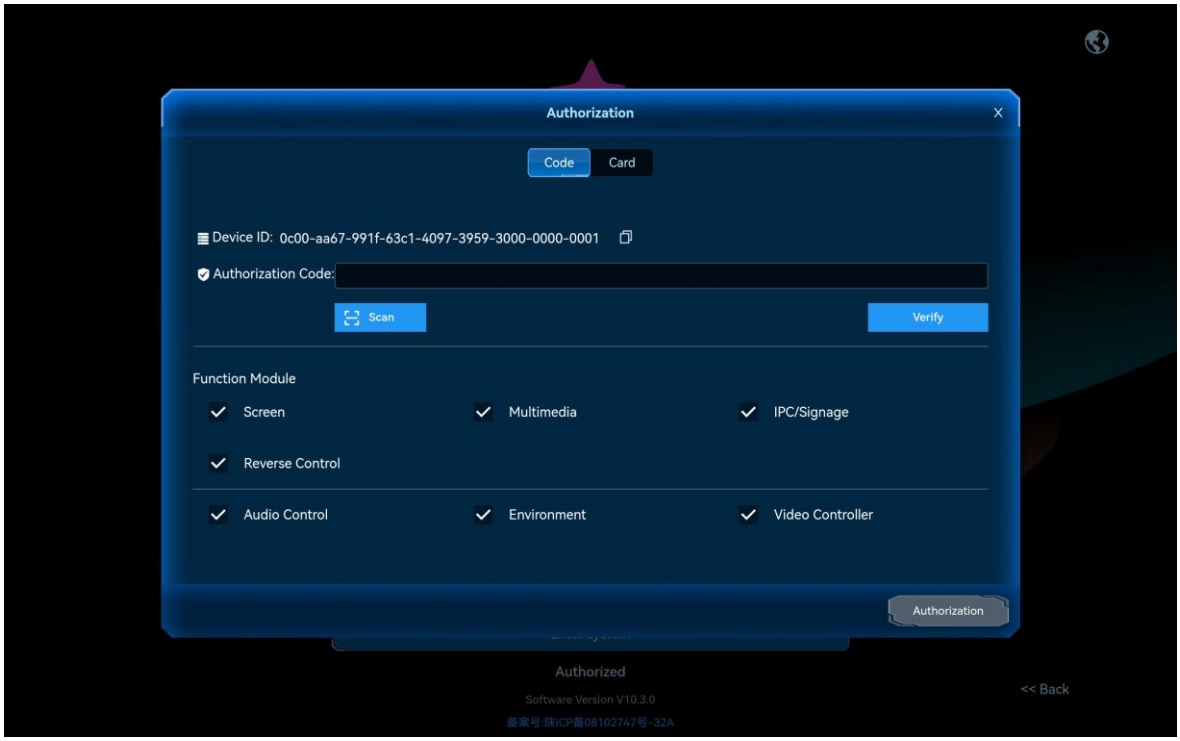
- If you select **Visual Integrated Management Platform** (hereinafter referred to as VIMP), you need to authorize the system in VIMP.
- If you select **Distributed Integrated Management Platform** or **Video Wall Splicer Integrated Management Platform**, you need to authorize the system in VICP.

4.1 Authorization Code

Step 1 Tap VICP to run the app, and then tap **Distributed Integrated Management Platform** or **Video Wall Splicer Integrated Management Platform** to enter the corresponding interface.

Step 2 Tap **Unauthorized** at the bottom to open the authorization window.

Figure 4-1 Authorization interface



Step 3 Send **Device ID** shown here to your sales.

Step 4 Obtain the authorization code from your sales, and fill in the code in the text box.

Tap **Scan** and scan the authorization code, the system will automatically fill in the code in the text box.

Note:

VICP on Windows terminal does not support scanning to fill in the authorization code.

Step 5 Tap **Verify** and the authorized function modules will be displayed below.

Step 6 Tap **Authorization** to complete the authorization.

After a successful authorization, the prompt "**Authorized**" is shown on the login interface.

Tap  at the top right to switch the language. The options include English, Russian, Portuguese, Indonesia and Chinese.

4.2 Authorization Card

Prerequisites

You have purchased the authorization card.

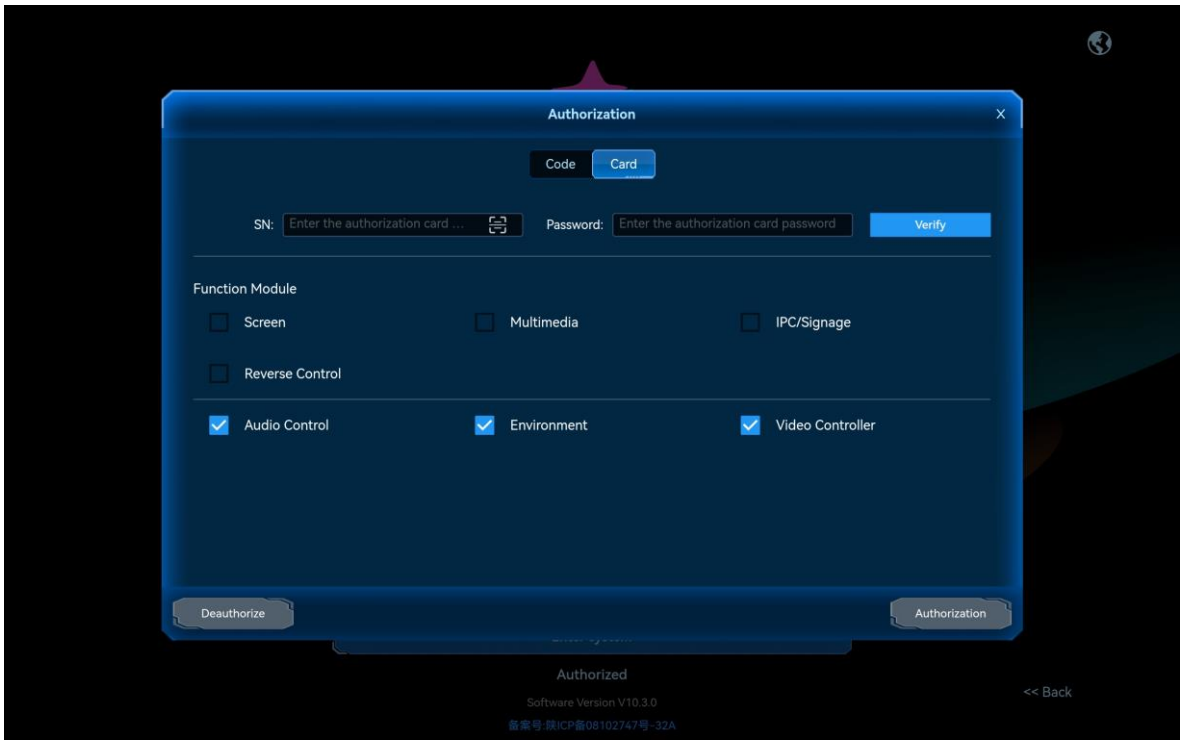
Operating Procedure

Step 1 Tap VICP to run the app, and then tap **Distributed Integrated Management Platform** or **Video Wall Splicer Integrated Management Platform** to enter the corresponding interface.

Step 2 Tap **Unauthorized** at the bottom to open the authorization window.

Step 3 Tap **Card** to enter the authorization card interface.

Figure 4-2 Authorization card



Step 4 Enter the authorization card SN in the text box.

Step 5 Scratch off the password coating, and then enter the password in the text box.

Step 6 Tap **Verify** to verify whether the filled-in information is correct. After a successful verification, the authorization card information will be displayed automatically.

Step 7 Select the desired function module to authorize it.

Step 8 Tap **Authorization** to complete the authorization.

Notes:

- Both the SN and password are case-sensitive.
- Tap next to **SN** and you can take a picture of the authorization card where the authorization information is displayed. The SN and password will be filled in the corresponding text box automatically.
- One authorization card can authorize only one function module at a time.

Reauthorization

You can use the authorization card to reauthorize another function module.

Step 1 After you enter the SN and password, tap **Deauthorize** to deauthorize the current function module.

Step 2 Reselect the desired function module.

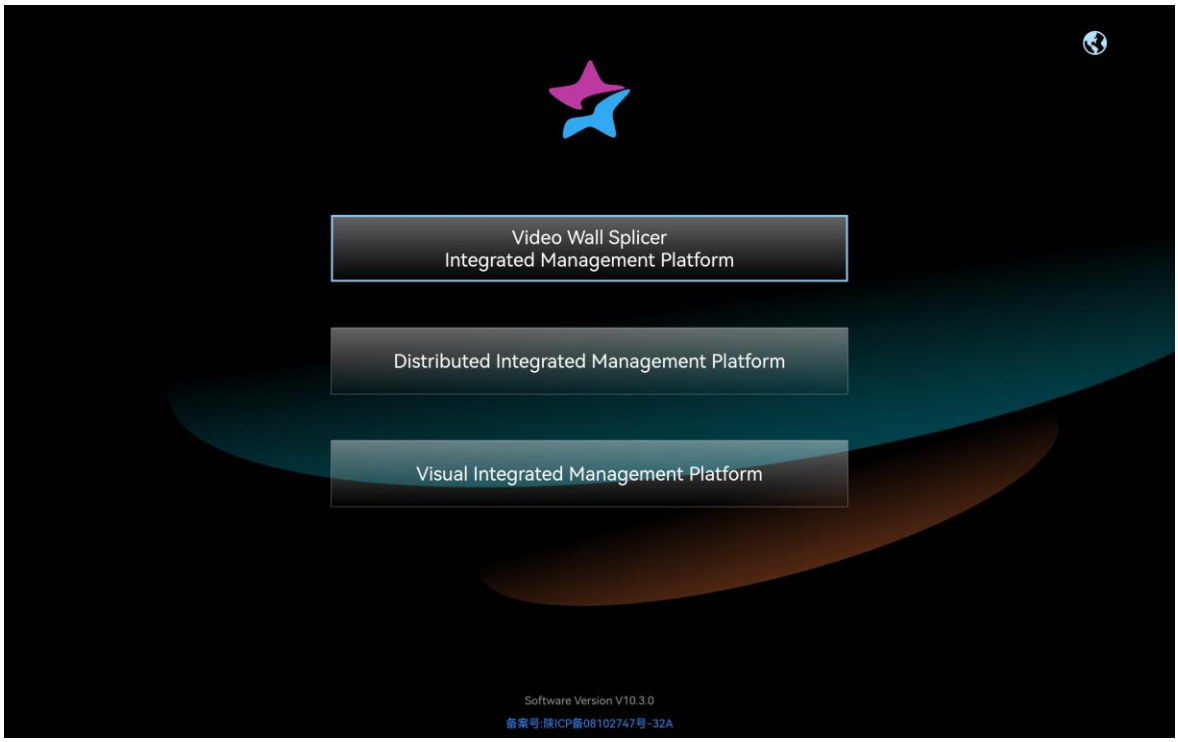
One authorization card can authorize only one function module at a time.

Step 3 Tap **Authorization** to authorize the selected function module.

5 Video Wall Splicer Integrated Management Platform

After you open the software, tap **Video Wall Splicer Integrated Management Platform** to enter the platform configuration interface.

Figure 5-1 Video Wall Splicer Integrated Management Platform



5.1 Device Configuration

Add all the desired devices on the current network to VICP for device control and switching.

5.1.1 Configure Video Wall Splicers

Add all the video wall splicers on the current network to VICP for device control and switching.

Prerequisites

- You must have connected the H series devices to the current network.
- You must have obtained the IP addresses of all the H series devices.

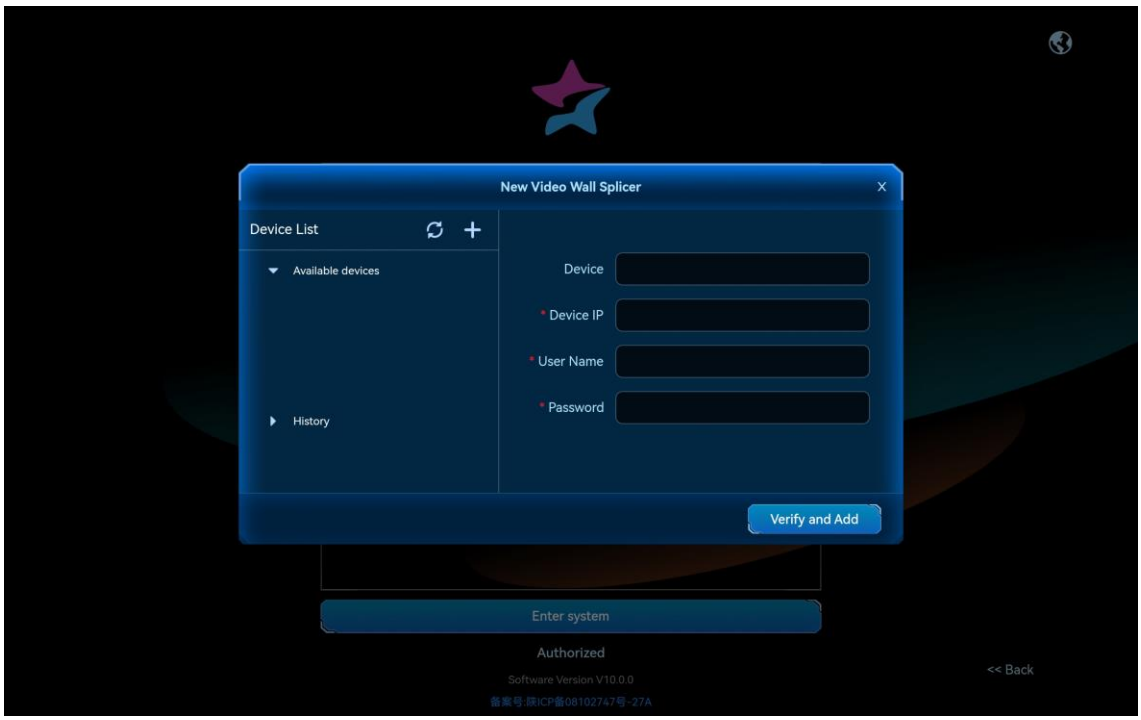
- You must have obtained the user name and password of each H series device.

  The default user name and password are both "admin".

Operating Procedure

Step 1 Tap ⊕ next to **Video Wall Splicer** to add a new video wall splicer.

Figure 5-2 Add video wall splicers



The system will automatically search for the video wall splicers on the current network and show their IP addresses in the **Available devices** list on the left.

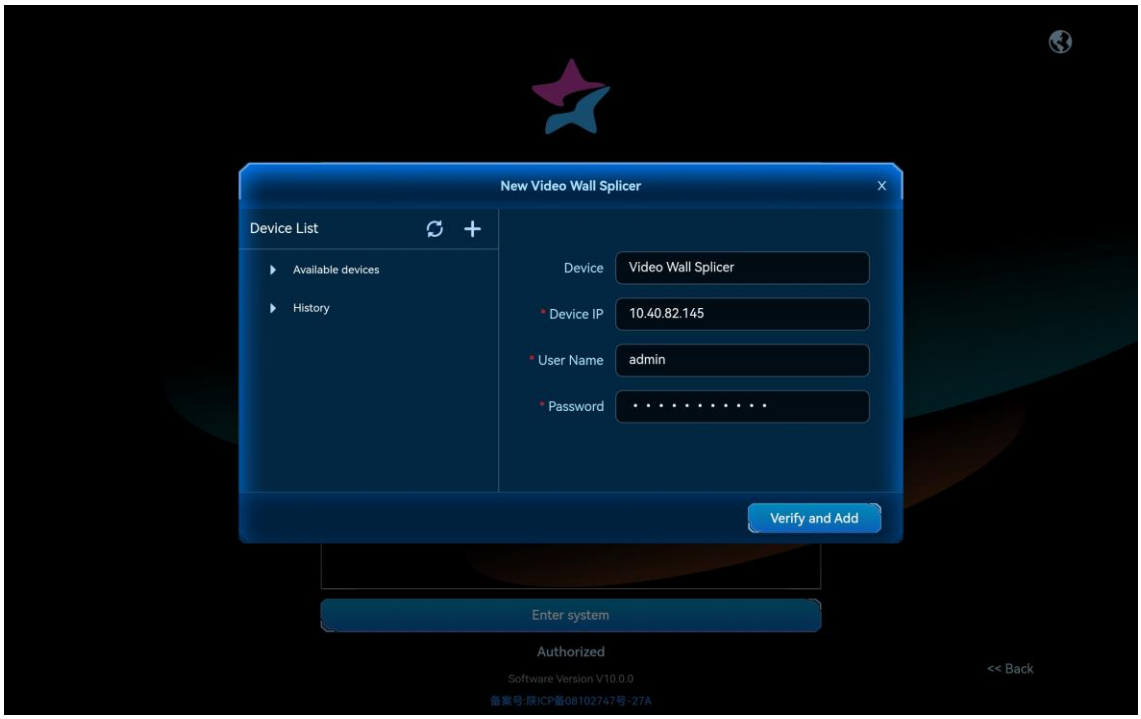
Step 2 Select the desired IP address and it will be shown in the **Device IP** text box on the right.

Step 3 Enter a name for the new video wall splicer next to **Device**.

The name supports at most 20 English letters, numbers and special characters. It is recommended to use a name that is easy to identify.

Step 4 Enter the user name and password respectively in the text boxes next to **User Name** and **Password**.

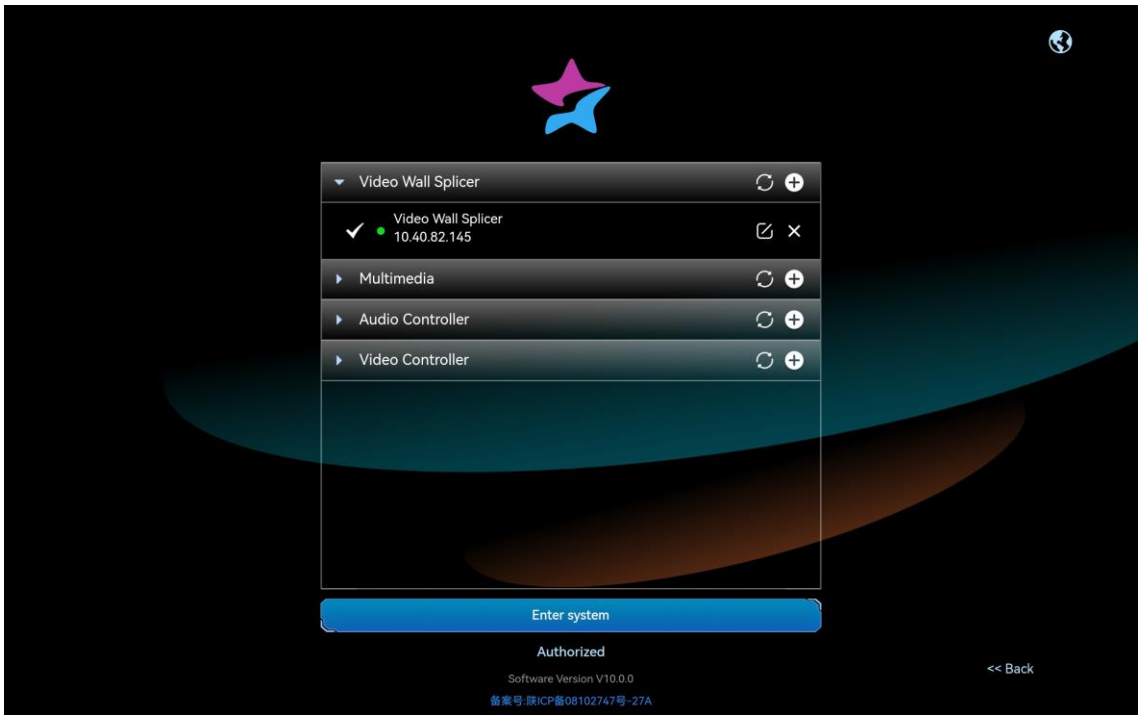
Figure 5-3 Fill in video wall splicer info



Tap + next to **Device List** and the filled-in information will be cleared. You can manually enter the device IP, user name and password to add a new video wall splicer.

Step 5 Tap **Verify and Add**. After a successful verification, your device is listed in the **Video Wall Splicer** list.

Figure 5-4 Device added successfully



Other Operations

- Tap next to the video wall splicer name to edit the encoder/decoder info.
- Tap next to the video wall splicer name to delete the encoder/decoder.
- Status descriptions:
  - : The device is online.
  - : The device is offline.

5.1.2 Configure Media Servers

Add all the desired media servers on the current network to VICP and then perform the device control and switching.

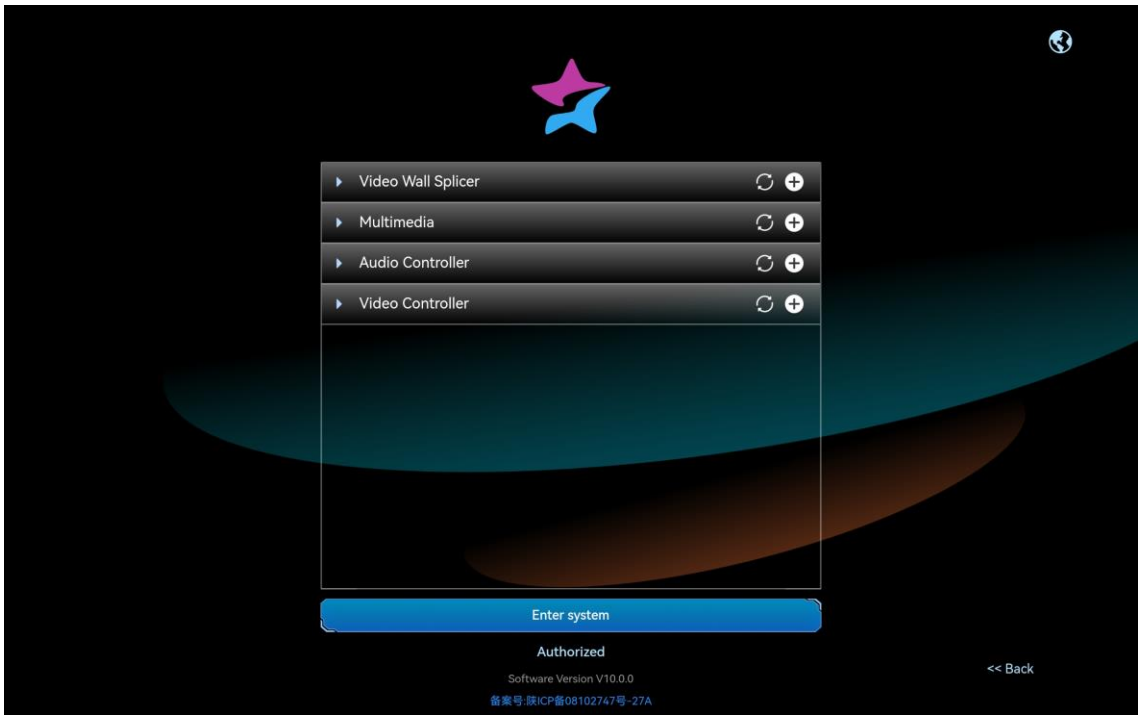
Prerequisites

- You must have connected the media servers to the network.
- You must have obtained the IP addresses of the media servers. For how to obtain the IP address of a media server, please refer to 9.1 How to obtain the IP address of the media server?.
- You must have enabled the external control function of the media server and have obtained the port number for external control in the multimedia playback software that is built in the media server. For how to obtain the port number, please refer to 9.2 How to get the port number of the media server?.

Operating Procedure

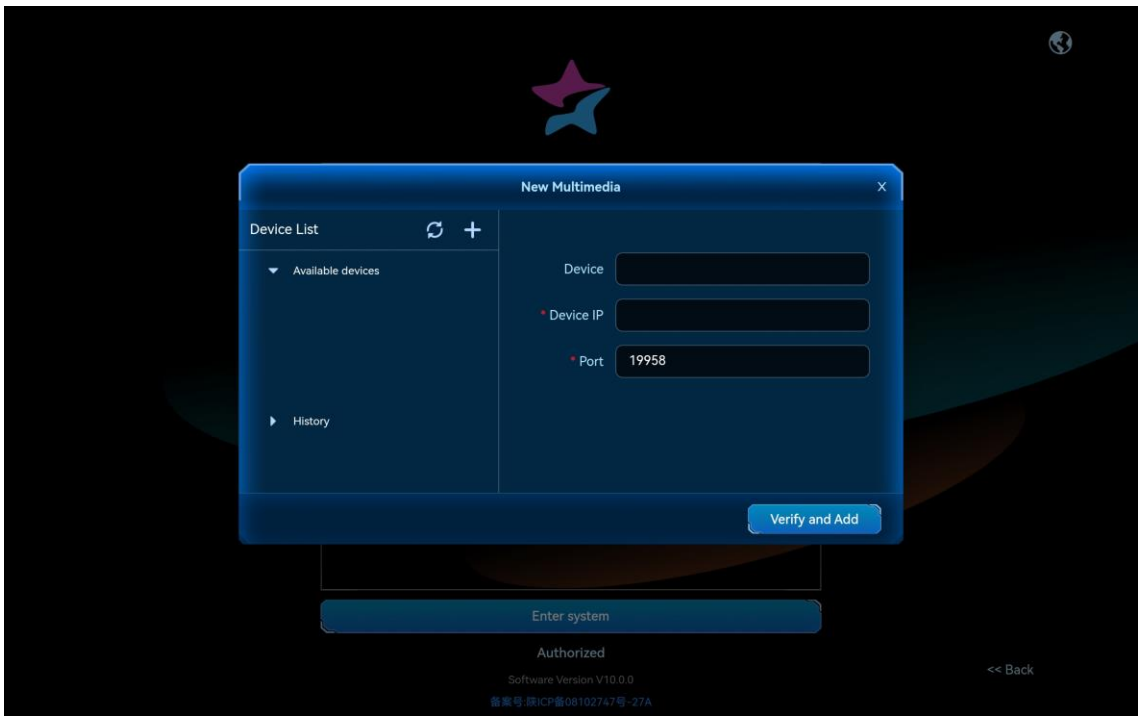
Step 1 Tap **VICP** to run the app.

Figure 5-5 Login interface



Step 2 Tap ⊕ next to **Multimedia** to add a new multimedia.

Figure 5-6 New multimedia



The system will automatically search for all the media servers on the current network and show their IP addresses in the **Available devices** list on the left.

Step 3 Select the desired IP address and it will be shown in the **Device IP** text box on the right.

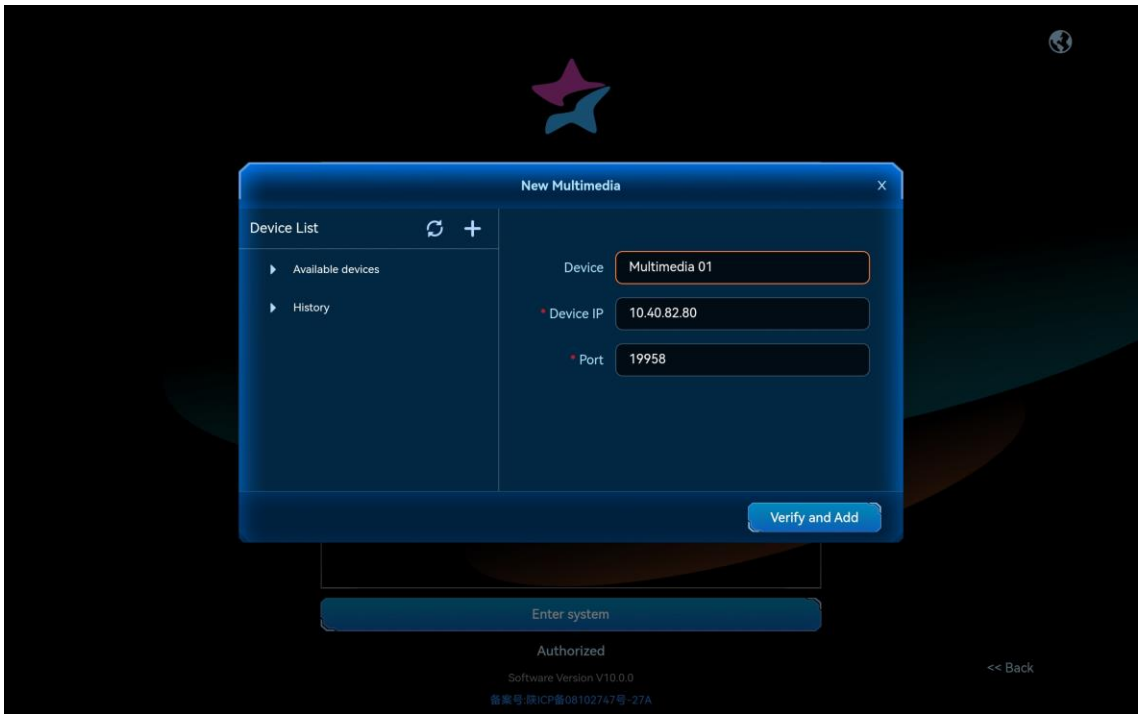
Step 4 Enter a name for the new media server next to **Device**.

The name supports at most 20 English letters, numbers and special characters. It is recommended to use a name that is easy to identify.

Step 5 Enter the port number for the external control function next to **Port**.

The default port number is 19958. If the port number has been changed before, fill in the new port number.

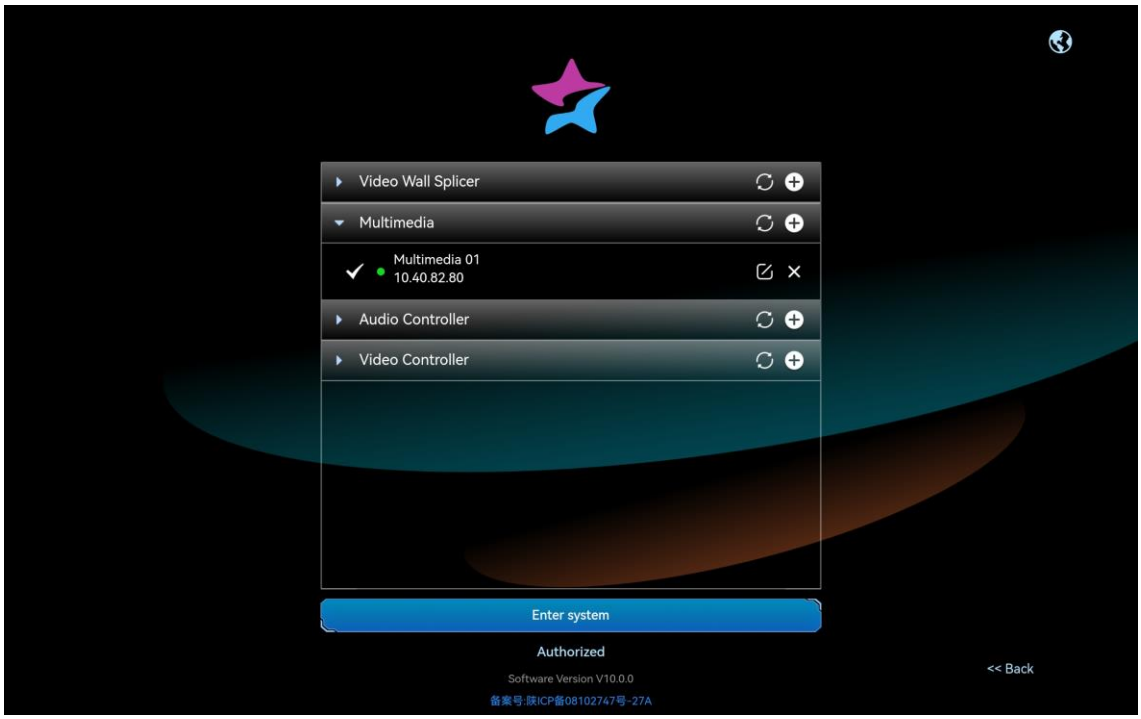
Figure 5-7 Fill in device information



Tap + next to **Device List** and the filled-in information will be cleared. You can manually enter the device IP and port number to add a new media server.

Step 6 Tap **Verify and Add**. After a successful verification, your device is listed in the **Multimedia** list.

Figure 5-8 Device added successfully



Other Operations

- Tap next to the media server name to edit the media server info.
- Tap next to the media server name to delete the media server.
- Status descriptions:
  - : The device is online.
  - : The device is offline.

5.1.3 Configure Audio Controllers

Add the desired audio controllers on the current network to VICP and then perform the device control and switching.

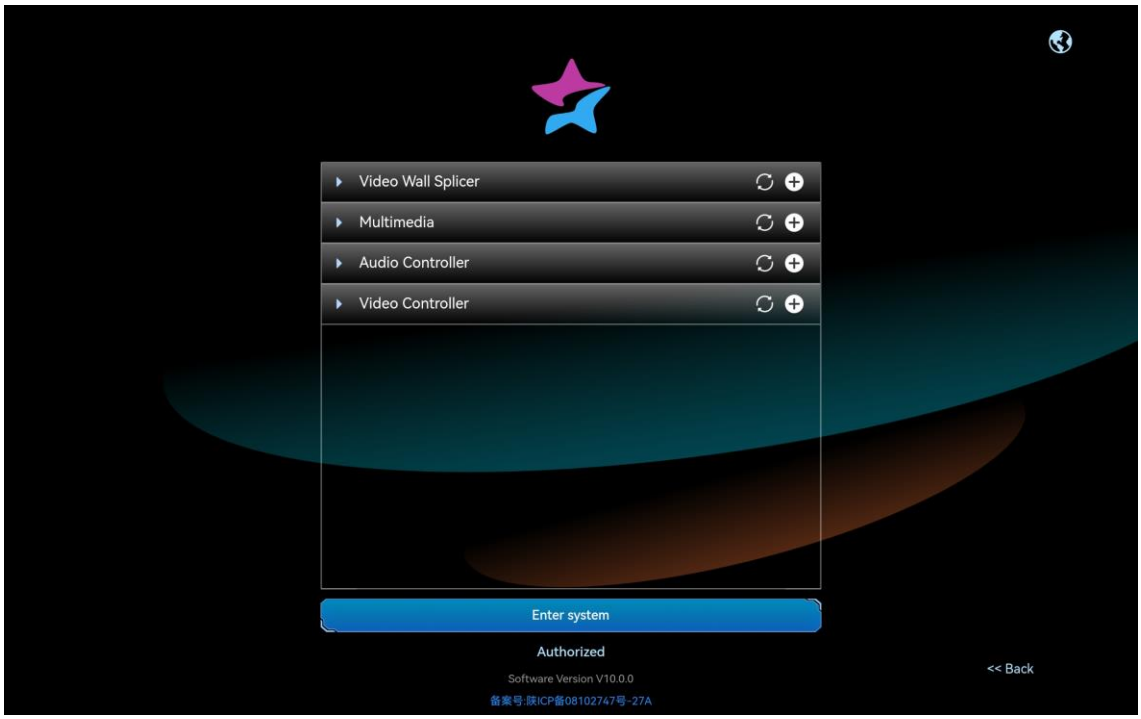
Prerequisites

You must have obtained the port info of the audio controller. The default port is 80.

Operating Procedure

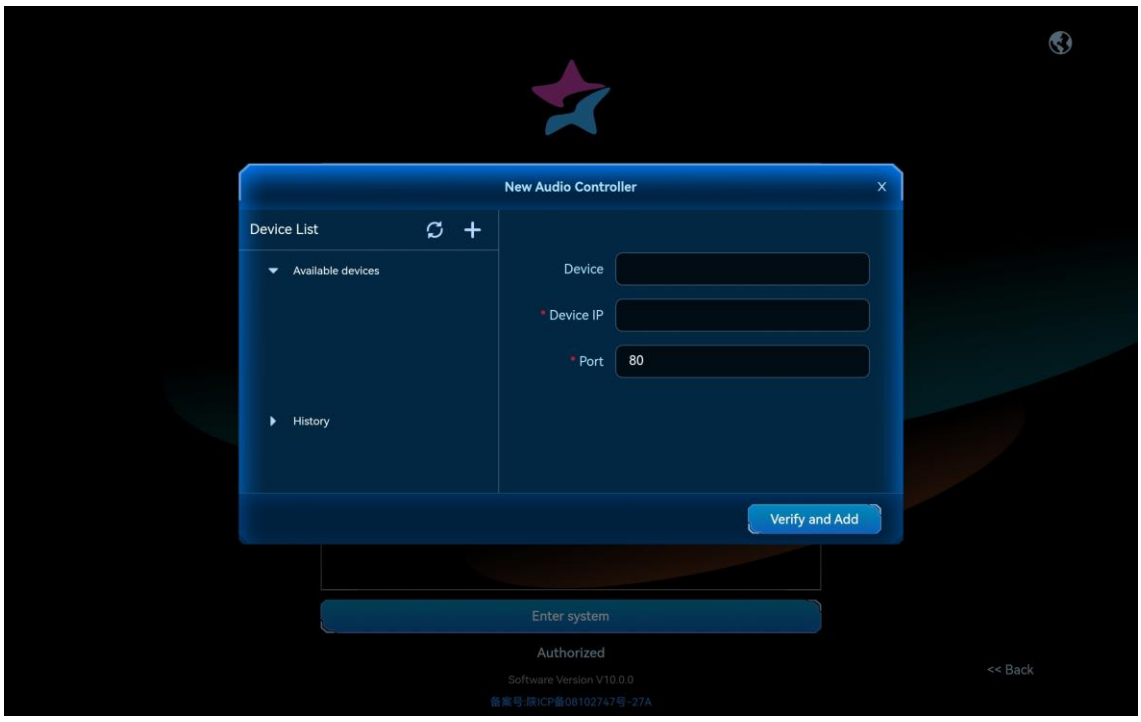
Step 1 Tap **VICP** to run the app.

Figure 5-9 Login interface



Step 2 Tap ⊕ next to **Audio Controller** to add a new audio controller.

Figure 5-10 Add audio controllers



Step 3 Enter a name for the new audio controller next to **Device**.

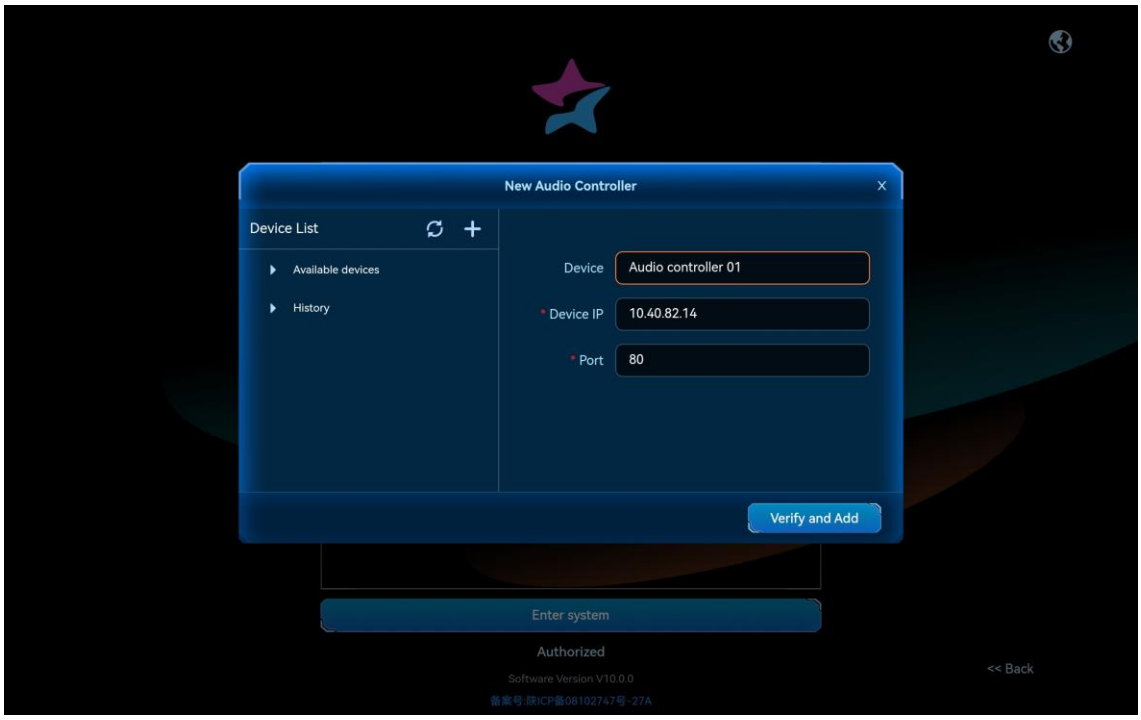
The name supports at most 20 English letters, numbers and special characters. It is recommended to use a name that is easy to identify.

Step 4 Enter the IP address of the audio controller next to **Device IP**.

Step 5 Enter the port number next to **Port**.

The default port number is 80. If the port number has been changed before, fill in the new port number.

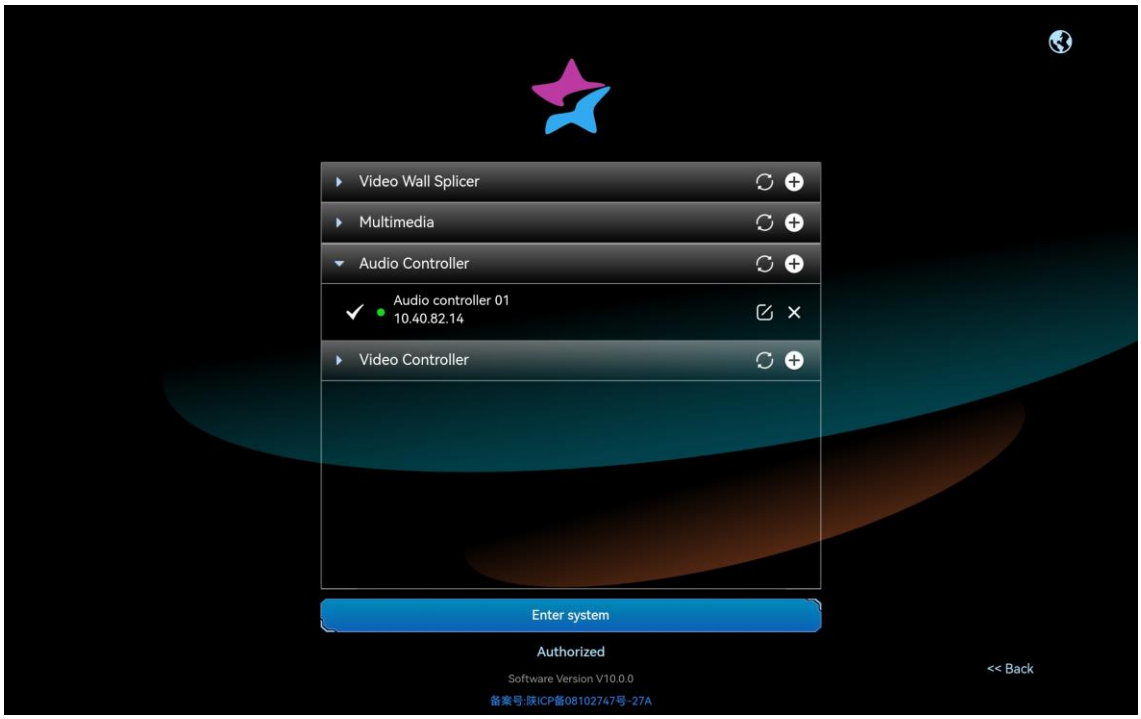
Figure 5-11 Fill in audio controller info



Tap + next to **Device List** and the filled-in information will be cleared. You can manually enter the device IP and port number to add a new audio controller.

Step 6 Tap **Verify and Add**. After a successful verification, your device is listed in the **Audio Controller** list.

Figure 5-12 Device added successfully



Other Operations

- Tap next to the audio controller name to edit the related info.
- Tap next to the audio controller name to delete the audio controller.
- Status descriptions:
  - : The device is online.
  - : The device is offline.

5.1.4 Configure Video Controllers

Add the desired video controllers on the current network to VICP and then perform the device control and switching.

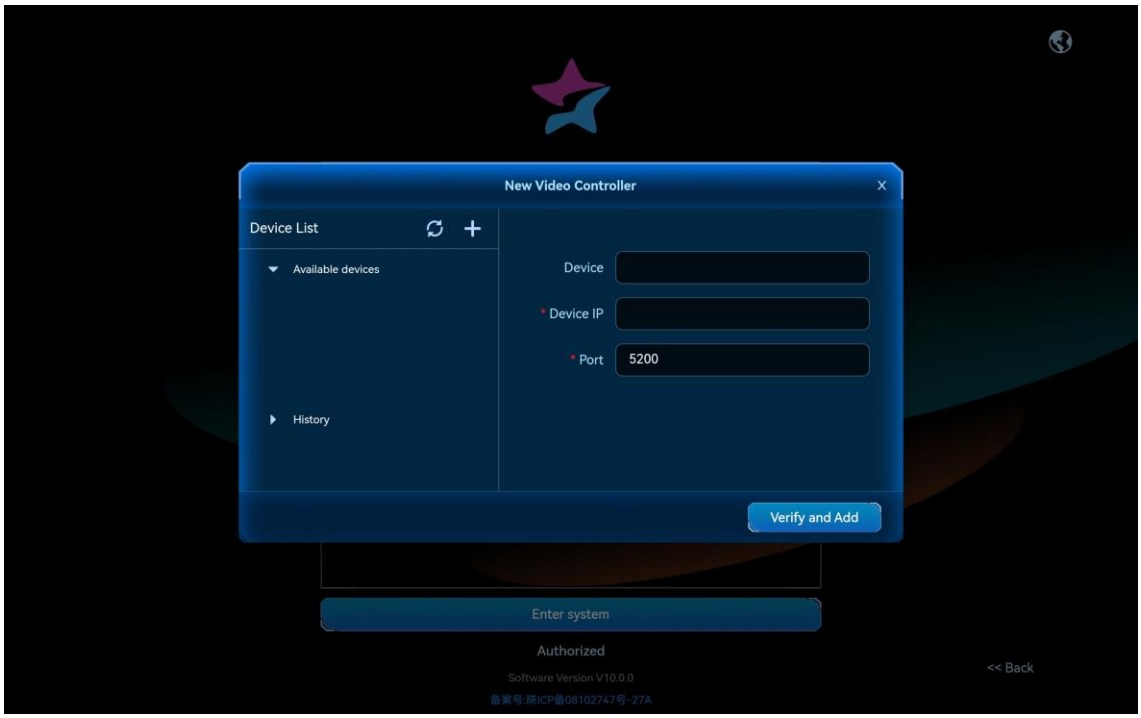
Prerequisites

- You must have connected the video controllers to the network.
- You must have obtained the IP addresses of the video controllers.

Operating Procedure

Step 1 Tap ⊕ next to **Video Controller** to add a video controller.

Figure 5-13 Add video controllers



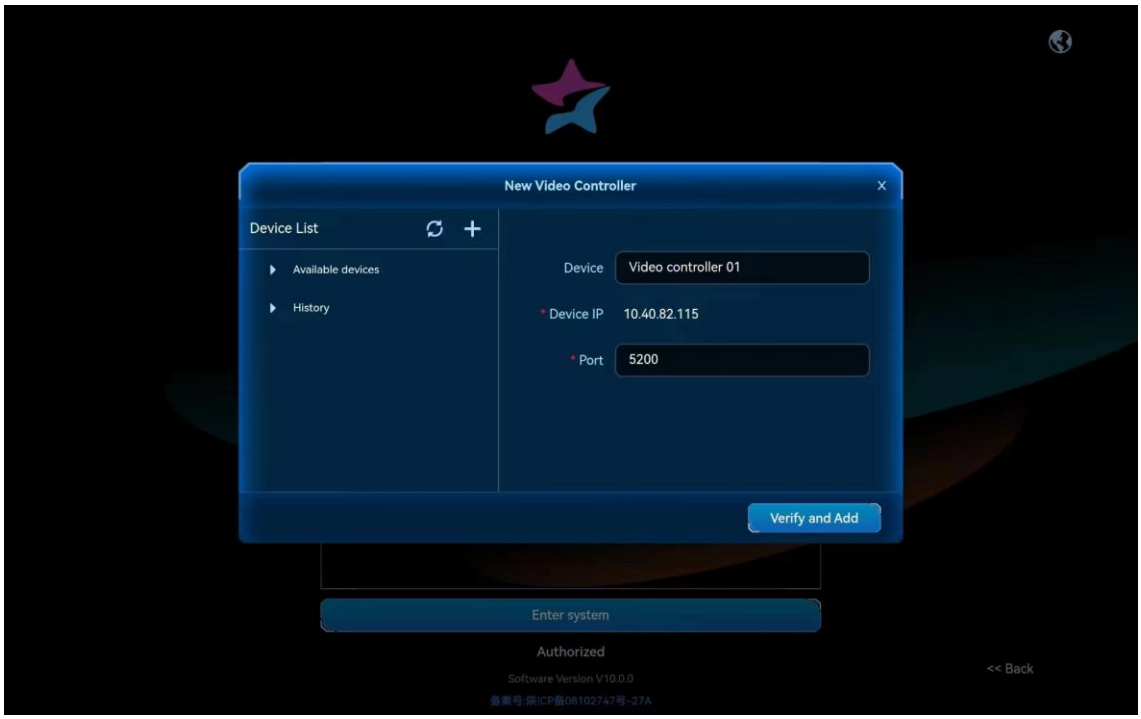
The system will automatically search for all the video controllers on the current network and show their IP addresses in the **Available devices** list on the left.

Step 2 Select the desired IP address and it will be shown in the **Device IP** text box on the right.

Step 3 Enter a name for the new video controller next to **Device**.

The name supports at most 20 English letters, numbers and special characters. It is recommended to use a name that is easy to identify.

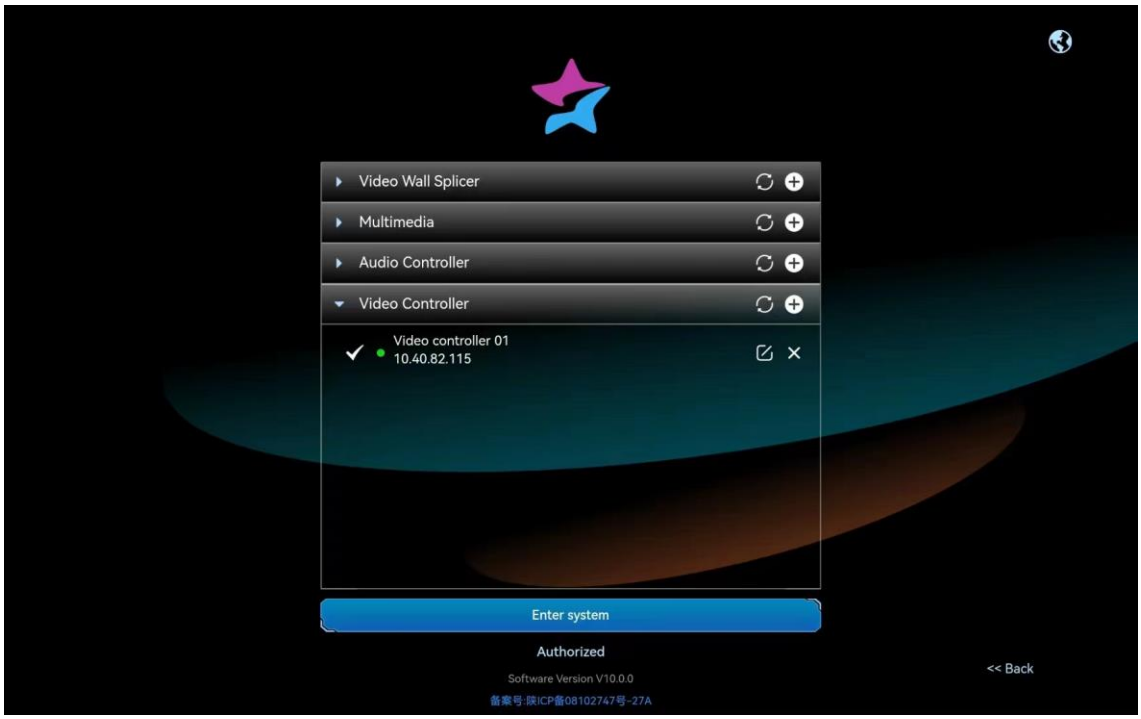
Figure 5-14 Fill in device information



Tap + next to **Device List** and the filled-in information will be cleared. You can manually enter the device IP and port number to add a new video controller.

Step 4 Tap **Verify and Add**. After a successful verification, your device is listed in the **Video Controller** list.

Figure 5-15 Device added successfully



Other Operations

- Tap next to the video controller name to edit the video controller info.
- Tap next to the video controller name to delete the video controller.
- Status descriptions:
  - : The device is online.
  - : The device is offline.

5.2 Enter System

VICP supports the control of encoders, decoders, media servers, IP cameras and audio controllers. When you need to control the IP cameras, you do not have to add the cameras on the login interface and just enter the system directly.

After VICP is started successfully and all the desired devices have been added, tap **Login** to log into the system.

5.3 Multimedia

After a successful login, tap **Multimedia** at the top to enter the multimedia playback control interface where you can perform the following operations.

- Add streaming media and website pages.
- Add layers
- Adjust layer size and position
- Switch programs
- Control playback
- Switch media servers

5.3.1 User Interface Introduction

The media server control interface is shown below.

Figure 5-16 Main user interface

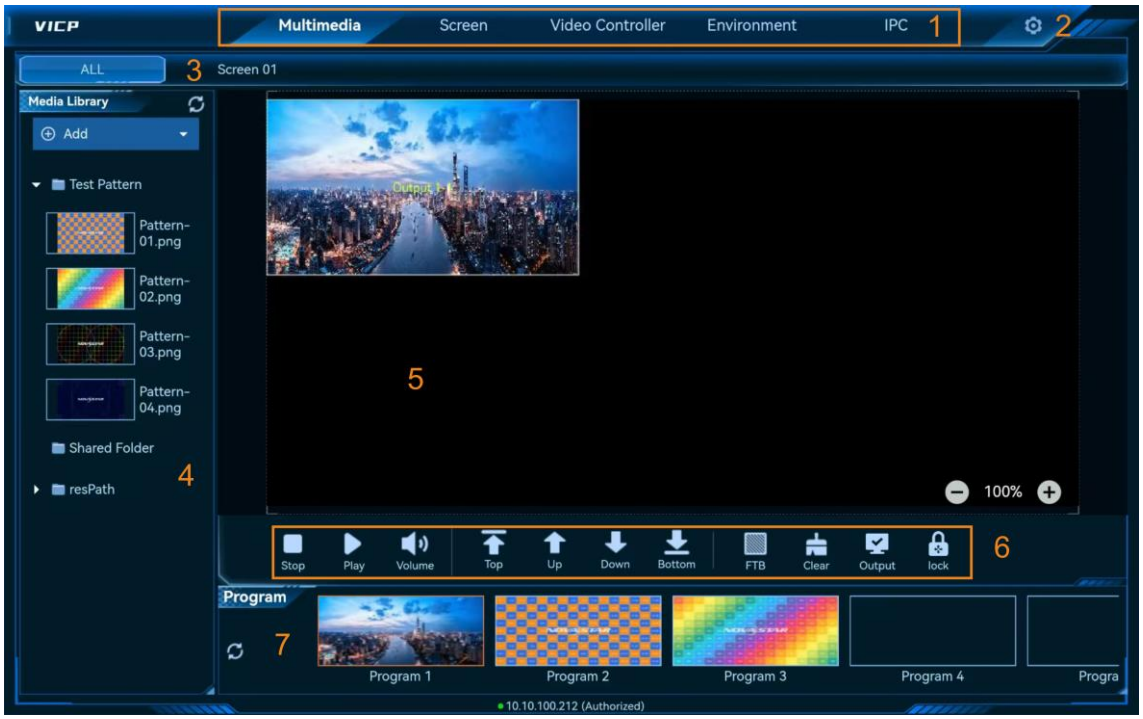


Table 5-1 User interface descriptions

Area	Name	Description
1	Major function tabs	Major function modules are displayed here. Tap one of them to enter the corresponding control interface. • Multimedia: Operate and control the multimedia playback. • Screen: Operate and control the screens loaded by the video wall splicers. • Video Controller: Operate and control the video controller. • Environment: Control the devices controlled by the central control unit. • IPC: Control the IP cameras on the current network. • Audio Control: Control the audio controllers. • Signage: Control the playback of the multimedia players. • Reverse Control: Remotely control the input source PC.
2	Settings	• Customization: Customize your own menu. • Skin: Change the system skin style. • Language: Change the system language.

Area	Name	Description
		• Log Out: Exit the system and return to the login interface.
3	Screen	Single screen management Tap the desired screen to view the bound programs.
4	Media library	• Display all the imported media files. • Add website pages and streaming media.
5	Stage	Display the stage configuration and layer properties configuration.
6	Control	Control the program playback, such as stop, adjusting volume, turning pages for slides.
7	Program	Display and switch the programs.

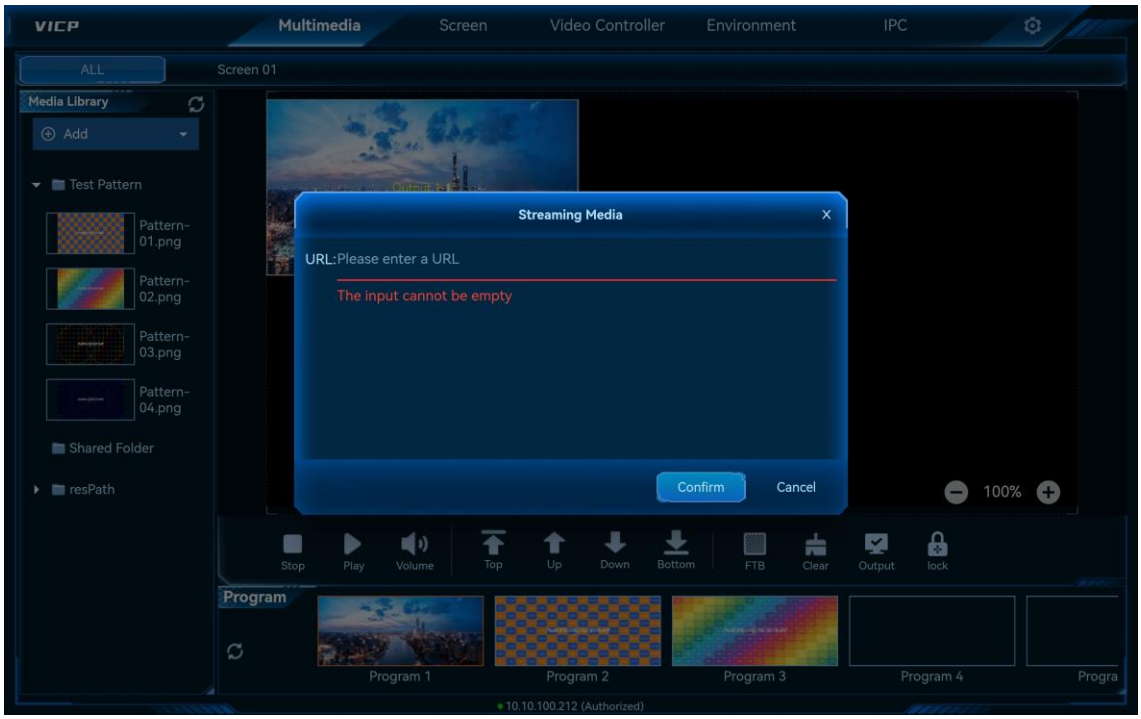
5.3.2 Add Media

You can add streaming media and website pages in VICP.

5.3.2.1 Add Streaming Media

Step 1 Under **Media Library** area, tap **Add Media** to open the window for adding streaming media.

Figure 5-17 Add media



Step 2 Enter the media URL address in the URL field.

The path must begin with "rtsp://", "rtmp://", "http://" or "https://".

Step 3 Tap **Confirm** once you are done.

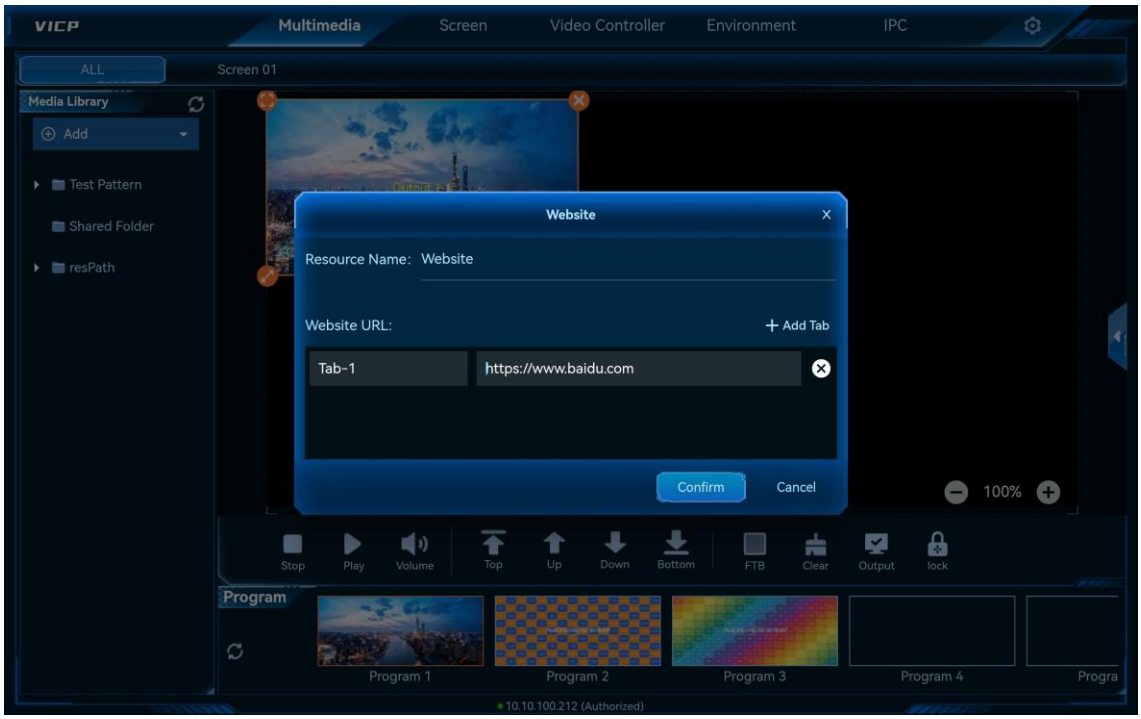
The system will automatically use the streaming media URL as the default media name. However, you can easily change the name within the **Media Library** section of the multimedia playback control software.

5.3.2.2 Add Website Pages

Step 1 In the **Media Library** area, tap **Add Media** to open the window for adding streaming media.

Step 2 Tap **Website** on the left to enter the interface for adding website pages.

Figure 5-18 Add website pages



Step 3 Enter the name of the website in the **Resource Name** field.

Step 4 Enter the tab name in the left text box below **Website URL**.

Step 5 Enter the website URL in the right text box below **Website URL**.

Step 6 [Optional] Tap **Add Tab** to add more tab pages.

Step 7 Tap **Confirm** once you are done.

If the added webpage media has multiple tab pages, you need to change the playback tab in the multimedia playback control software after you add the media to the program.

5.3.2.3 Add OSD

Step 1 In the **Media Library** area, go to **Add** > **OSD** to enter the OSD adding interface.

Step 2 Enter the desired content in the **Text** area.

Step 3 Enter a name next to **Name**.

- Select the desired font from the drop-down list.
- Select the desired font size from the drop-down list.

Step 4 Tap the color block next to **Text Color** to set the font color.

Step 5 Tap the color block next to **BKG Color** to set the display area color.

Step 6 Set the text display position.

When you set the moving effect to **Static**, you can set the text display position.

- : Align the text to the left.
- : Center the text horizontally.
- : Align the text to the right.

Step 7 Set the moving effect.

- Static: The text is displayed statically.
- From Left: The text scrolls from left to right.
- From Right: The text scrolls from right to left.

Step 8 Set the moving speed.

The value ranges from 0 (static) to 100.

Step 9 Set the interval from the end character of the previous scrolling to the start character of the next scrolling.

Step 10 Set the display area information.

1. Deselect the box next to **Adaptive**.
2. Set the display area width.
3. Set the display area height.

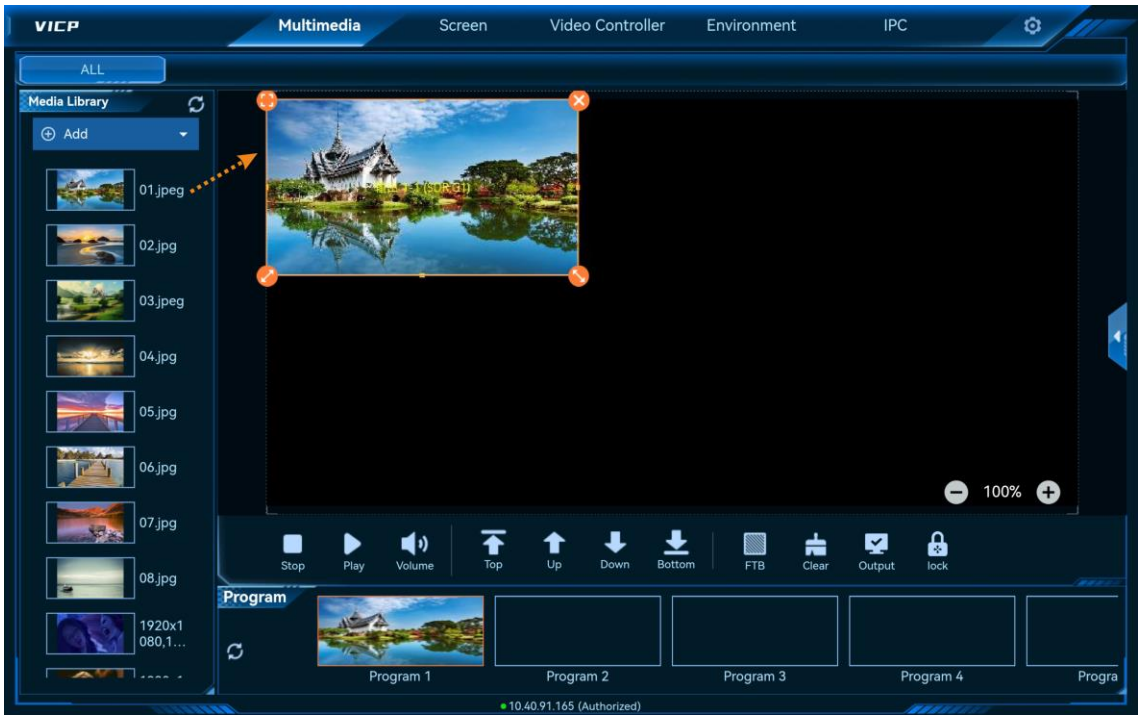
5.3.3 Add Layers

Step 1 In the **Program** area, tap the desired program.

Step 2 In the **Media Library** area, select the desired media file by sliding up or down the media list.

Step 3 Tap and hold the media and then drag it to the stage area to add the media for the target layer.

Figure 5-19 Add layers



5.3.4 Edit Layer Properties

The layer properties include the layer size, position, priority and playback.

Quick Editing

In the stage area, tap the target layer. After a layer is selected, four quick operation buttons appear at four corners of the layer.

- : Tap the icon to make the layer fill the output connector.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top left corner of the layer remains unchanged.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top right corner of the layer remains unchanged.
- : Tap the icon to delete the layer.
- Tap and hold the layer, and then drag it to quickly adjust its position.

Precise Editing

In the stage area, tap the desired layer and then tap on the right edge to expand the layer properties pane.

Figure 5-20 Layer properties

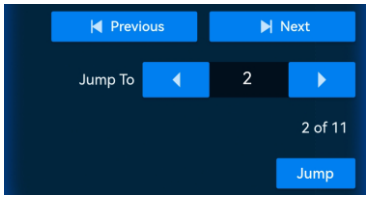
- Playback control
  - Tap or to play the media or pause the media playback.
  - Drag the slider block to control the playback progress.
  - Tap **Previous** or **Next** to select the previous or next media of the current media and control the selected media.
- Position and size adjustment

  Adjust the position and size of the layer by either tapping or for fine adjustments or directly entering the exact values in the text boxes.
  - X: Adjust the initial horizontal position of the layer.
  - Y: Adjust the initial vertical position of the layer.
  - Width: Adjust the layer width.
  - Height: Adjust the layer height.

- Rotate: Rotate the layer image clockwise with the layer center as the rotation point. The value range is 0–360.

- Volume control
  - : Turn on the layer sound, and adjust the volume by either tapping **+/-** or dragging the slider block.
  - : Turn off the layer sound.

- Playback control over PowerPoint files



  - Previous: Tap the icon to view the previous page.
  - Next: Tap the icon to view the next page.
  - Jump: Enter a page number in the text box and tap **Jump** to jump to the specified page.

5.3.5 Delete Layers

Step 1 In the **Program** area, tap the desired program.

Step 2 Tap the target layer.

Step 3 Tap at the top right of the layer to delete it.

5.3.6 Switch Layer Media

Step 1 In the **Program** area, tap the target program.

Step 2 In the **Media Library** area, select the desired media file by sliding up or down the media list.

Step 3 Tap and hold the media and then drag it to the center of the target layer to replace the existing media.

5.3.7 Play Programs

In the **Program** area, tap the desired program to play and switch it.

5.3.8 Playback Control

- Stop: Stop the program playback.
- Play: Play the selected program.
- Suspend: Pause the program playback.
- Volume: Tap the icon to show the volume adjustment bar and then drag the slider block to adjust the volume.
- Mute: Turn on/off the sound of the selected program.
- Top: Bring the layer to the front.
- Up: Move the layer one level up.
- Down: Move the layer one level down.
- Bottom: Send the layer to the back.
- Clear: Clear all the layers in the selected program.
- Output: Enable or disable the media output.

5.3.9 Switch Media Servers

After configuring the media servers on the login page, you can switch the media server directly on the main user interface without the need to exit the current server and reconfigure the new server.

Prerequisites

You have configured the media servers in the **Multimedia** area on the login page.

Operating Procedure

Step 1 Tap **Multimedia** at the top on the main user interface to show the online media server list.

Server status descriptions are as follows:

-  : The media server is being operated.
-  : The media server is online and ready for use.
-  : The media server is offline and not ready for use.

Step 2 Tap the icon to switch to the desired media server.

5.4 Screen

Tap **Screen** to enter the control interface of the video wall splicers.

5.4.1 User Interface Introduction

Figure 5-21 Main interface

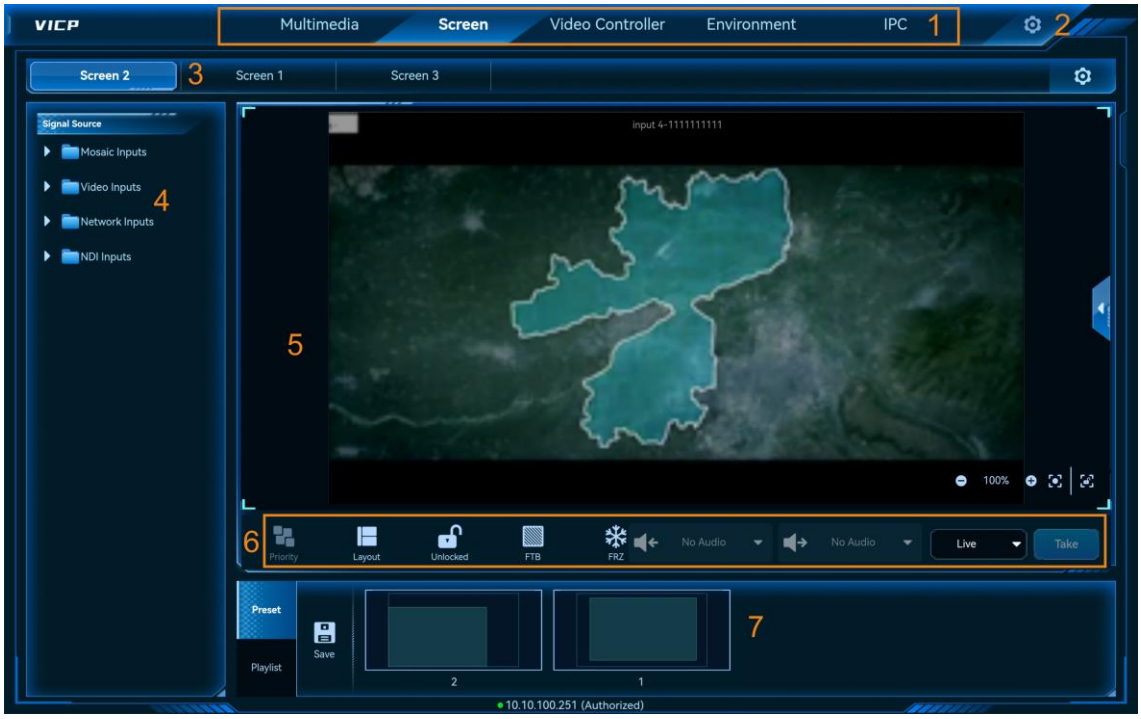


Table 5-2 User interface descriptions

Area	Name	Description
1	Major function tabs	Major function modules are displayed here. Tap one of them to enter the corresponding control interface. • Multimedia: Operate and control the multimedia playback. • Screen: Operate and control the screens loaded by the video wall splicers. • Video Controller: Operate and control the video controller. • Environment: Control the devices controlled by the central control

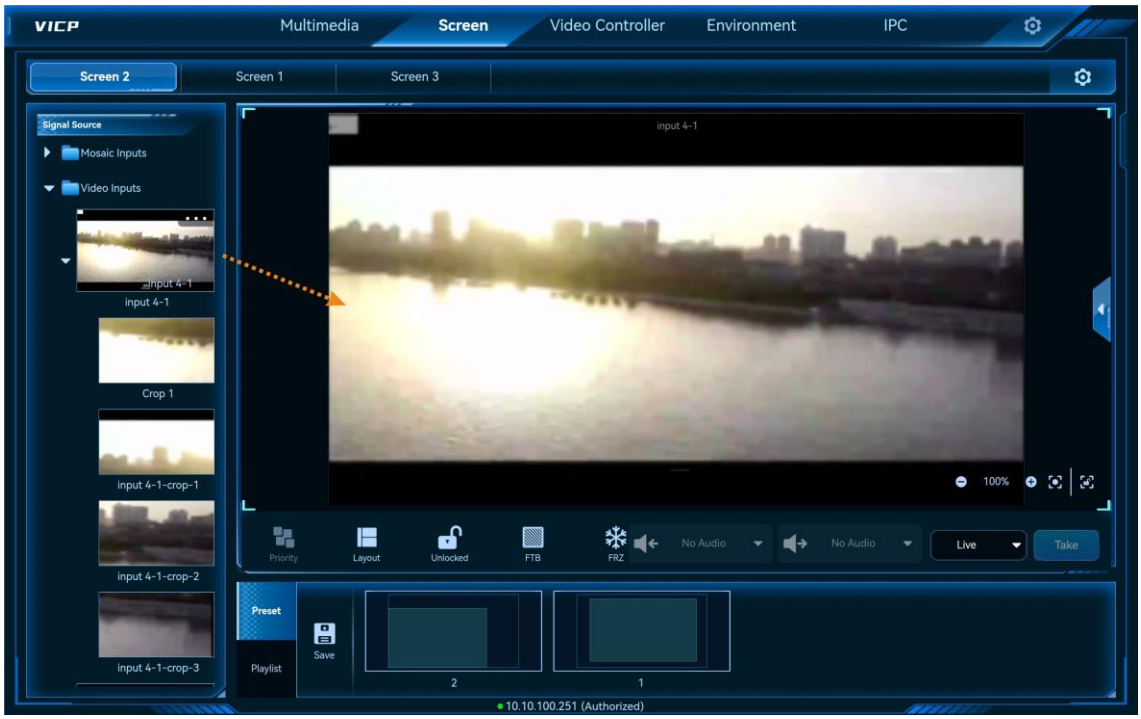
Area	Name	Description
		unit. • IPC: Control the IP cameras on the current network. • Audio Control: Control the audio controllers. • Signage: Control the playback of the multimedia players. • Reverse Control: Remotely control the input source PC.
2	Settings	• Customization: Customize your own menu. • Skin: Change the system skin style. • Language: Change the system language. • Log Out: Exit the system and return to the login interface.
3	Screen	• Display and switch the screens loaded by the video wall splicers.
4	Signal source	• List the signals connected to the video wall splicers well as the configured IPC sources.
5	Screen editing area	• Display all the layer layout info. • Add and adjust the layers. • Switch the layer input sources
6	Control	• Quickly adjust the layer layout. • Control the screen locking and output display, and also quickly clear the layers. • Control the FTB, freeze and brightness adjustment.
7	Preset and schedule	• Preset: Display all the saved presets for the current screen. • Schedule: Display all the created preset playlists for the current screen.

5.4.2 Layer Operations

5.4.2.1 Add Layers

Tap and drag an input source in the signal list on the left and drag it to the screen to add a layer.

Figure 5-22 Add layers manually



When you tap the layer, four function icons appear at four corners of the layer, allowing for quick adjustment.

- : Tap this icon to make the selected layer fill the screen.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top left corner of the layer remains unchanged.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top right corner of the layer remains unchanged.
- : Tap the icon to delete the layer.

Note:

Double tap the layer to make the layer fill the output connectors where it locates and crosses.

5.4.2.2 Adjust Layer Properties

After a layer is selected, tap on the right edge to expand the layer properties pane.

Figure 5-23 Layer properties

- X: Set the initial horizontal position of the layer, that is, the horizontal offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Y: Set the initial vertical position of the layer, that is, the vertical offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Width: Set the layer size in the horizontal direction. The unit is the pixel.
- Height: Set the layer size in the vertical direction. The unit is the pixel.
- Volume: Turn on/off the selected layer volume.
- Lock Layer: Set whether to lock the selected layer. After the layer is locked, any adjustment will not take effect.

Parameter Adjustment

- Tap  or  to increase or decrease the parameter value by one pixel at a time.
- Enter the parameter value directly between  and  .

5.4.2.3 Delete Layers

After you have loaded a preset or added a layer, tap the layer and four function icons appear at the corners of the layer. Tap  at the top right corner to delete the layer.

Tap in the control area to clear all the layers on the current screen.

5.4.2.4 Switch Layer Input Sources

Slide the signal source list up and down, and then select the target source and drag it to the layer to switch the layer input source. The layer size remains unchanged.

Figure 5-24 Switch layer input sources

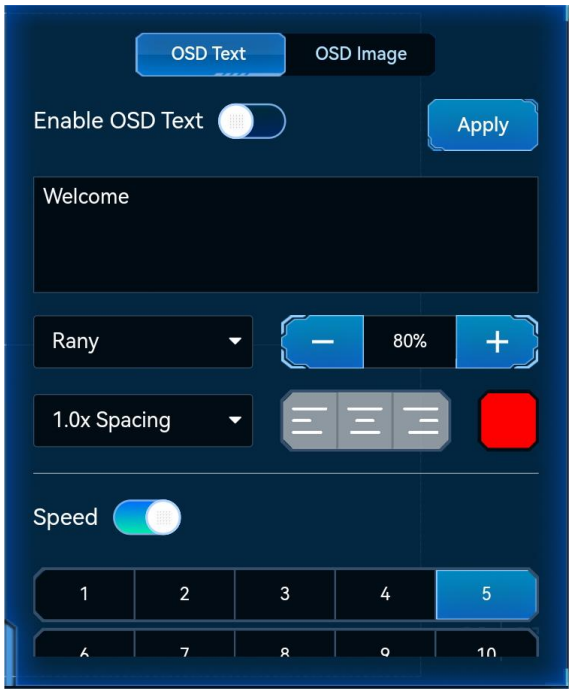
5.4.2.5 Add OSD

Step 1 Tap a video wall name to select the desired video wall.

Step 2 Tap OSD in the control area to expand the OSD settings pane.

If you do not select a layer, tap on the right edge to expand the OSD properties pane.

Figure 5-25 OSD settings pane



OSD Text

Step 1 Tap the **OSD Text** tab to show the OSD text settings.

Step 2 Toggle the switch next to **Enable OSD Text** to turn on the OSD text function.

Step 3 In the text box below **Enable OSD Text**, enter the OSD text content.

Figure 5-26 OSD Text

Step 4 Set the OSD text properties.

Figure 5-27 OSD Text properties

- Set the text font.

  From the drop-down list, select the desired text font.

- Set the text size.

  Set the text size by either entering the value in the text box or tap  or  . The text size is shown in percentage that indicates the ratio of the text size to the text area height.

- Set the text spacing.

  From the drop-down list, set the spacing between two letters or characters.

- Set the color and opacity of the text OSD.
- Set the text alignment method.

  When the switch next to **Speed** is disabled, the alignment item is available. Three alignment options are provided.

  - (Align left): Align the text content with the left margin of the OSD area.
  - (Center): Center the text content in the OSD area.
  - (Align right): Align the text content with the right margin of the OSD area.

Step 5 Set the OSD text scrolling speed.

Toggle the switch next to **Speed** to enable the text scrolling.

Tap the desired speed in the Speed area. The default value is 5.

Step 6 Set the OSD text scrolling direction.

The options are **From Right** (default) and **From Left**.

Step 7 Set the background color of the OSD text.

A solid color is supported.

1. Toggle the switch next to **Background Color** to turn on the background for OSD text.
2. Tap the color block icon next to **Background Color** to open a window where you can select or custom colors.
3. Select an existing color or enter the RGB values to define a custom color in the displayed window.
4. Tap and drag the slider block to set the opacity for the OSD background.

Step 8 Set the OSD position and size.

- Position

- X: Set the horizontal distance from the top left corner of the OSD to that of the screen.
- Y: Set the vertical distance from the top left corner of the OSD to that of the screen.

- Size
  - Width: Set the OSD area width. The value ranges from 64 to 7620 pixels.
  - Height: Set the OSD area height. The value ranges from 64 to 3240 pixels.

Step 9 Tap **Apply** at the top right corner of the OSD settings pane to complete the OSD text settings and display the OSD text on the screen.

OSD Image

Before enabling the OSD image, you need to upload the image and add the OSD image for the screen in VIMP.

Step 1 Tap the **OSD Image** tab to show the OSD image settings.

Step 2 Toggle the switch next to **OSD Image** to turn on the OSD image function.

Step 3 Tap **Apply** at the top right corner of the OSD settings pane to display the OSD image on the screen.

5.4.2.6 Set Reverse Control

When the accessed signal is from your local computer, the reverse control function is supported.

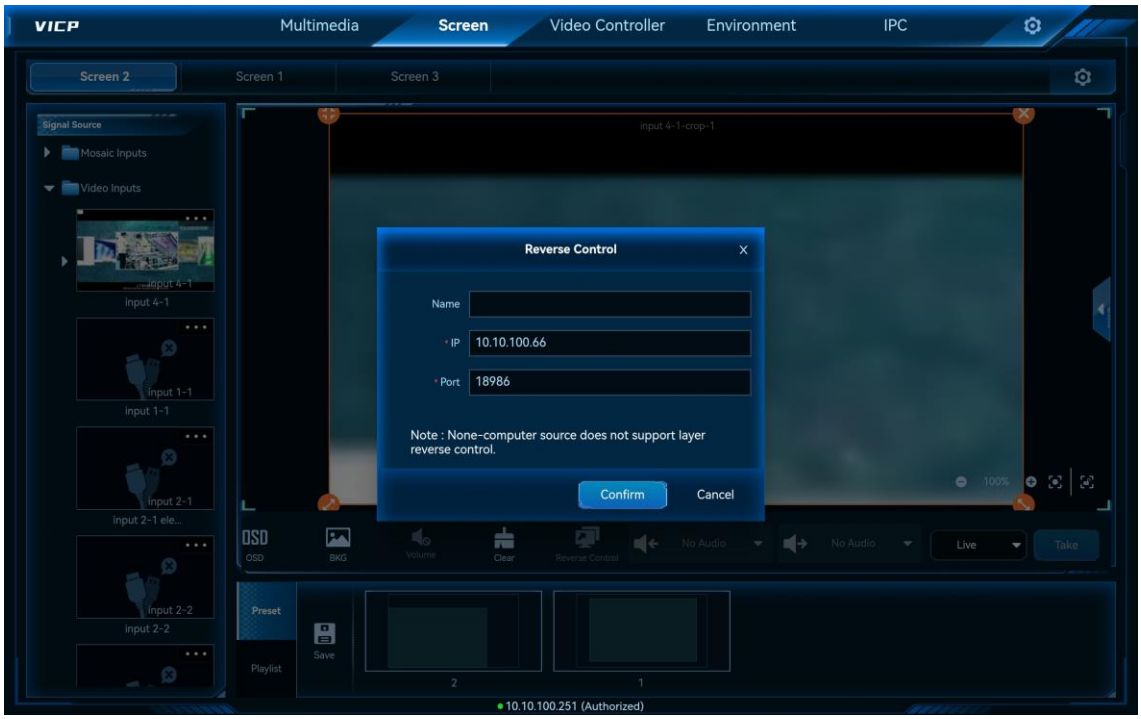
Prerequisites

The signal source must be a local signal (connected to your local device) and must come from a computer with the Windows OS installed.

Operating Procedure

Step 1 In the signal list on the left, tap  at the top right of a desired input source and tap **Reverse Control** to open the reverse control setting window.

Figure 5-28 Reverse control of input source

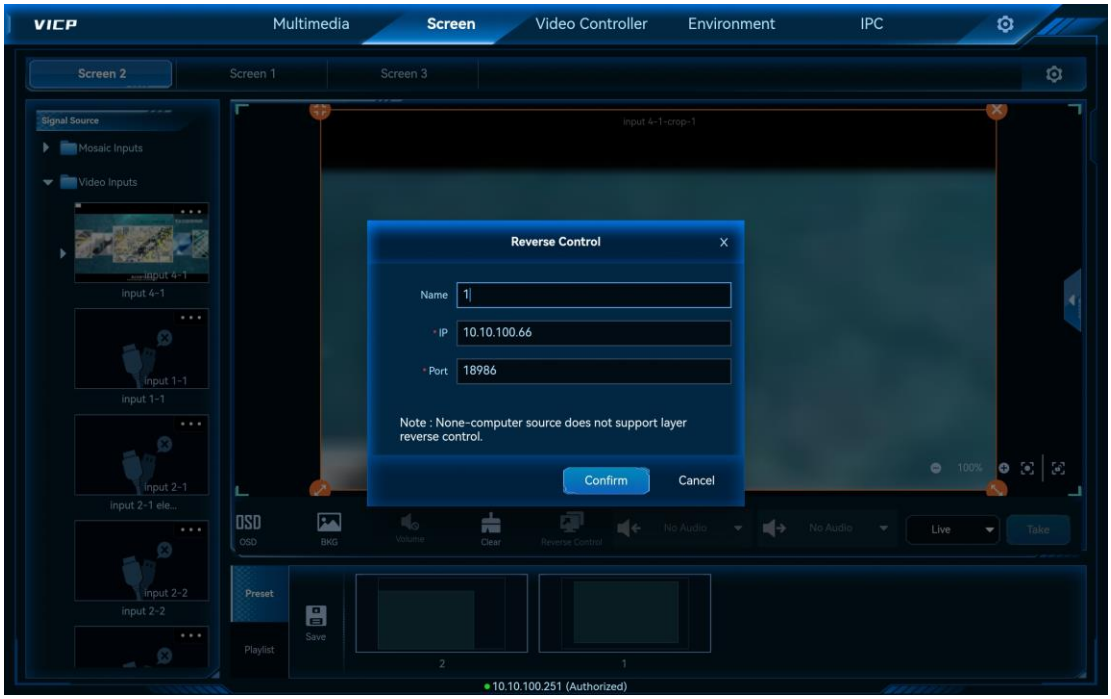


Step 2 Enter the name of the reverse control device.

The added reverse control device will be displayed in the reverse control device list.

Step 3 Enter the IP address of the computer where the signal source comes from. For the port No., use the default value.

Figure 5-29 Enter the computer IP address



Step 4 Tap **Confirm**.

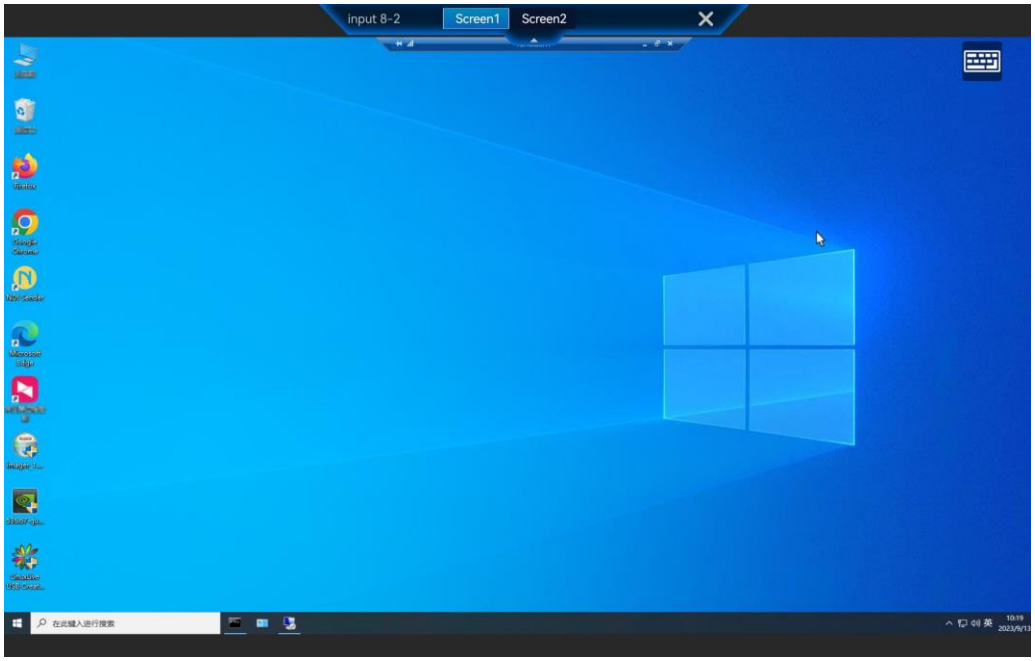
Step 5 Tap a video wall name to select the desired video wall.

Step 6 In the **Signal Source** list on the left, select the signal source that has been configured for reverse control, and then use this signal to add a layer.

Step 7 Tap the layer you have added.

Step 8 Tap **Reverse Control** in the screen control area and the system will connect to the signal source and show the desktop of your local computer. Enter the login password if required to log in to the local computer and perform the needed operations.

Figure 5-30 Reverse control



Tap **×** at the top to exit the reverse control interface.

5.4.3 Preset Operations

5.4.3.1 Load Presets

Prerequisites

You have saved a preset on the Web control page.

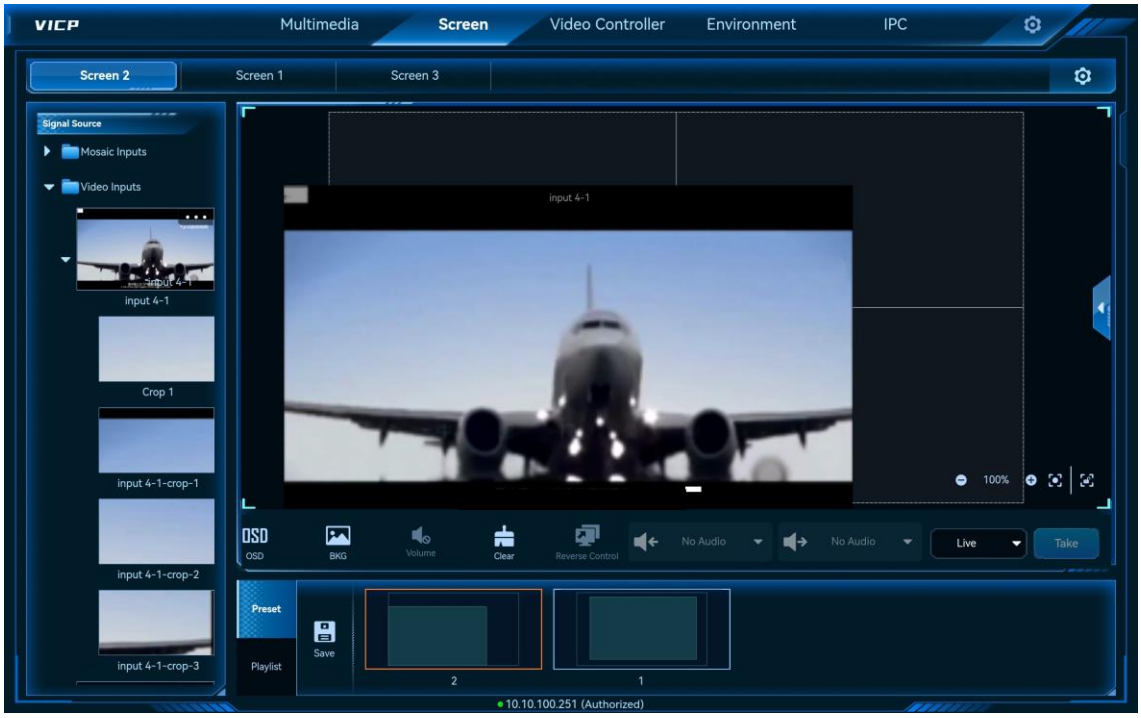
Operating Procedure

Step 1 On the screen control interface, tap the desired screen to enter the corresponding screen control interface.

Step 2 Tap **Preset** to show the preset list.

Step 3 Tap the desired preset to load it.

Figure 5-31 Load presets



Note:

After a preset is loaded, you can select a layer and change its size and position, or switch the layer input source by tapping and dragging the desired source to the layer. All the changes you have made will not be saved to the preset.

5.4.3.2 Preset Playback

Prerequisites

You have added a preset playlist playback on the Web control page.

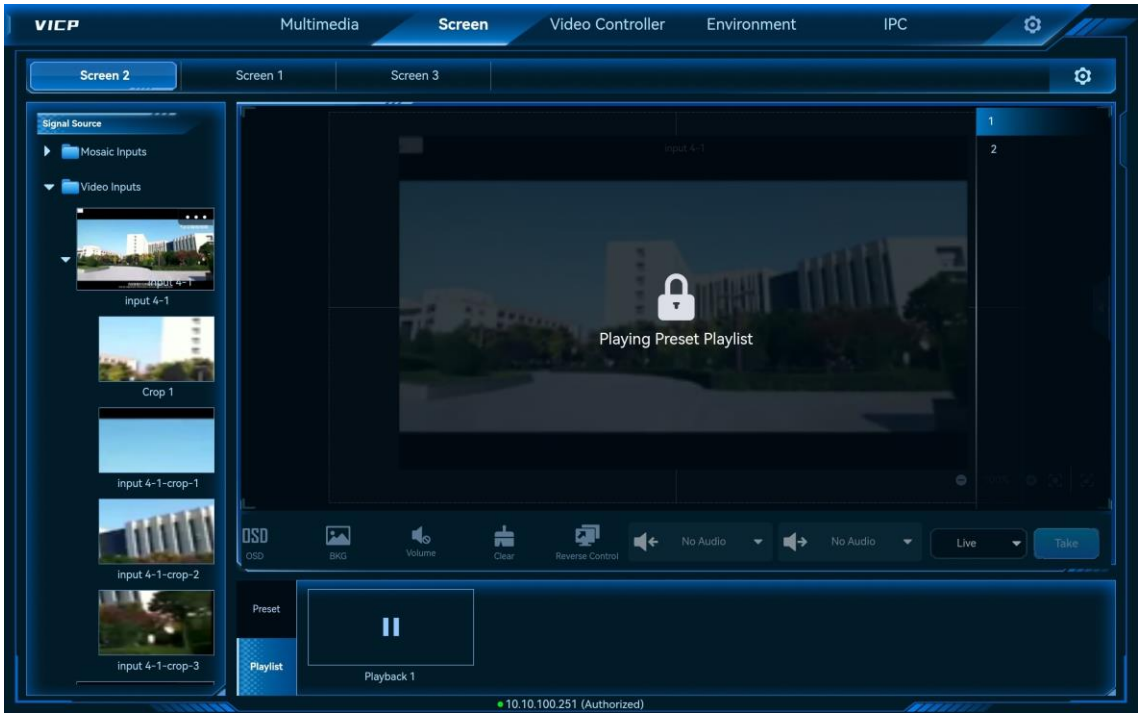
Operating Procedure

Step 1 On the **Screen** interface, tap the desired screen to enter the corresponding screen control interface.

Step 2 Tap **Schedule** to show the preset playback list.

Step 3 Tap ▶ on a preset playlist to play it.

Figure 5-32 Preset Playback



During the playback, the screen is locked automatically and no operations are allowed. Tap ⏸ to stop the playback and then you can perform other operations.

5.4.4 Screen Control

- Priority:
  - Top: Bring the selected layer to the top.
  - Bottom: Send the selected layer to the bottom.
  - Up: Bring the selected layer one level up.
  - Down: Send the selected layer one level down.

- Layout: Quickly add and arrange the layers with the selected layout.
- Unlocked: Lock the current screen layers. When locked, the screen layers cannot be edited and changed.
- Locked: Unlock the layers on the screen.
- : Make the screen fade to black.
- : Turn off the fade to black setting.
- : Freeze the output image.
- : Unfreeze the output image.
- : Adjust the output image brightness of the LED screen.
- OSD: Set the OSD text or OSD image.
- BKG: Display or undisplay the BKG image.
- Volume: Adjust the layer output volume.
- : Clear all the layers on the current screen.
- Reverse Control: When the signal source is from your local computer, control the computer where the signal comes from.
- Take: When Pre-Edit is selected, tap Take after the layer editing is completed to send the layer images to the screen.

If the H_2xAudio input+2xAudio output card is installed on an H series device, you can set the input and output audio.

- : Set the input audio.
- : Set the output audio.

5.4.5 Switch Video Wall Splicers

After configuring the video wall splicers on the login page, you can switch the splicers without the need to exit the current control and reconfigure the splicer.

Prerequisites

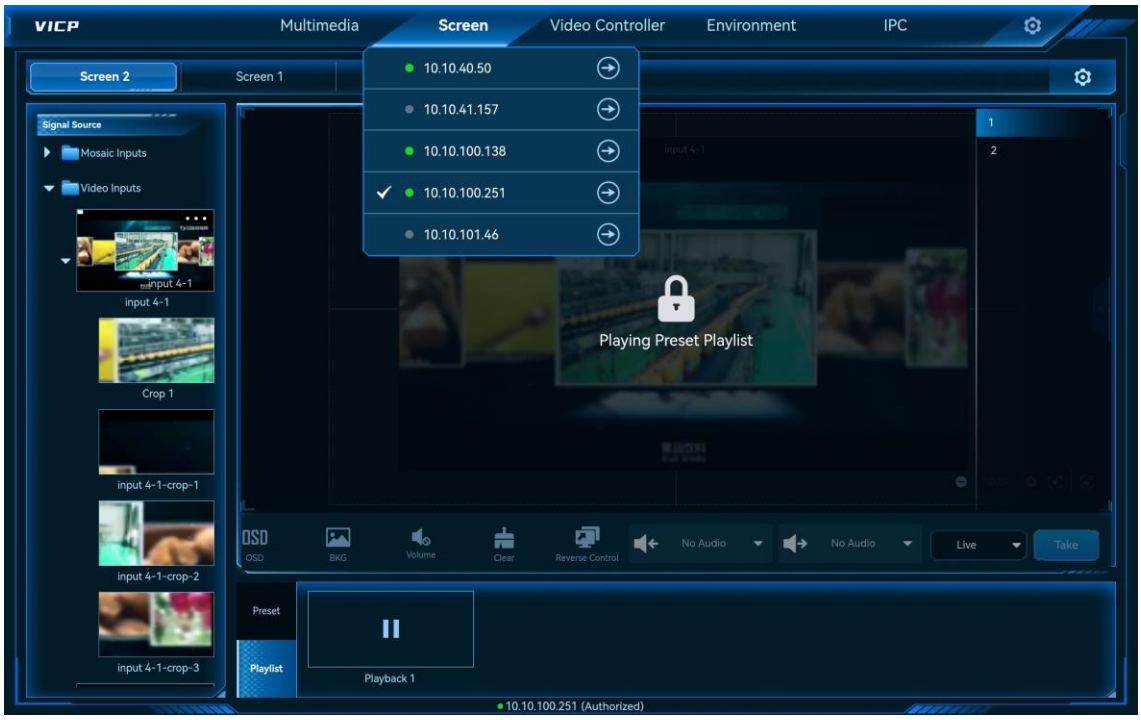
You have completed the configurations for the splicers in Video Wall Splicer on the login page.

Operating Procedure

Step 1 On the main user interface, tap **Screen** to enter the screen control interface.

Step 2 Tap **Screen** again to show the video wall splicer list.

Figure 5-33 Video wall splicer list



The splicer status descriptions are as follows:

- : The splicer is being operated.
- : The splicer is online and ready for use.
- : The splicer is offline and cannot be used.

Step 3 Tap the icon next to the desired splicer to complete the switching.

5.5 Video Controller

On the main user interface, tap **Video Controller** to enter the video controller interface.

5.5.1 User Interface Introduction

Figure 5-34 Main interface

Table 5-3 User interface descriptions

Area	Name	Description
1	Major function tabs	Major function modules are displayed here. Tap one of them to enter the corresponding control interface. • Multimedia: Operate and control the multimedia playback. • Screen: Operate and control the screens loaded by the video wall splicers (H series). • Video Controller: Operate and control the video controller. • Environment: Control the devices controlled by the central control unit. • IPC: Control the IP cameras on the current network. • Audio Control: Control the audio controllers. • Signage: Control the playback of the multimedia players. • Reverse Control: Remotely control the input source PC.

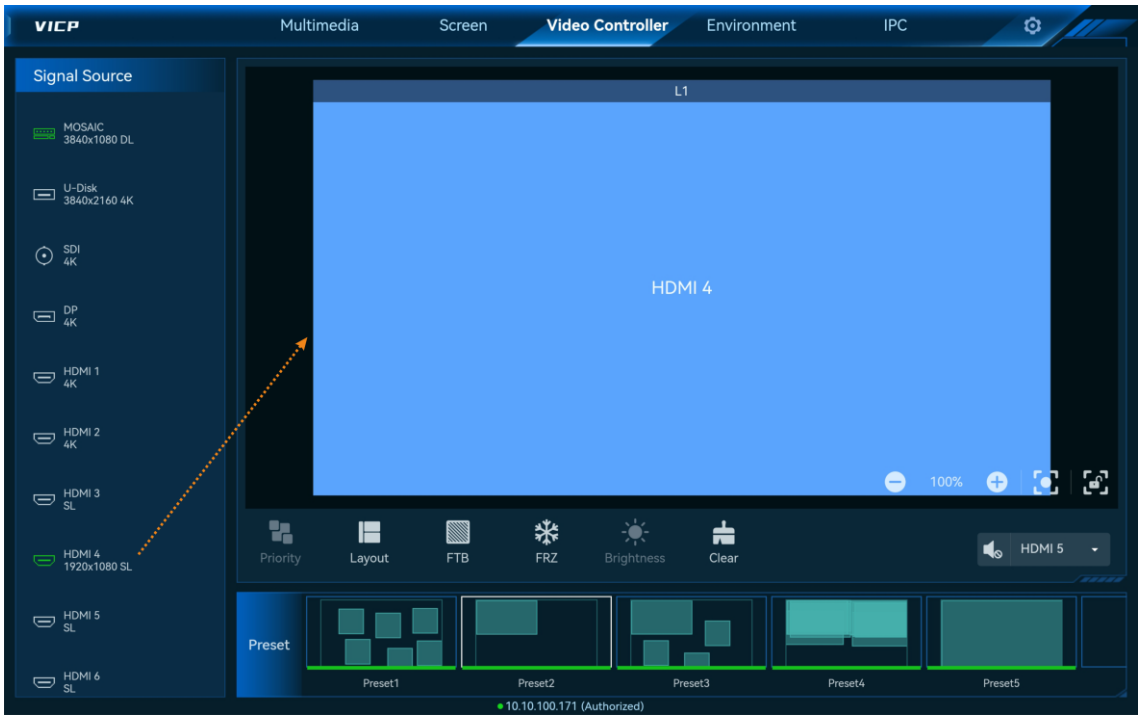
Area	Name	Description
2	Settings	• Customization: Customize your own menu. • Skin: Change the skin. Five skins are supported currently. • Language: Change the UI language. English and Simplified Chinese are supported currently. • Exit: Exit the system and return to the login interface.
3	Signal source	List all the connected signals. • Green: An input source is accessed. • Gray: No input source is accessed.
4	Screen	Display and switch the screens loaded by the video controllers.
5	Control	• Quickly adjust the layer layout. • Control the screen locking and output display, and also quickly clear the layers. • Control the FTB, freeze and brightness adjustment.
7	Preset	Preset: Display all the saved presets for the current screen.

5.5.2 Layer Operations

5.5.2.1 Add Layers

Tap and drag an input source in the **Signal Source** area on the left and drag it to the screen to add a layer.

Figure 5-35 Add layers



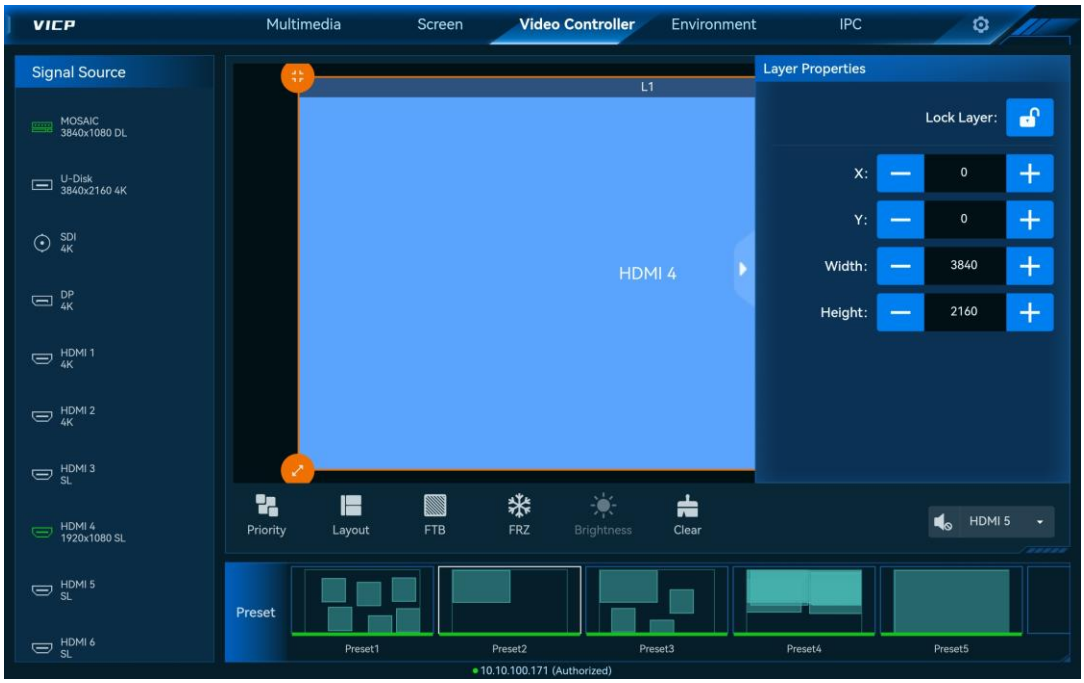
When you tap the layer, four function icons appear at four corners of the layer, allowing for quick adjustment.

- : Tap this icon to make the selected layer fill the screen.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top left corner of the layer remains unchanged.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top right corner of the layer remains unchanged.
- : Tap the icon to delete the layer.
- Tap and hold the layer, and then drag it to quickly adjust its position.
- Pin to zoom to quickly adjust the layer size.

5.5.2.2 Adjust Layer Properties

After a layer is selected, tap on the right edge to expand the layer properties pane.

Figure 5-36 Layer properties



- X: Set the initial horizontal position of the layer, that is, the horizontal offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Y: Set the initial vertical position of the layer, that is, the vertical offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Width: Set the layer size in the horizontal direction. The unit is the pixel.
- Height: Set the layer size in the vertical direction. The unit is the pixel.

Parameter Adjustment

- : Mute or unmute the sound of the media.
- : Lock or unlock the selected layer.
- Tap or to increase or decrease the parameter value by one pixel at a time.
- Enter the parameter value directly between and .

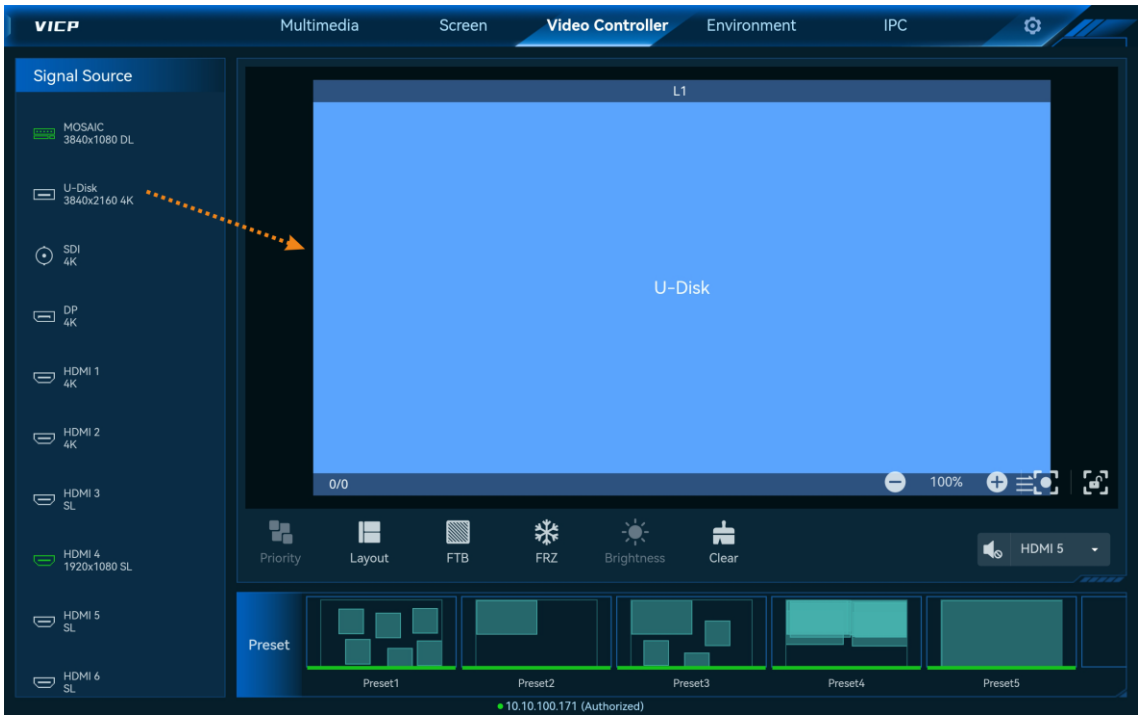
5.5.2.3 Delete Layers

- After you have loaded a preset or added a layer, tap the layer and four function icons appear at the corners of the layer. Tap at the top right corner to delete the layer.
- Tap in the control area to clear all the layers on the current screen.

5.5.2.4 Switch Layer Input Sources

Slide the signal source list up and down, and then select the target source and drag it to the layer to switch the layer input source. The layer size remains unchanged.

Figure 5-37 Switch layer input sources



5.5.2.5 USB Playback

You can control the playback of an USB source provided by a video controller in VICP.

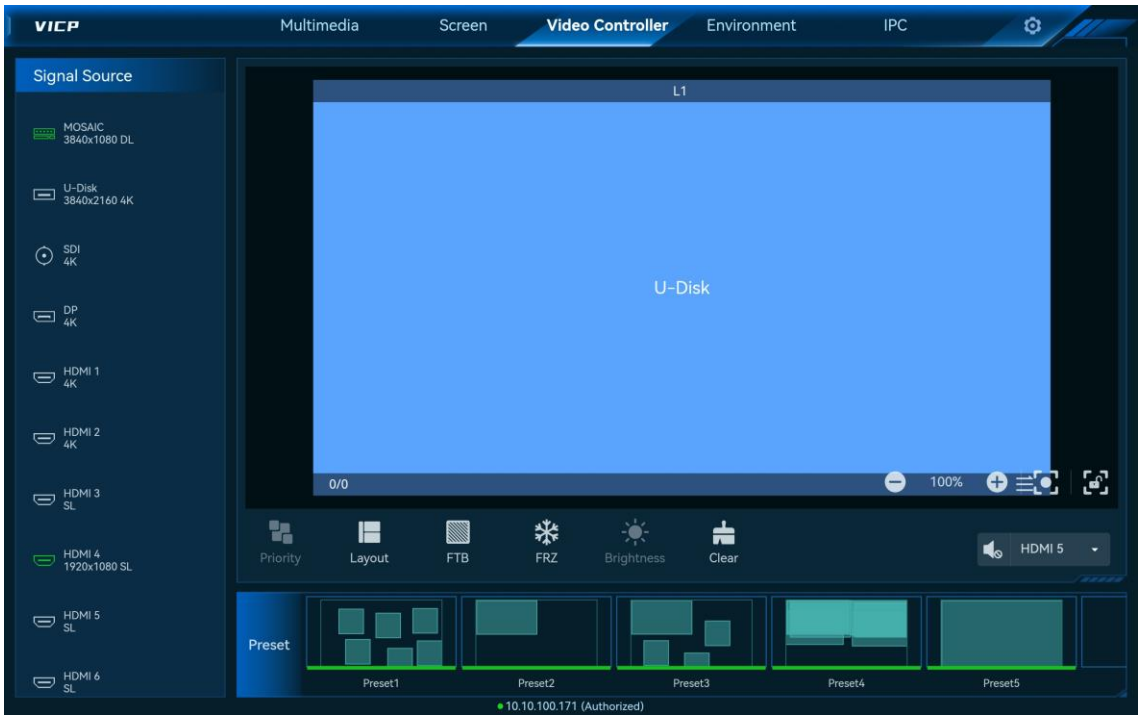
Prerequisites

- The controlled video controller supports USB playback and you have added it by following the steps in Configure Video Controllers.
- You have saved media files to a USB drive and inserted it into the video controller.

Operating Procedure

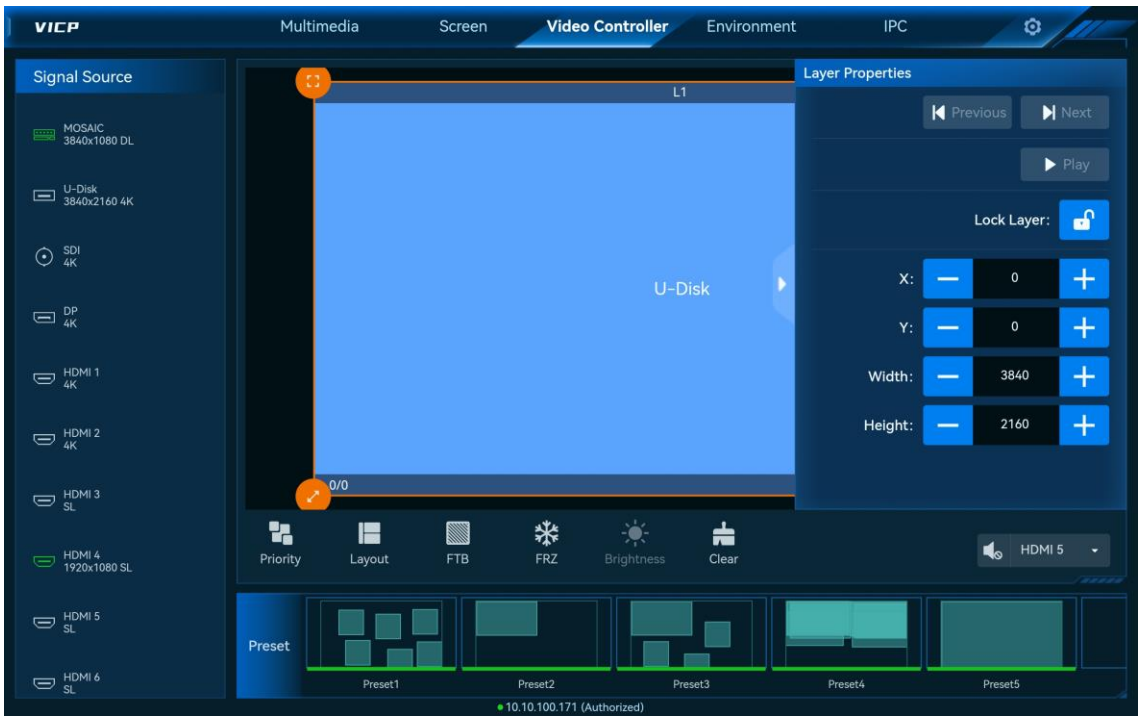
Step 1 Tap and drag a USB source in the **Signal Source** area on the left to the screen to add a layer.

Figure 5-38 Add USB sources



Step 2 Tap on the right edge to expand the layer properties pane.

Figure 5-39 USB source properties



- Previous: Switch to the previous media file.

- Next: Switch to the next media file.
- Play: Play the selected media file.
- The numbers of total files and selected files are shown at the bottom left corner of the layer.
- Change the playback mode in the control area. The supported options are as follows.
  - : Loop playback of the files in the playlist.
  - : Loop playback of the current file.
  - : Play the files in the playlist in order until the playback of the last file is completed.
- Tap and select the output audio from the drop-down list.

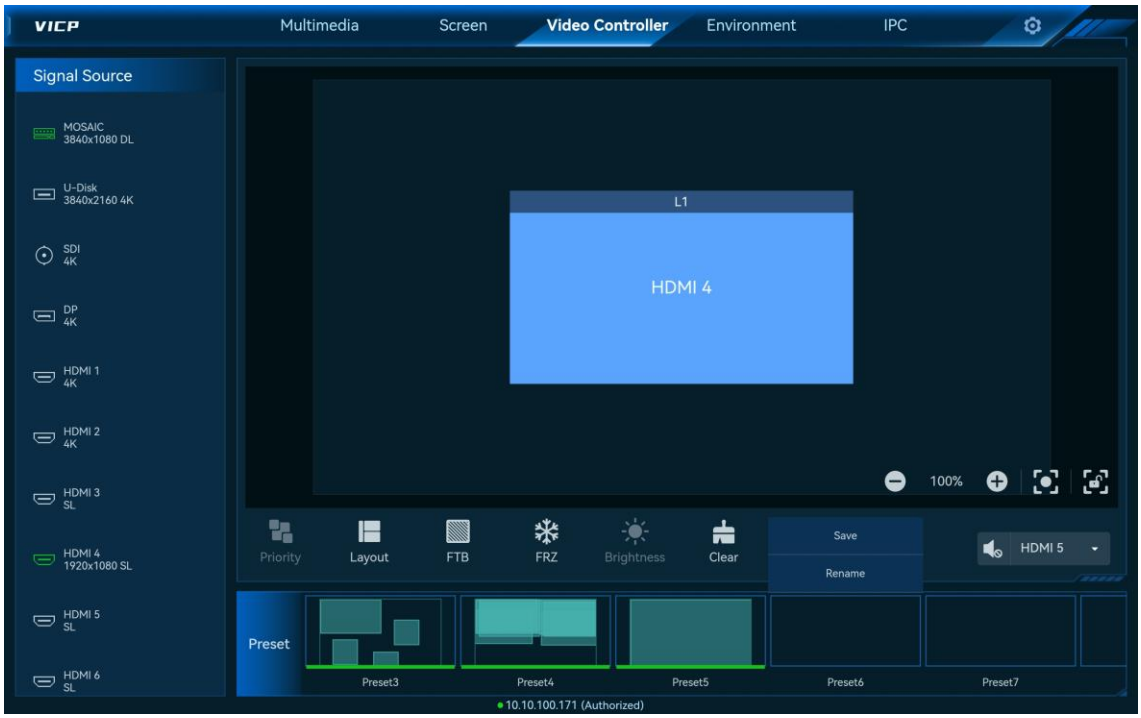
5.5.3 Preset Operations

Save Presets

After the layer settings, you can save the current layer layout and settings as a preset for future use.

Tap and hold the desired empty preset and select **Save** in the popup menu to save the current layer layout as a preset.

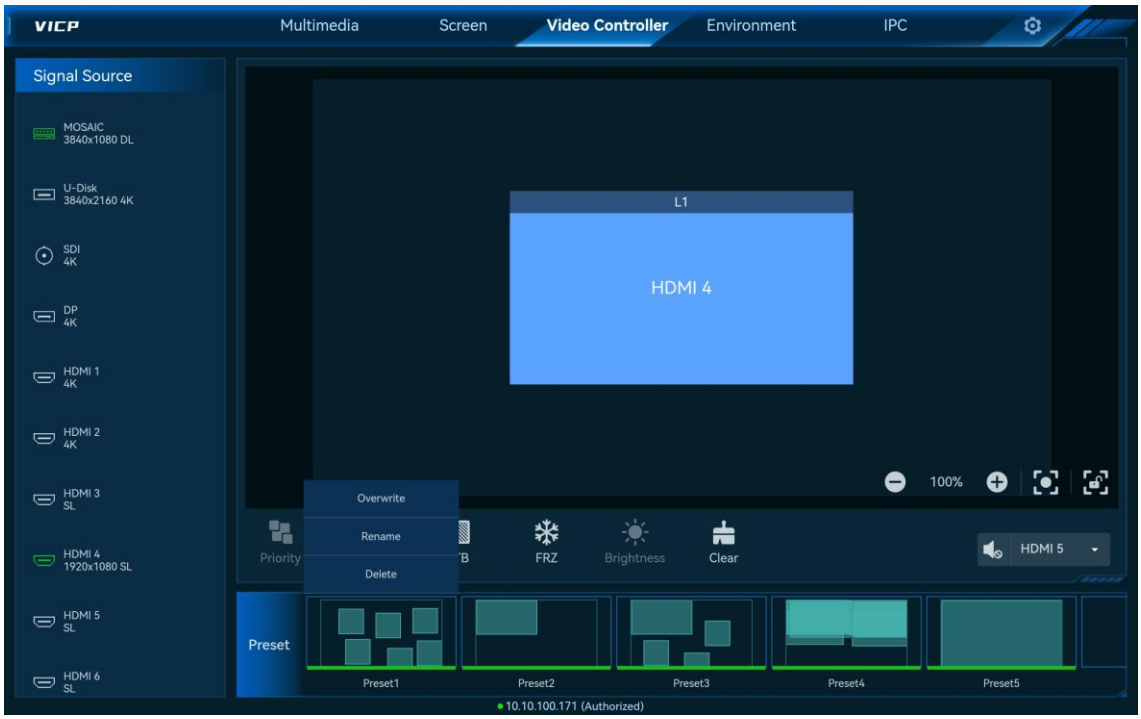
Figure 5-40 Save presets



Overwrite Presets

Tap and hold the desired preset and select **Overwrite** in the popup menu to replace the selected preset with a new one.

Figure 5-41 Overwrite presets



Rename Presets

Tap and hold the desired preset and select **Rename** in the popup menu. Enter a new name for the selected preset.

Delete Presets

Tap and hold the desire preset and select **Delete** in the popup menu to clear the layer information saved in the preset.

Load Presets

In the **Preset** area, tap the desired preset to load it.

- An empty preset cannot be loaded.
- After the preset is loaded successfully, the new operations such as layer input source switching and layer size adjustment will not be saved in the current preset.

5.5.4 Screen Control

- Priority: Adjust the layer display priority.
  - Top: Bring the layer to the front.
  - Up: Move the layer one level up.
  - Down: Move the layer one level down.
  - Bottom: Send the layer to the back.
-  : Quickly add and arrange the layers with the selected layout.
-  : Make the screen fade to black.
-  : Turn off the fade to black setting.
-  : Freeze the output image.
-  : Unfreeze the output image.
-  : Adjust the output image brightness.
- OSD: Expand the OSD settings pane to add OSD.
- BKG: Enable/Disable the BKG function.
- Volume: Adjust the layer output volume.
-  : Clear all the layers on the current screen.
-  : Automatically fit the current screen area to display the current screen and all the layers.
-  : Lock the screen editing area. After successful locking, the editing area cannot be moved.

Note:

Some screen control functions may not be supported depending on the loaded device.

5.5.5 Switch Video Controllers

After configuring the video controllers on the login page, you can switch the video controllers without the need to exit the current control and reconfigure the video controller.

Prerequisites

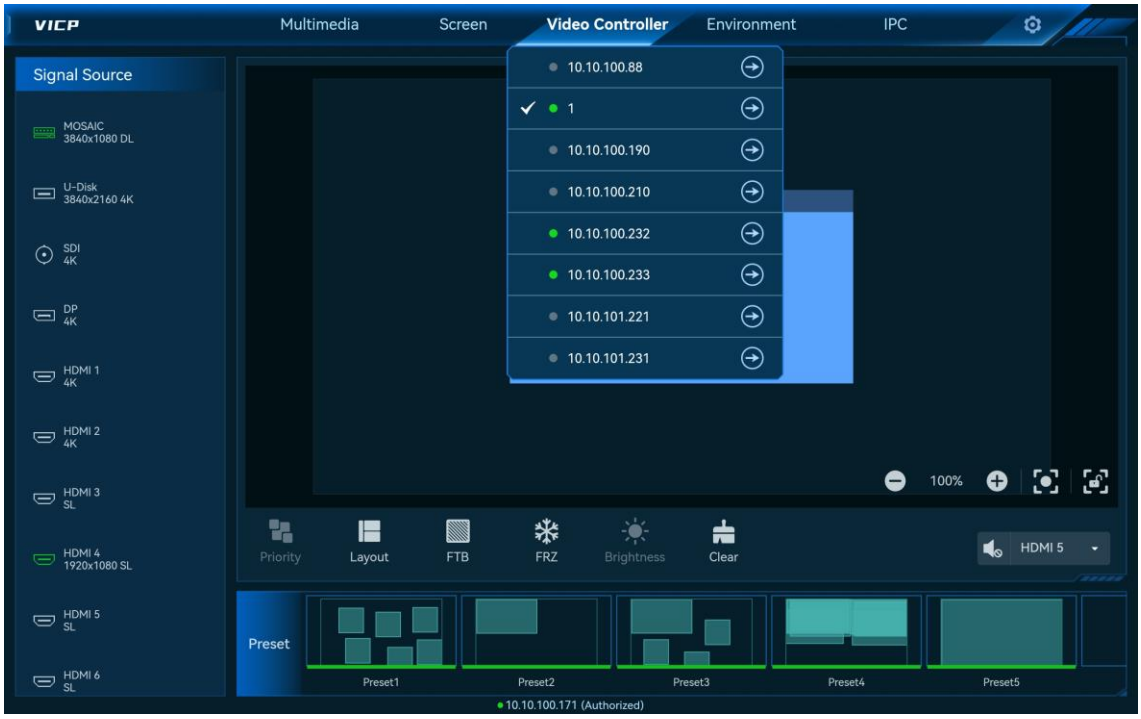
You have completed the configurations for the video controllers in **Video Controller** on the login page.

Operating Procedure

Step 1 On the main user interface, tap **Video Controller** to enter the video controller interface.

Step 2 Tap **Video Controller** again to show the video controller list.

Figure 5-42 Video controller list



The video controller status descriptions are as follows:

- : The video controller is being operated.
- : The video controller is online and ready for use.
- : The video controller is offline and cannot be used.

Step 3 Tap the icon next to the desired video controller to complete the switching.

5.6 Environment

On the main user interface, tap **Environment** to enter the environment control interface.

The environment interface allows you to control the lights, curtains, PTZ, TVs, audio volume and more via the intelligent central control unit.

Note:

Before using the environment control function, please contact the technical support staff to produce the configuration files according to the on-site conditions in advance and import the configuration files to the system.

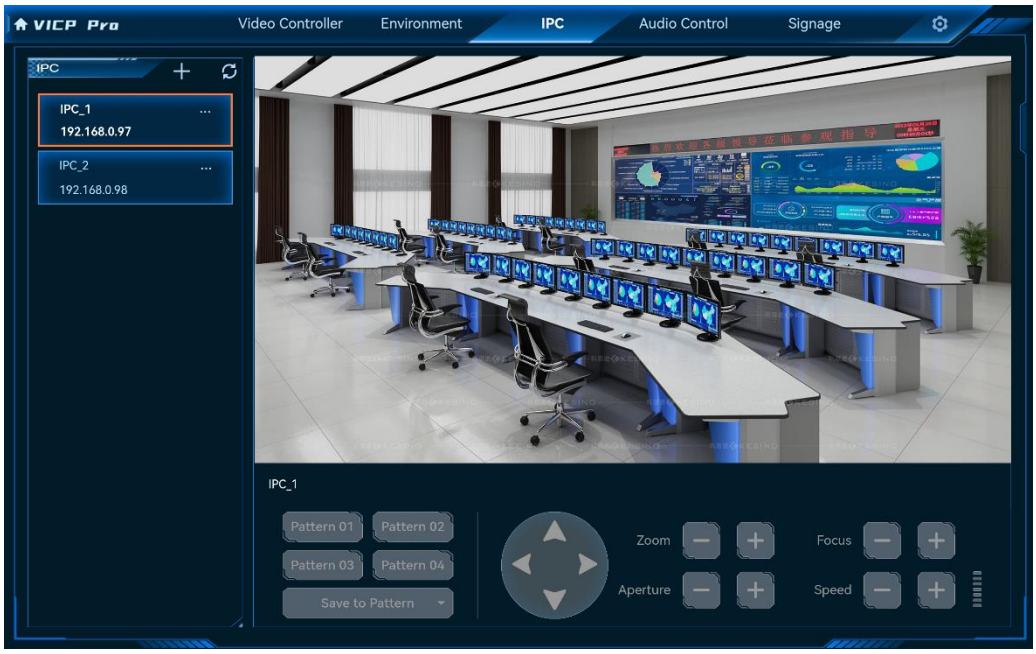
Figure 5-43 Environment control

5.7 IPC

The IPC function module allows you to control the IP cameras view the camera images within a monitoring system, including adjusting the lens zoom (ZOOM), focus (FOCUS), aperture (IRIS) and performing the camera pan/tilt operations.

On the main user interface, tap **IPC** to enter the IP camera control interface.

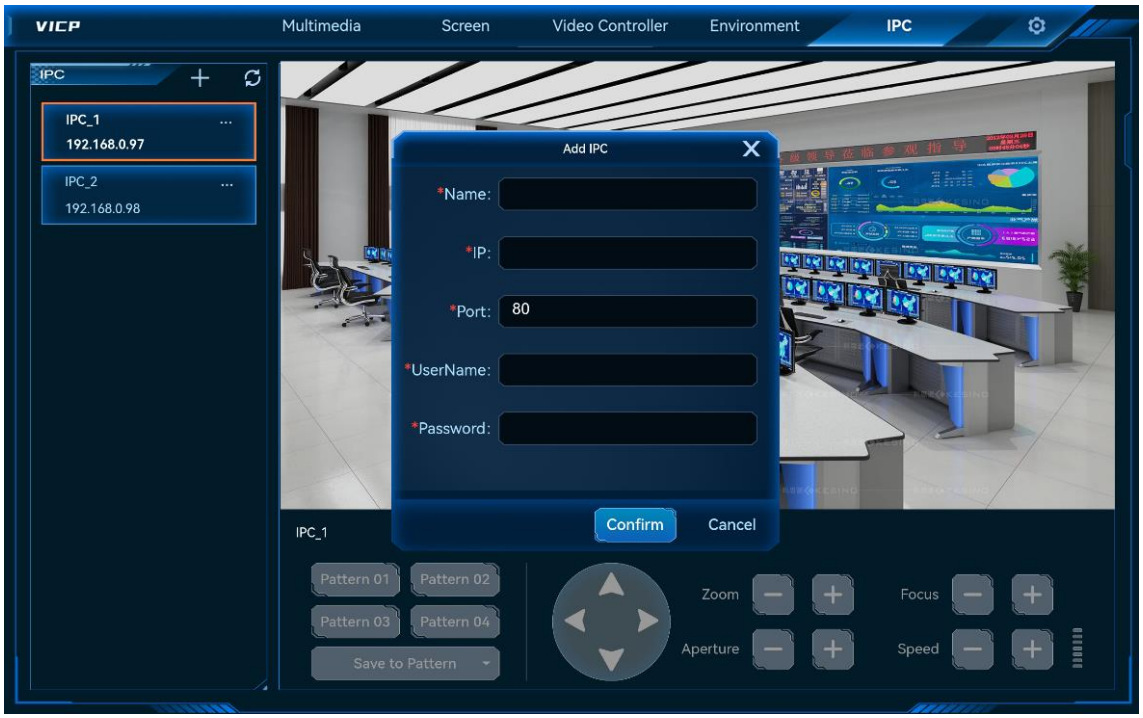
Figure 5-44 IPC management



5.7.1 **Add IPC**

Step 1 Tap + on the left to open the IPC adding window.

Figure 5-45 Add IPC



- Name: The IPC name must contain at most 20 English letters, numbers and special characters.

  It is recommended to use a name that is easy to identify, so that the camera can be quickly distinguished by the name in the future.

- IP: Enter the IP address of the camera.
- Port: Enter the port number of the camera. The default port is 80.
- User Name: Enter the user name for the login.
- Password: Enter the password matched with the entered user name.

Step 2 After all the blanks are filled, tap **Confirm** and the system will automatically connect and add the camera.

After the camera is added successfully, it appears in the IPC list on the left.

5.7.2 Control IPC

Step 1 Select the desired camera in the camera list.

The system interface displays the images captured by the current camera in real time.

Step 2 The camera control buttons are provided below the camera image. Tap the desired button to control the camera.

-  : Adjust the camera shooting angle by tapping four buttons.
- Zoom: Adjust the focal length of the camera to obtain a clearer image.
  -  : Zoom in the camera lens and the scene.
  -  : Zoom out the camera lens and the scene.
- Focus: Set the camera focus to obtain a precise focus position to calibrate the focal length to ensure a clearer image.
  -  : The nearby objects become clear and the distant ones gradually become blurred.
  -  : The distant objects become clear and the nearby ones gradually become blurred.
- Aperture: Adjust the amount of light transmitted in the lens. If the aperture is too large, it will cause overexposure; if it is too small, it will cause underexposure.
  -  : Decrease the aperture.
  -  : Increase the aperture.
- Speed: Adjust the automatic rotation speed of the pan or tilt.
  -  : Decrease the speed.

– : Increase the speed.

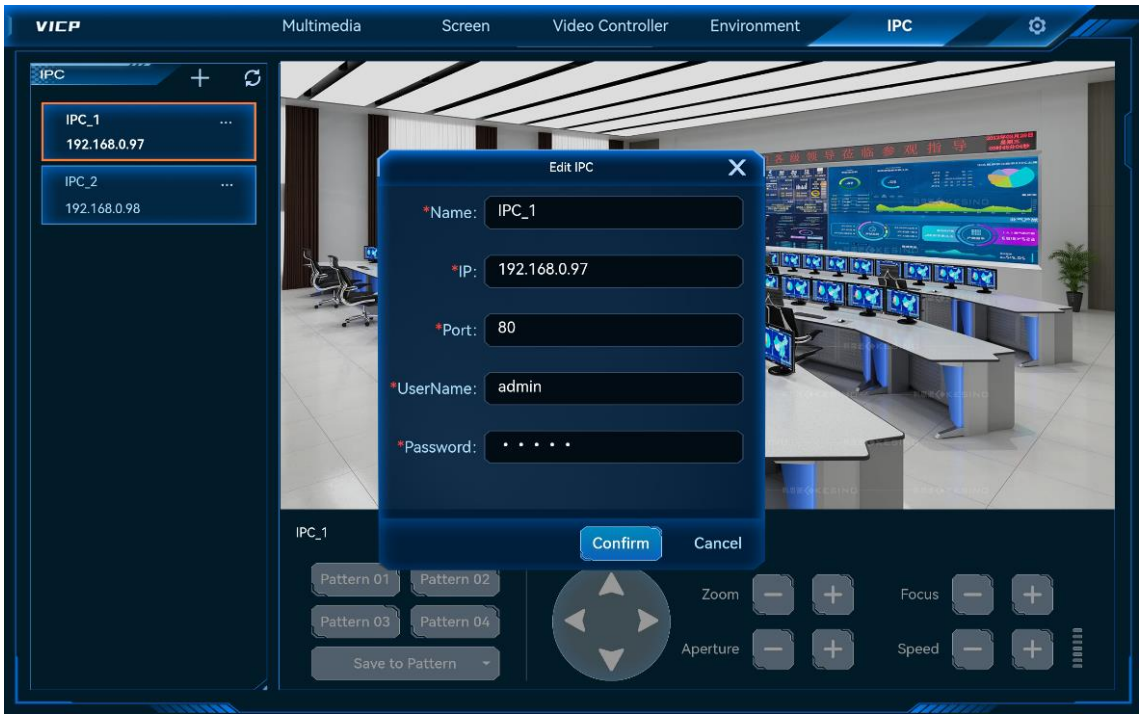
Step 3 (Optional) Tap **Save to Pattern** and select the desired pattern to save your settings as a pattern for easy use in the future.

5.7.3 Edit IPC

When the IPC parameters change, such as the camera IP, port, user name or password, the camera parameters need to be updated in time to ensure the correct control.

Tap **...** next to the desired camera name and then select **Edit** to open the camera editing window.

Figure 5-46 Edit IPC



Change the parameters as needed and tap **Confirm** to complete the editing.

5.8 Audio Control

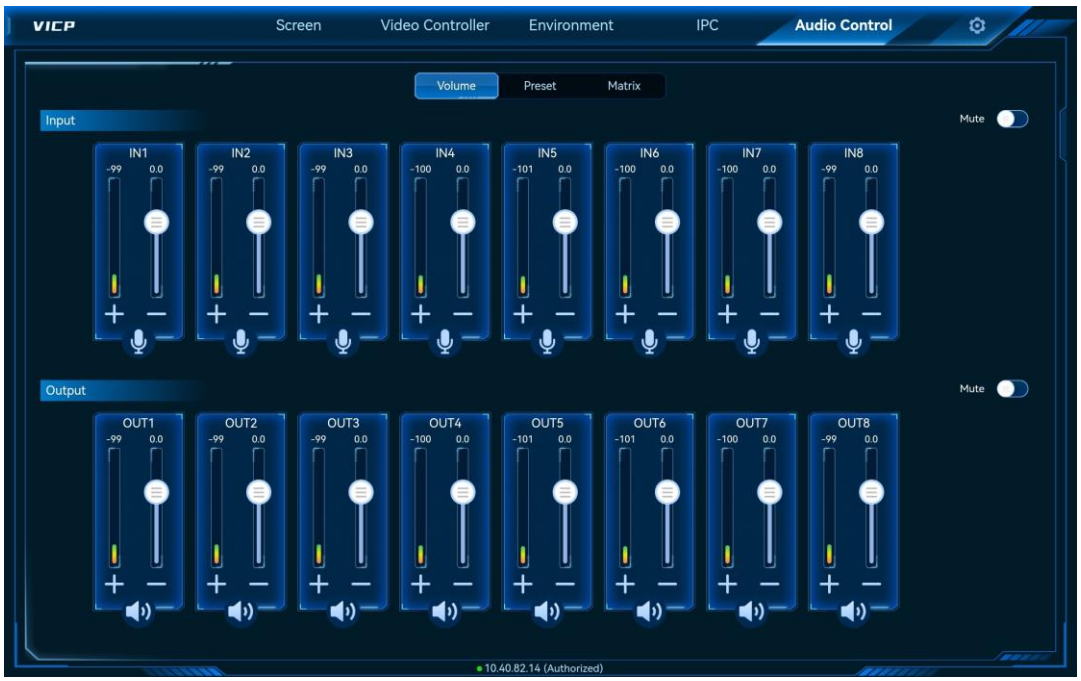
Adjust the system audio info, including the input and output volume as well as the audio matrix correspondence settings.

If you cannot see the **Audio Control** tab, just slide the menu bar to the left to show this menu tab.

5.8.1 Adjust Audio Volume

Step 1 Tap **Audio Control** to enter the audio control interface.

Figure 5-47 Audio volume control



Step 2 Move the slider block up or down to increase or decrease the audio volume.

- Toggle the switch next to **Mute** in the **Input** or **Output** area to make the inputs or outputs no sound.
- Tap  or  to show the next or previous page.

5.8.2 Load Presets

Load a preset to quickly adjust the output audio.

Prerequisites

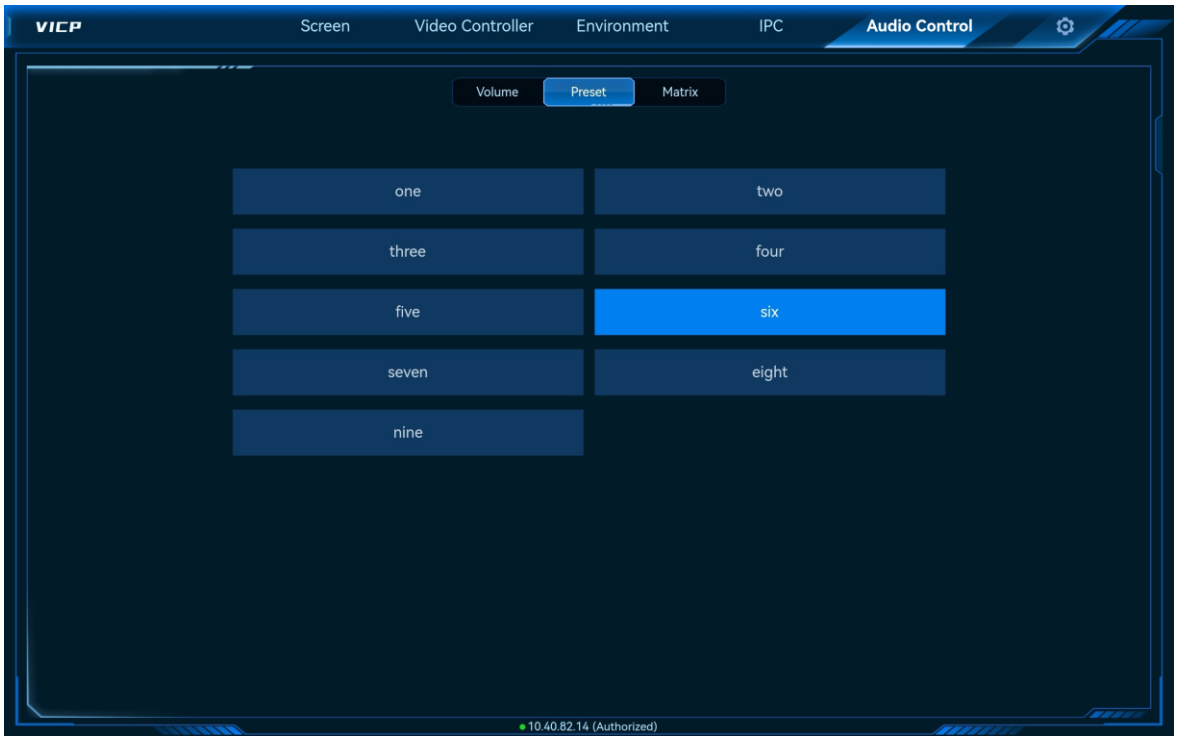
You have saved the preset to the audio processor.

Operating Procedure

Step 1 Tap **Audio Control** to enter the audio control interface.

Step 2 Tap the **Preset** tab to enter the audio preset interface.

Figure 5-48 Audio presets



Step 3 In the preset list, tap the desired preset to load it.

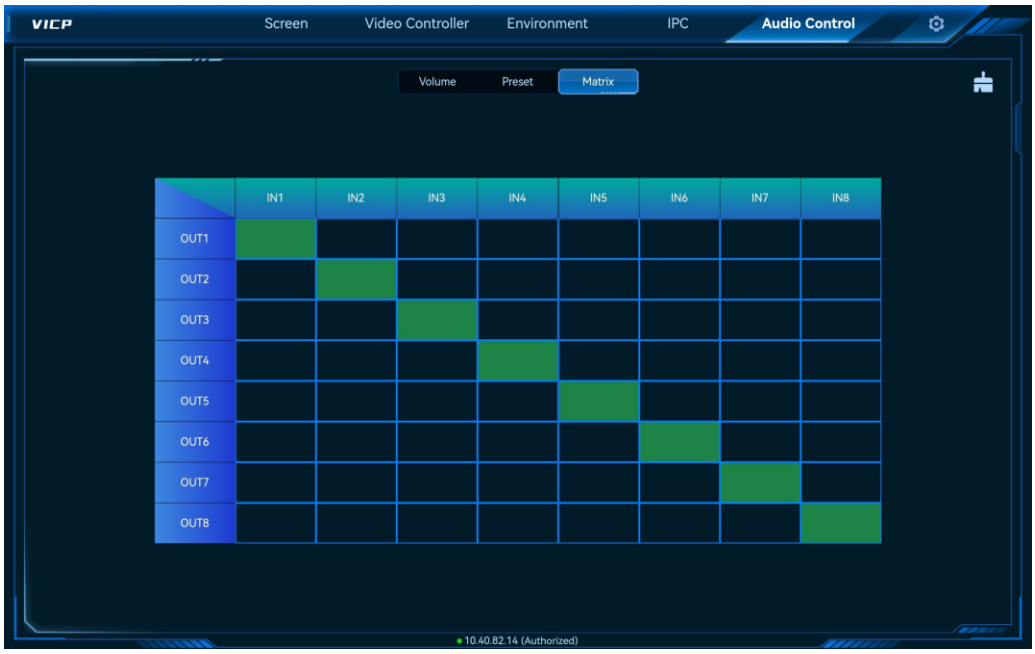
5.8.3 Configure Audio Matrix

Configure the correspondence relations between the input and output audio connectors.

Step 1 Tap **Audio Control** to enter the audio control interface.

Step 2 Tap **Matrix** to enter the audio matrix settings interface.

Figure 5-49 Audio matrix



Step 3 Double tap the matrix cells to relate or unrelate the inputs with the outputs.

Tap at the top right to delete all the relations.

5.9 Signage

VICP allows you to perform the playback control over the following multimedia players on the current network segment.

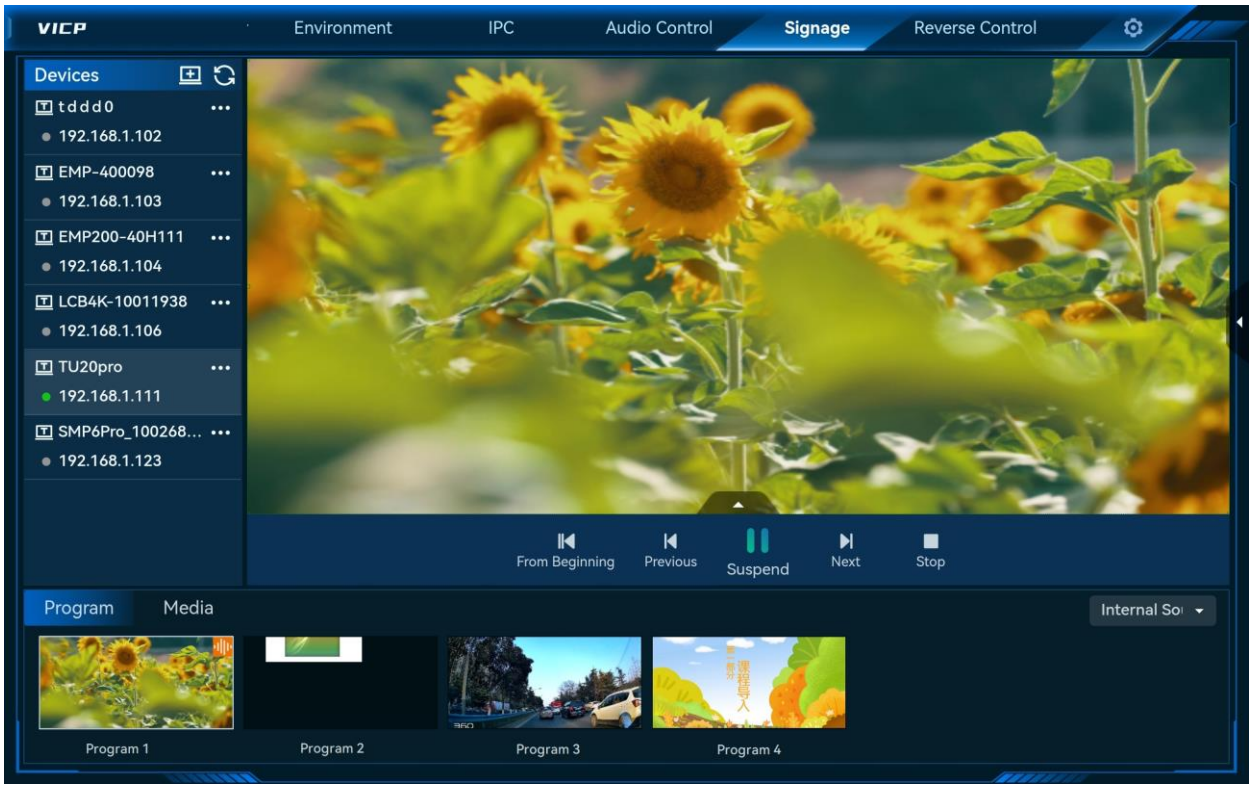
- Multimedia player: TB30, TB40, TB50, TB60, LCB 4K, NS2K-40H, EMP200-40H
- LED playback control processor: TU15 Pro, TU20 Pro, SMP4 Pro, SMP6 Pro, TU40 Pro
- Kompass FX0

Prerequisites

- The multimedia player or Kompass FX0 and VICP are on the same network segment.
- You have published the programs and made the program schedules via the multimedia player.
- You have obtained the user name and password for logging into the multimedia player and LED playback control processor. The default user name is "admin" and the default password is " SN2008@+".
- You have added Kompass FX0 in VIMP.

Slide the menu bar to show the **Signage** menu tab. Tap it to enter the signage interface and the system will automatically search for the multimedia players on the current network segment and display them in the device list on the left.

Figure 5-50 Signage



In the device list on the left, the icon next to the device name indicates the device type.

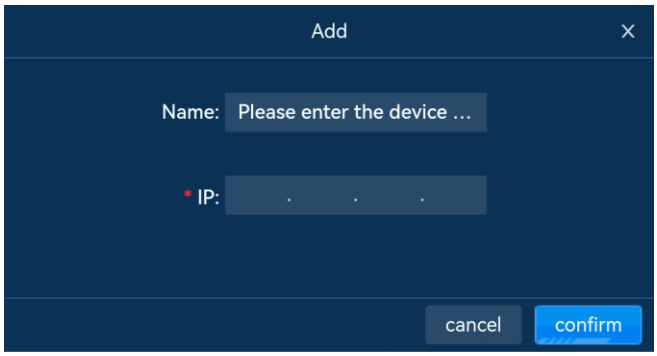
- T: Multimedia player
- M: Kompass FX0

5.9.1 Add Devices

The device can be added automatically or manually.

- Add automatically: Tap to refresh the device list and the devices on the current network segment will be automatically searched and added.
- Add manually: Tap next to **Devices** to open the device adding window.

Figure 5-51 Add devices



1. Enter a name for the new device.
2. Manually enter the device IP address.

   If you add a multimedia player or LED playback control processor, the device will be automatically added to the device list. The system will automatically log into the device if the default user name and password are used; if not, you need to tap the device and enter the user name and password for login.

5.9.2 Control Single Device

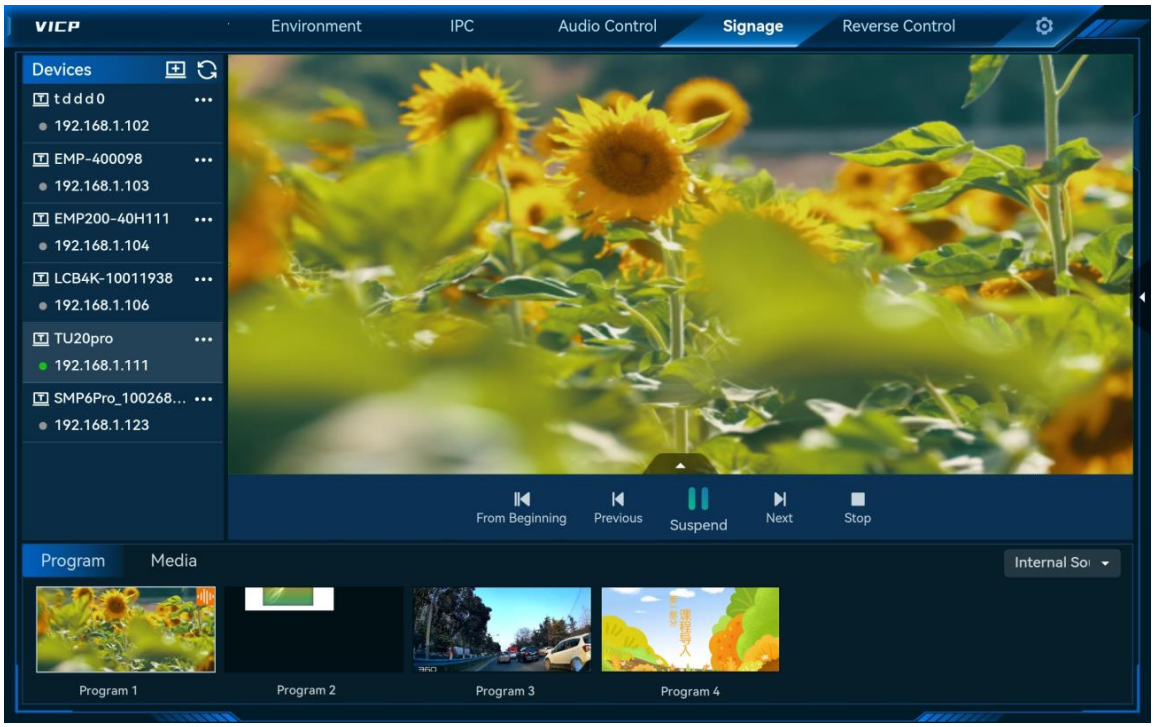
Step 1 Tap the desired multimedia player in the left device list.

Note:

The system will automatically log into the multimedia player or LED playback control processor if the default user name and password are used; if not, you need to tap the desired device and enter the new user name and password for login.

Step 2 After a successful login, all the programs of the current multimedia player are displayed in the **Program** area. Tap the desired program to play it.

Figure 5-52 Multimedia players



Control Playback

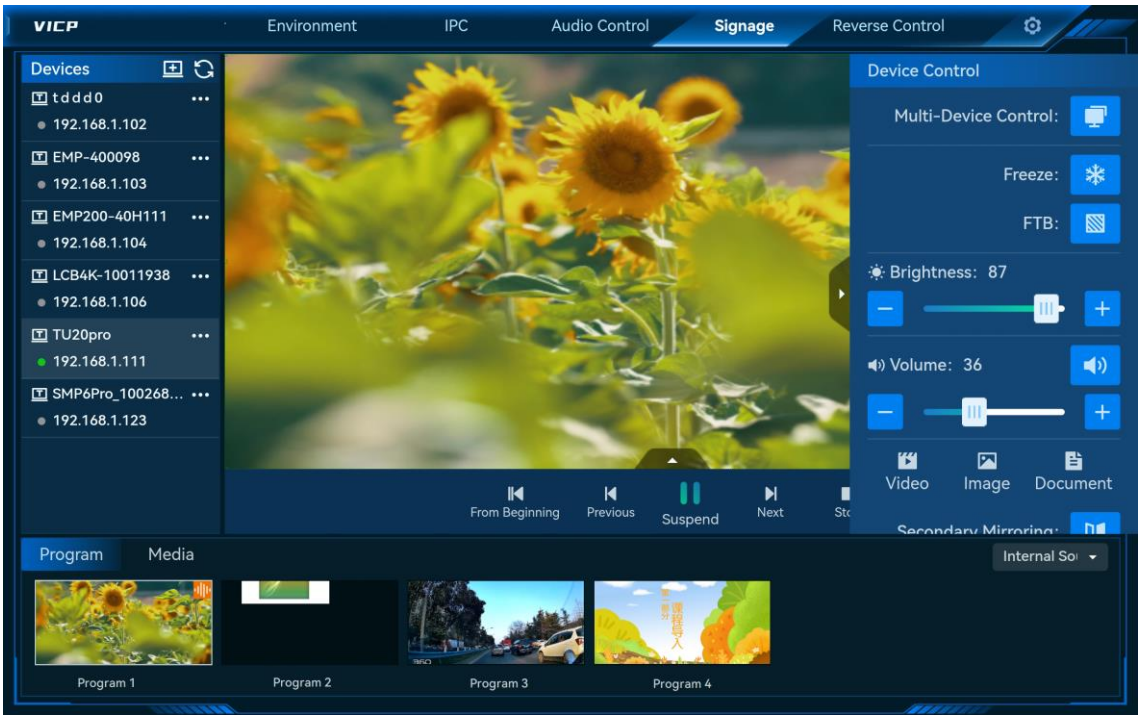
Use the icons at the bottom of the playback area to control the program playback.

- Play: Play the program.
- Pause: Pause the program playback.
- Stop: Stop the program playback.
- From Beginning: Play the first program in the media library.
- Previous: Play the previous program.
- Next: Play the next program.

Other Control Operations

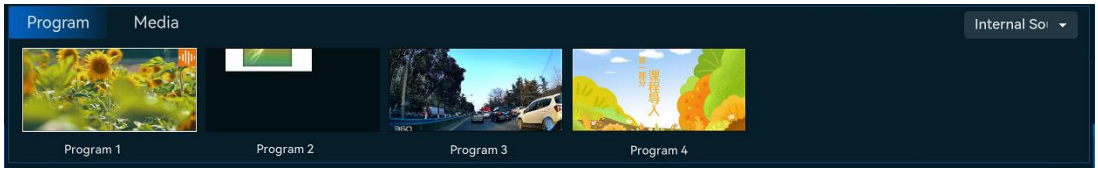
Tap  on the right edge to expand the device control pane.

Figure 5-53 Device control



- If the controlled device is a multimedia player. The following operations are supported.
  - Freeze: Freeze the current played frame of the output image.
  - FTB: Make the output image fade to black.
  - Brightness: Adjust the overall brightness of the output image.
  - Mirroring: Tap **Video**, **Image** or **Document** to send the corresponding media file to the screen.
  - Secondary Mirroring: Tap the icon to enter the operation interface of the LED playback control processor and operate the device.
- Volume: Adjust the media volume.
  - In the **Volume** area, drag the slider block or tap + / − to adjust the output volume.
  - Tap / to mute or unmute the media.
- If the controlled device is an LED playback control processor or Kompass FX0, you can search for the desired media according to the media type.

Figure 5-54 Search for media according to media type



- If the controlled device is an LED playback control processor, tap the **Media** tab to display the media list. Tap **All Media** and select the desired media from the drop-down list, and the media of the selected type will be displayed. Tap **Internal Source** to view the imported media or external media.
- If the controlled device is Kompass FX0, the following operations are supported.

  View media by category.: Tap **All Media** and select the desired media type from the drop-down list. The added media of the selected type will be displayed.

  Adjust the media sequence: Tap **Sequence** on the left, tap and hold the desired media, and then move it to the target position to quickly adjust the sequence.

Device Menu

In the device list, tap ••• next to the desired device to show the device control menu.

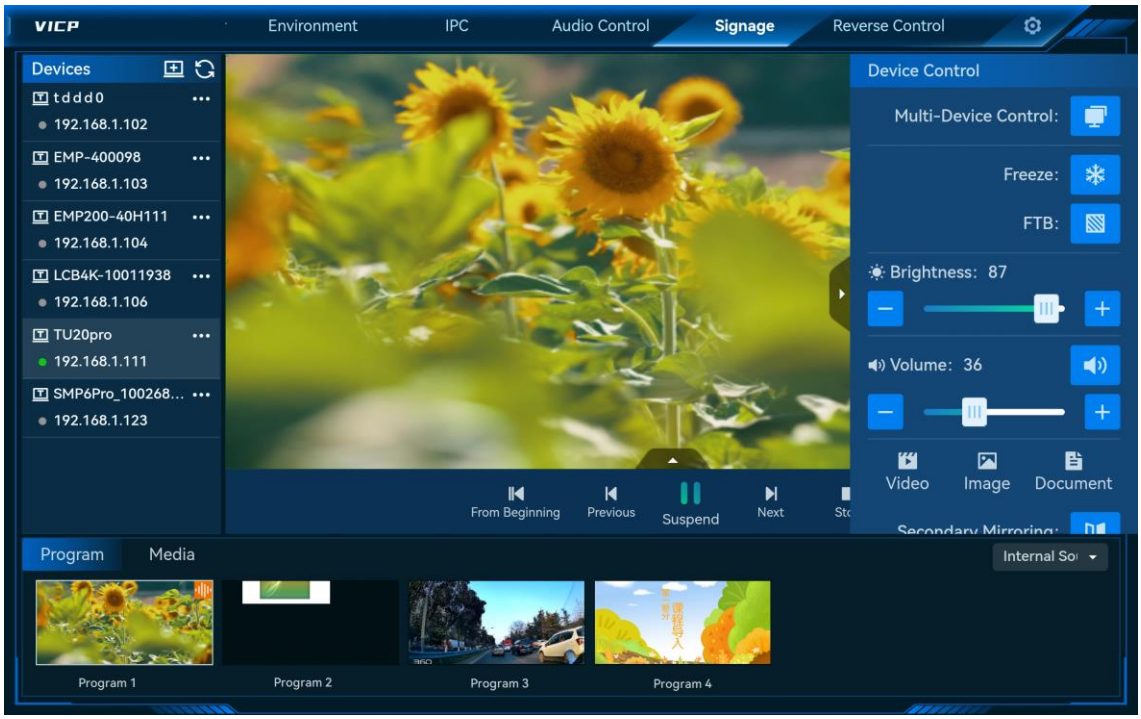
- If the controlled device is an LED playback control processor or multimedia player, you can rename and log out of the device.
- If Kompass FX0 is controlled, the following operations are supported.
  - Disconnect: Disconnect Kompass FX0 and cancel control of it.
  - Hide/Show Player: Hide or show the playback interface of Kompass FX0.
  - Playback Mode: Set the playback mode of Kompass FX0. The supported options include **Repeat All**, **Repeat in Order** and **Repeat One**.

5.9.3 Control Multiple Devices

This function supports the control of Kompass FX0 only.

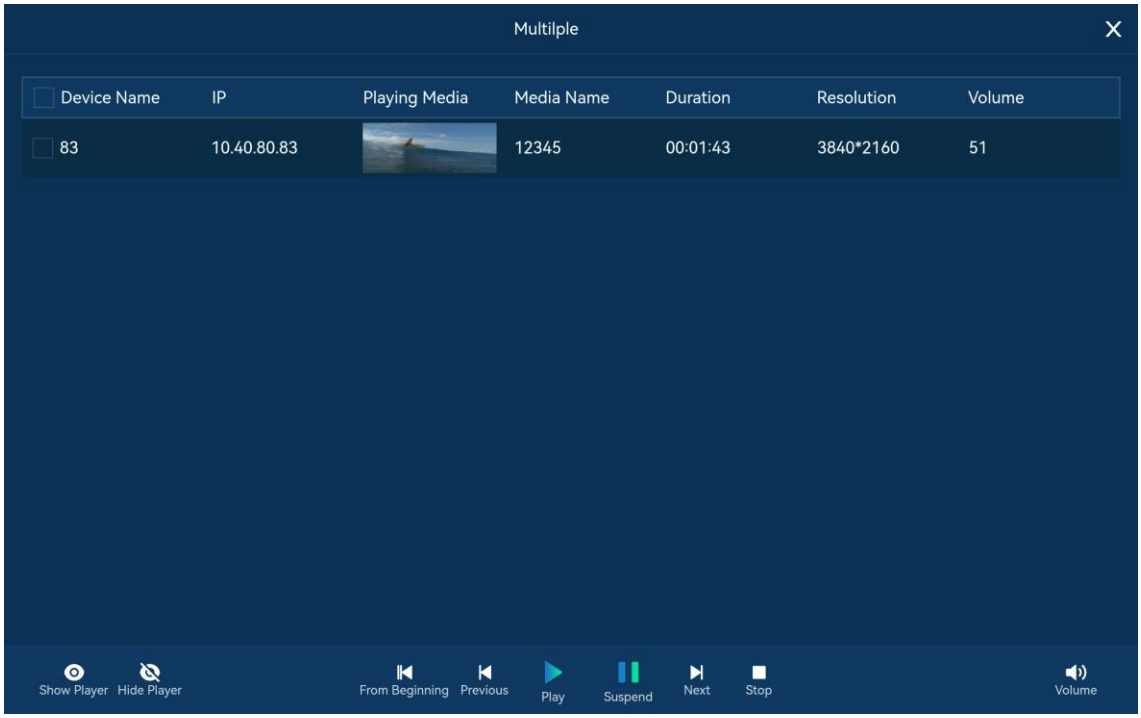
Step 1 On the signage interface, tap  on the right edge to expand the device control pane.

Figure 5-55 Control multiple devices



Step 2 Tap  next to **Multi-Device Control** to enter the corresponding interface.

Figure 5-56 Control multiple devices



Step 3 Check the boxes next to the desired devices.

Step 4 Control the playback of the selected devices via the control icons at the bottom.

- Show Player: Show the playback interface of Kompass FX0.
- Hide Player: Hide the playback interface of Kompass FX0.
- Play: Play the media.
- Pause: Pause the media playback.
- Stop: Stop the media playback.
- From Beginning: Play the first media in the media library.
- Previous: Play the previous media.
- Next: Play the next media.
- Volume: Adjust the output volume.

5.10 Reverse Control

Prerequisites

- The input source PC must have the program package installed. The installed program is shown as **KVM**.

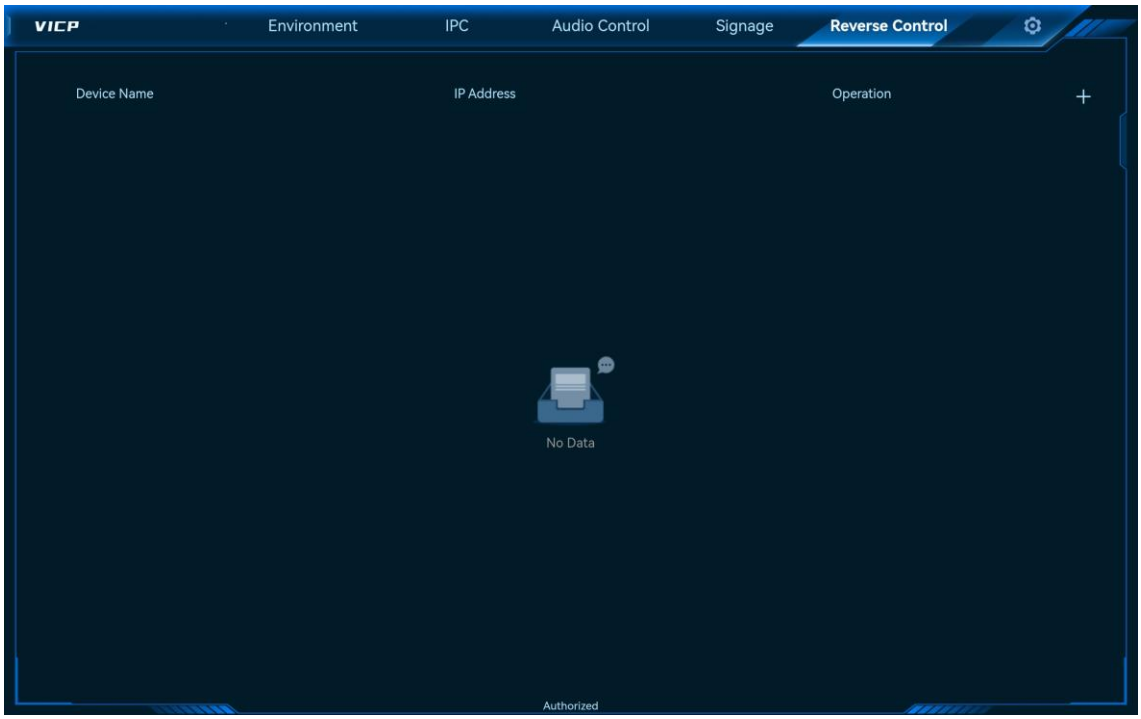
  The program package can be downloaded on the help page of VIMP. Before enabling the reverse control, you need to double click **KVM** on the input source PC to restart the remote control service.
- The input source PC and VIMP are on the same network.

Operating Procedure

Step 1 Slide the menu bar to show this menu tab.

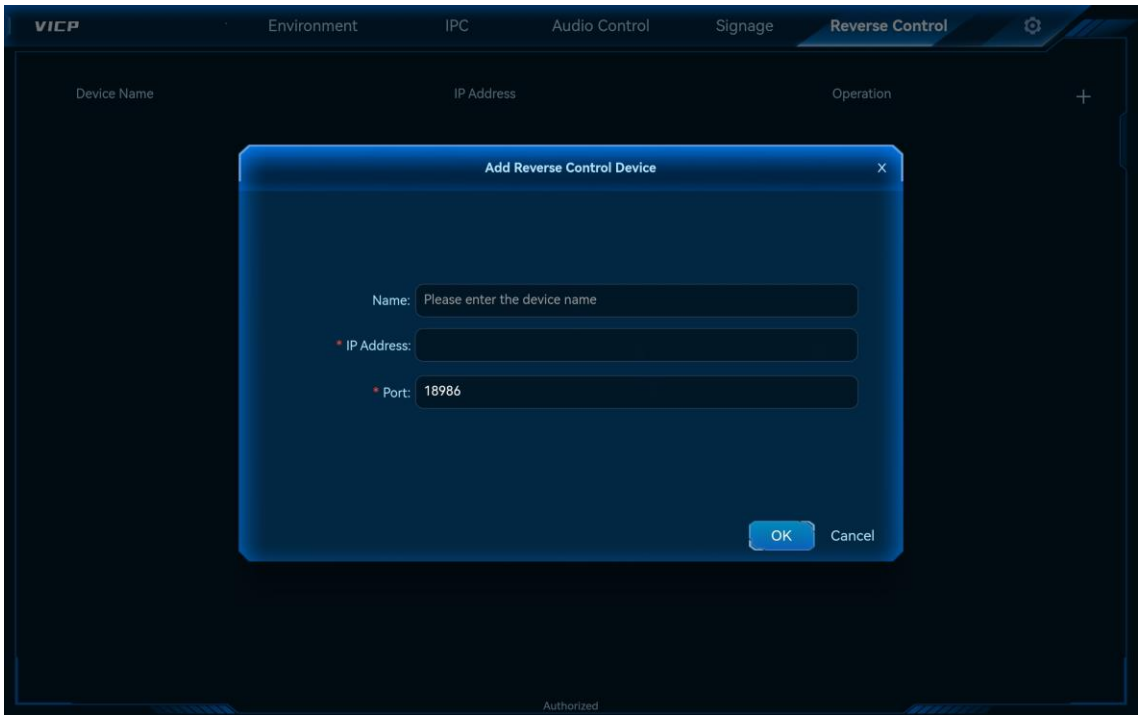
Step 2 Tap it to enter the reverse control interface.

Figure 5-57 Reverse control



Step 3 Tap **+** at the top right corner to open the **Add Reverse Control Device** window.

Figure 5-58 Add reverse control devices

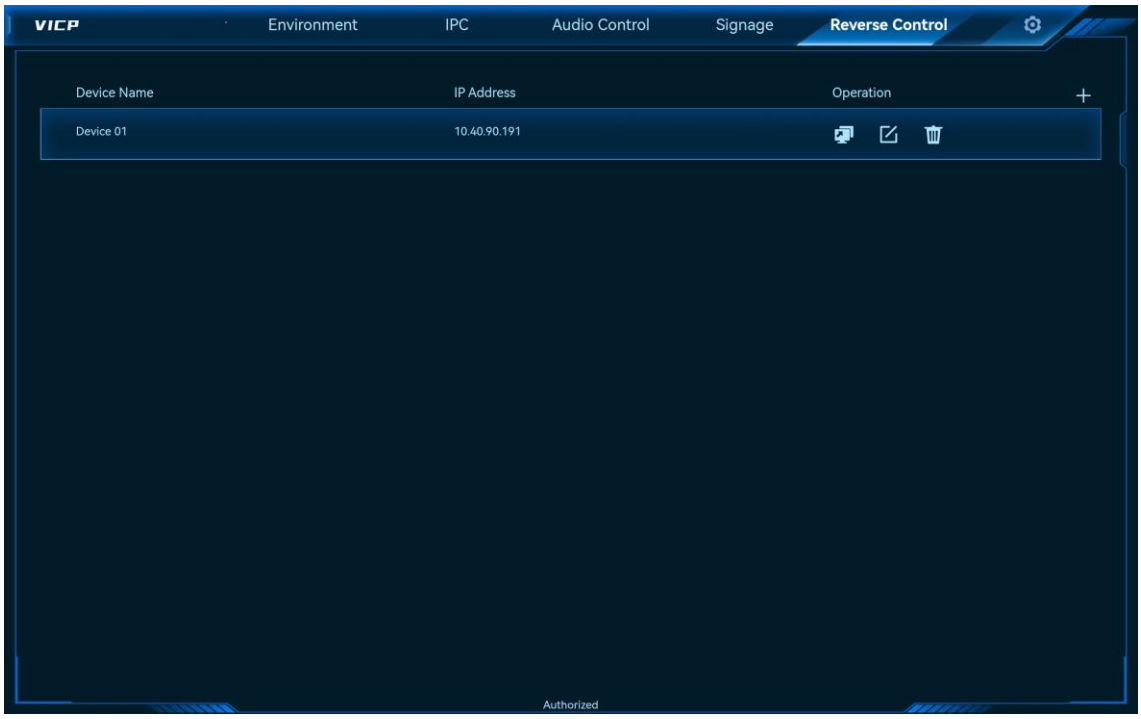


Step 4 Enter the device name, IP address and port number.

The default port number is 18986. If this port number is in use, you can change to another one.

Step 5 Tap **OK** to complete the adding.

Figure 5-59 Reverse control device added successfully



Step 6 Tap to enter the desktop of the input source PC.

- Tap to open the **Edit Reverse Control Device** window.
- Tap to delete the target device.

6 Distributed Integrated Management Platform

Distributed Integrated Management Platform can be controlled alone in VICP.

After you open the software, tap **Distributed Integrated Management Platform** to enter the platform configuration interface.

6.1 Device Configuration

Add all the desired devices on the current network to VICP for device control and switching.

6.1.1 Configure Distributed Devices

Add all the distributed devices on the current network to VICP for device control and switching.

Prerequisites

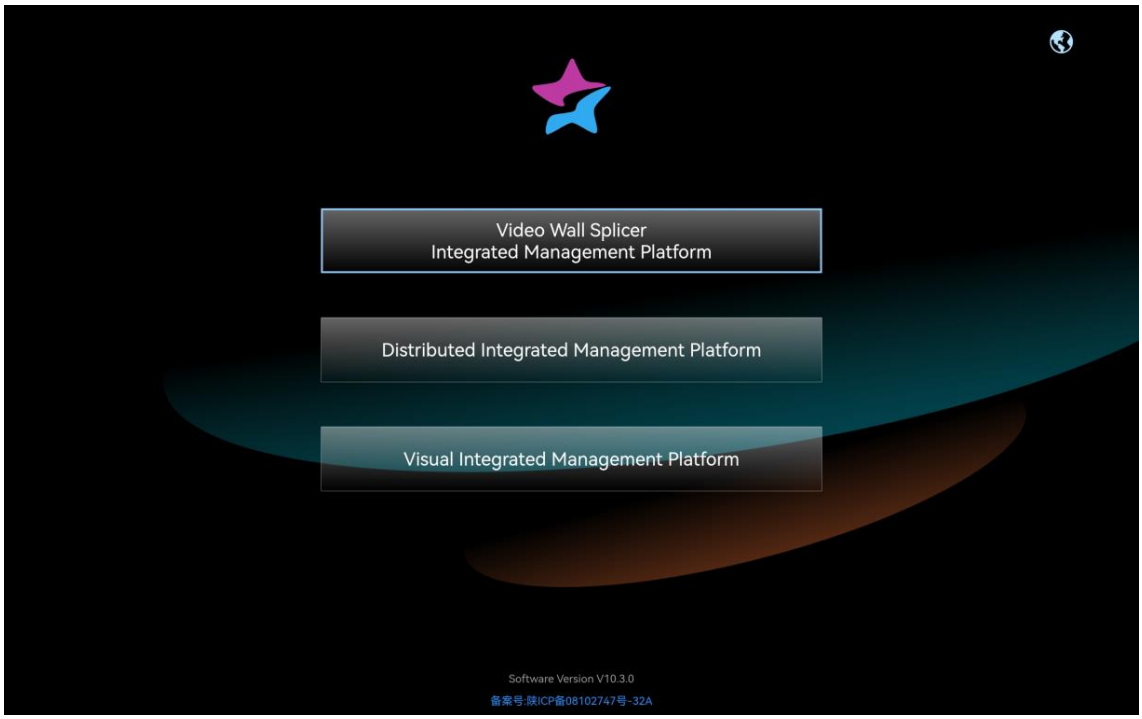
- You must have connected Distributed Integrated Management Platform to the current network.
- You must have obtained the IP address of the primary node of Distributed Integrated Management Platform.
- You must have obtained the user name and password of Distributed Integrated Management Platform.

  The default user name and password are "admin" and "password123" respectively.

Operating Procedure

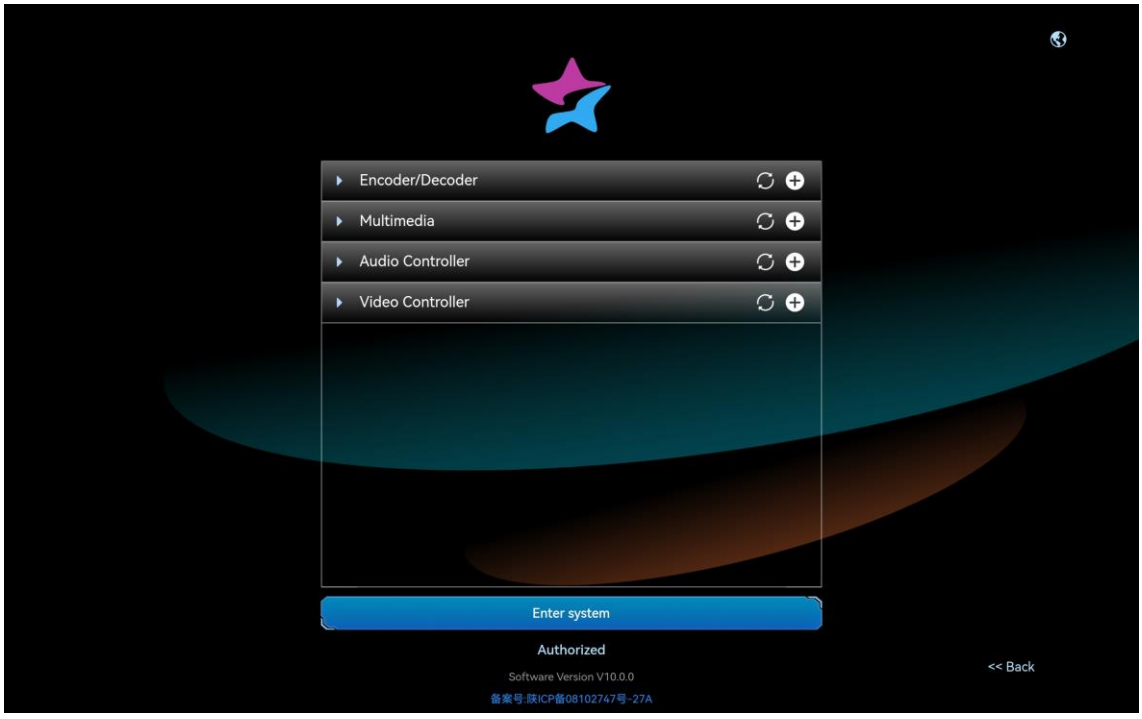
Step 1 Tap **VICP** to run the app.

Figure 6-1 Startup interface



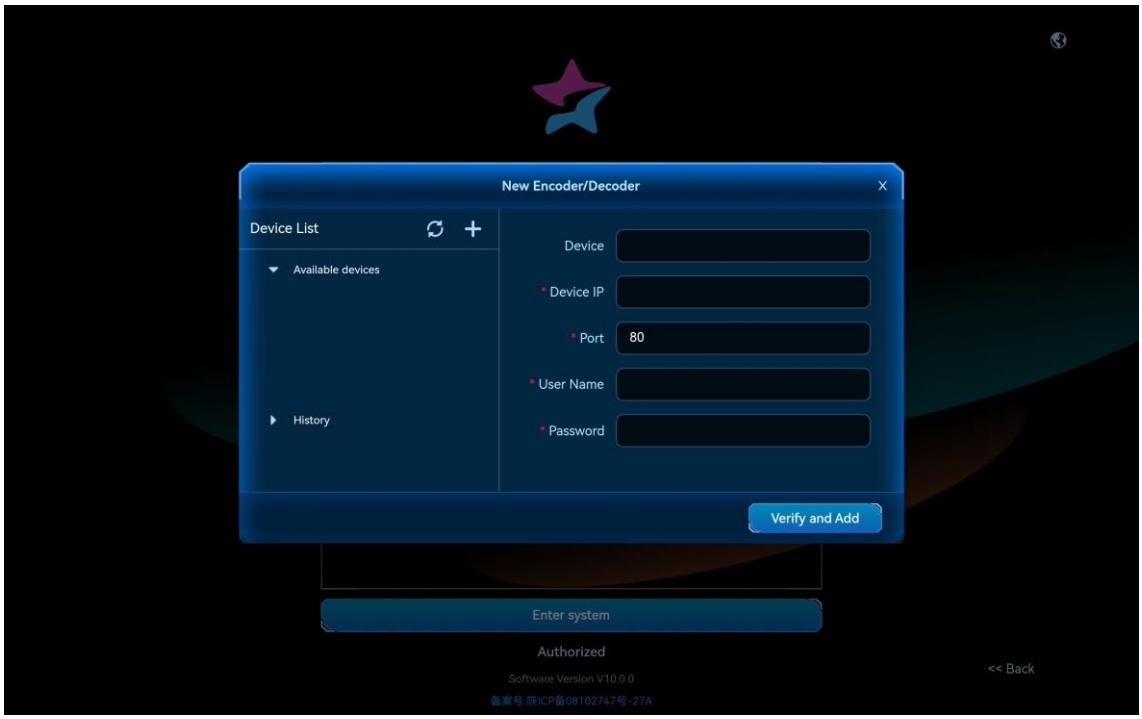
Step 2 Tap **Distributed Integrated Management Platform** to enter the platform configuration interface.

Figure 6-2 Login interface



Step 3 Tap ⊕ next to **Encoder/Decoder** to add a new decoder/encoder.

Figure 6-3 Add encoders/decoders



The system will automatically search for the distributed devices on the current network and show their IP addresses in the **Available devices** list on the left.

Step 4 Select the desired IP address and it will be shown in the **Device IP** text box on the right.

Step 5 Enter a name for the new distributed device next to Device.

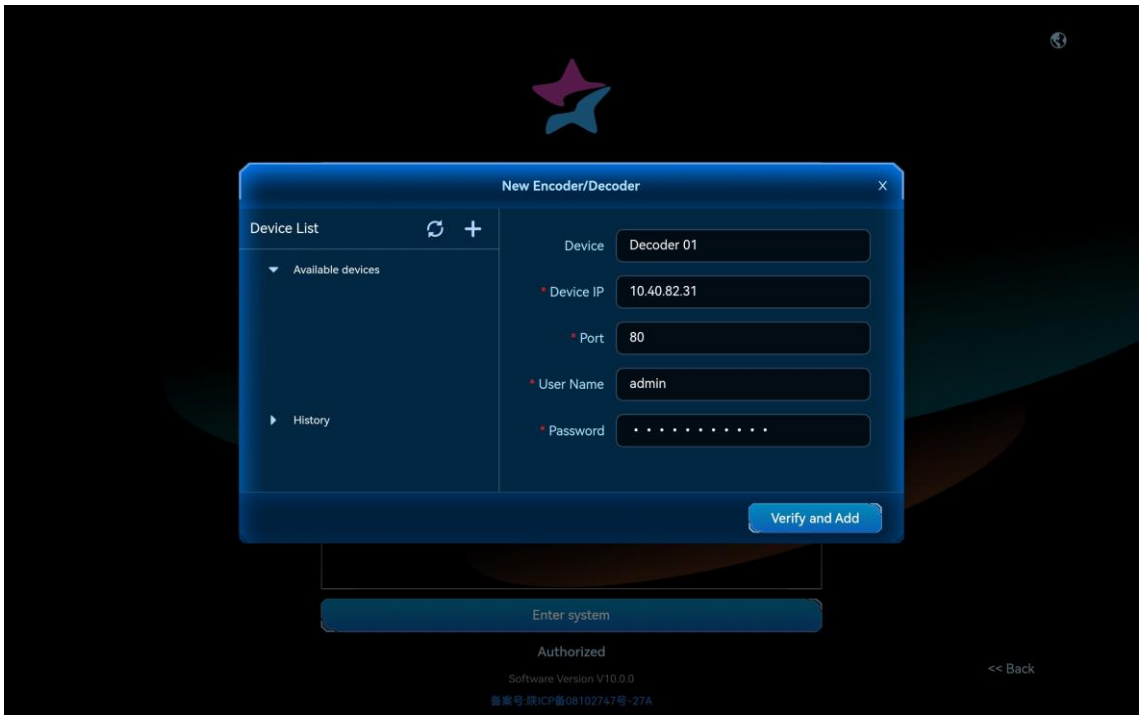
The name supports at most 20 English letters, numbers and special characters. It is recommended to use a name that is easy to identify.

Tap + next to **Device List** and the filled-in information will be cleared. You can manually enter the device IP, user name and password to add a new encoder/decoder.

Step 6 Enter the port number next to **Port**. The default port number is 80.

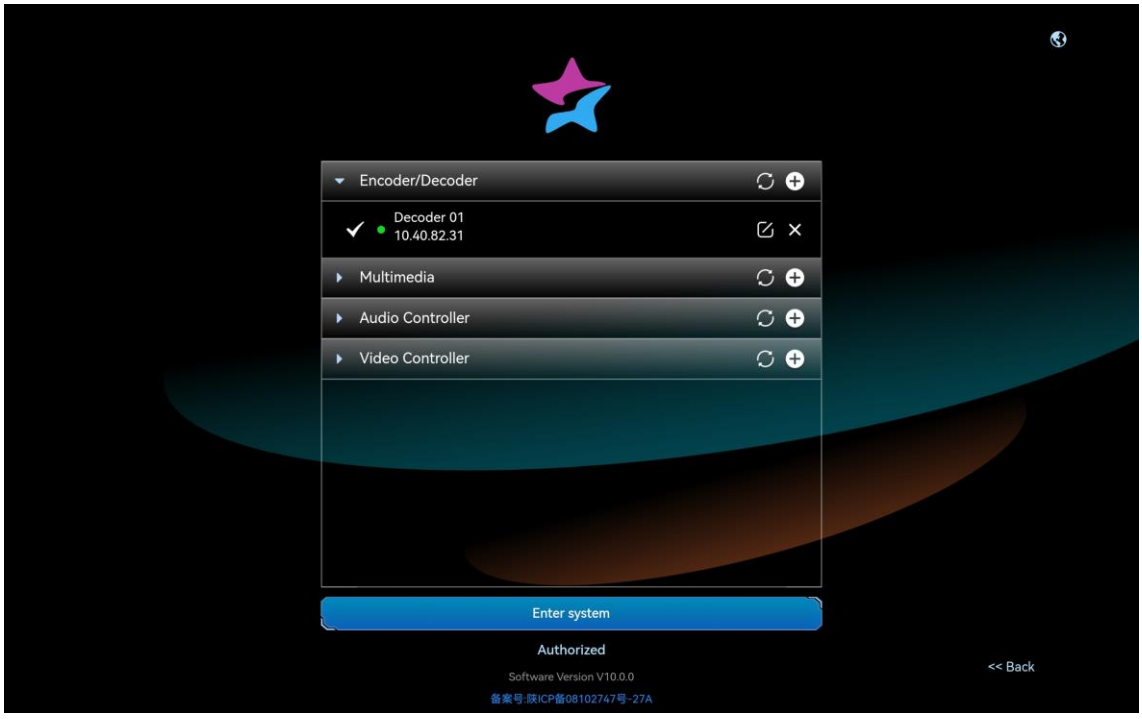
Step 7 Enter the user name and password respectively in the text boxes next to **User Name** and **Password**.

Figure 6-4 Fill in distributed device info



Step 8 Tap **Verify and Add**. After a successful verification, your device is listed in the **Encoder/Decoder** list.

Figure 6-5 Device added successfully



Other Operations

- Tap next to the encoder/decoder name to edit the encoder/decoder info.
- Tap next to the encoder/decoder name to delete the encoder/decoder.
- Status descriptions:
  - : The device is online.
  - : The device is offline.

6.1.2 Configure Media Servers

Add all the desired media servers on the current network to VICP and then perform the device control and switching.

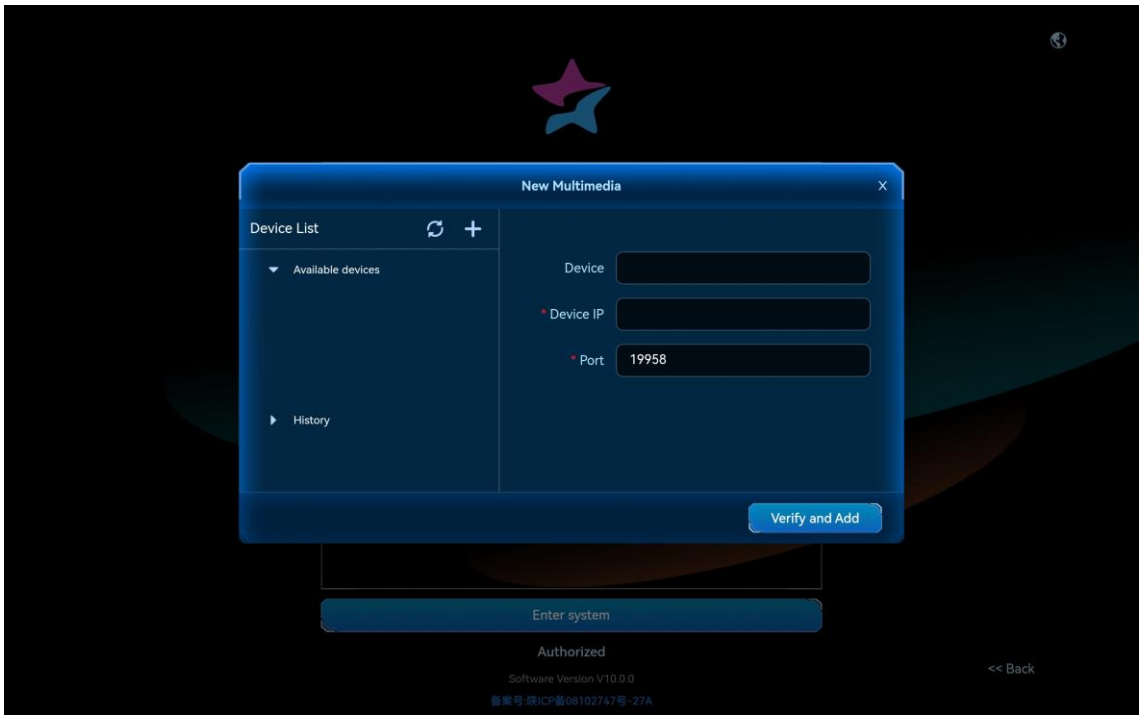
Prerequisites

- You must have connected the media servers to the network.
- You must have obtained the IP addresses of the media servers. For how to obtain the IP address of a media server, please refer to 9.1 How to obtain the IP address of the media server?.
- You must have enabled the external control function of the media server and have obtained the port number for external control in the multimedia playback software that is built in the media server. For how to obtain the port number, please refer to 9.2 How to get the port number of the media server?.

Operating Procedure

Step 1 Tap next to **Multimedia** to add a new multimedia.

Figure 6-6 New multimedia



The system will automatically search for all the media servers on the current network and show their IP addresses in the **Available devices** list on the left.

Step 2 Select the desired IP address and it will be shown in the **Device IP** text box on the right.

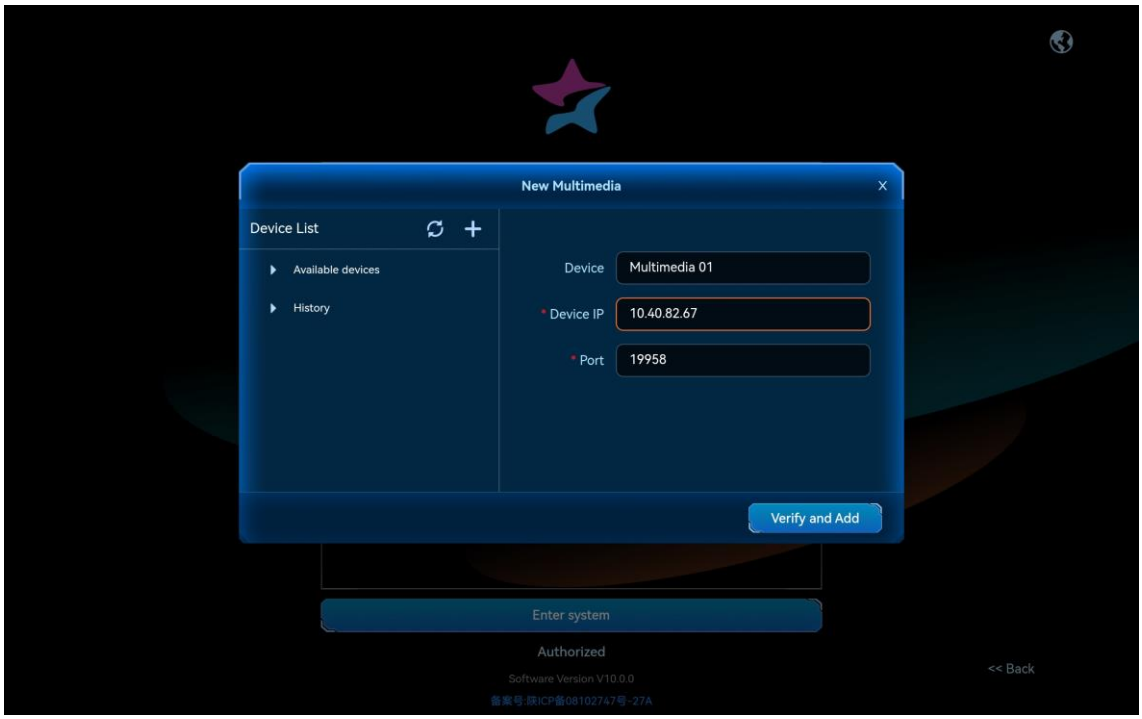
Step 3 Enter a name for the new media server next to **Device**.

The name supports at most 20 English letters, numbers and special characters. It is recommended to use a name that is easy to identify.

Step 4 Enter the port number for the external control function next to **Port**.

The default port number is 19958. If the port number has been changed before, fill in the new port number.

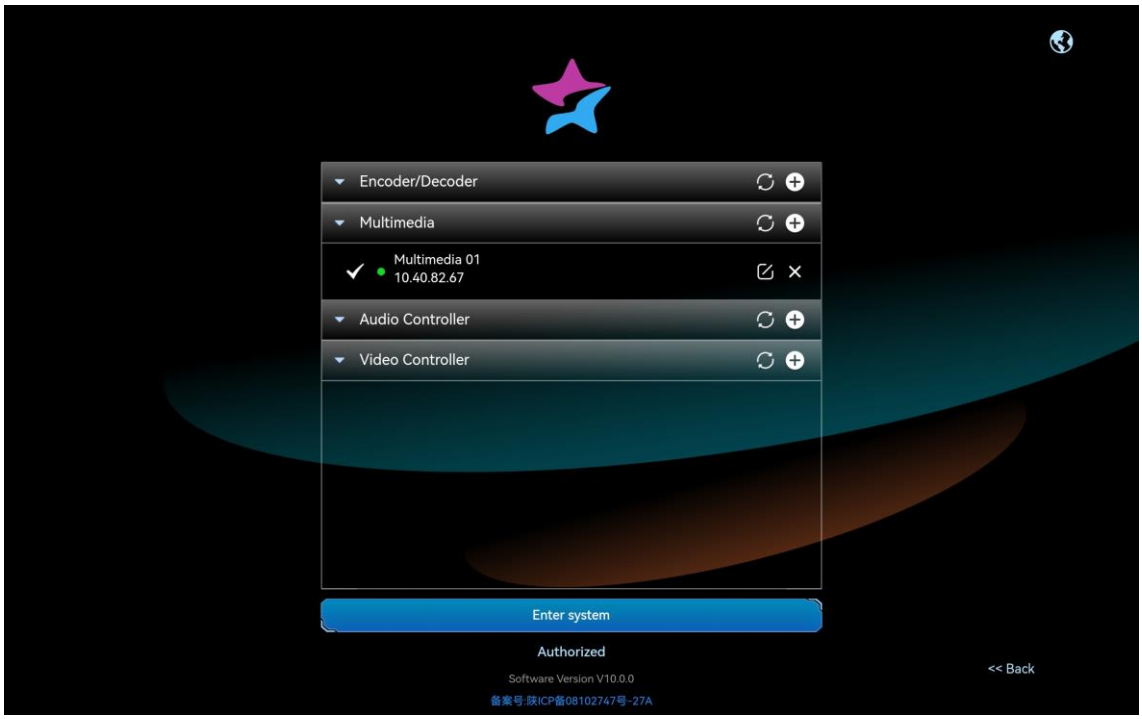
Figure 6-7 Fill in device information



Tap + next to **Device List** and the filled-in information will be cleared. You can manually enter the device IP and port number to add a new media server.

Step 5 Tap **Verify and Add**. After a successful verification, your device is listed in the **Multimedia** list.

Figure 6-8 Device added successfully



Other Operations

- Tap next to the media server name to edit the media server info.
- Tap next to the media server name to delete the media server.
- Status descriptions:
  - : The device is online.
  - : The device is offline.

6.1.3 Configure Audio Controllers

Add the desired audio controllers on the current network to VICP and then perform the device control and switching.

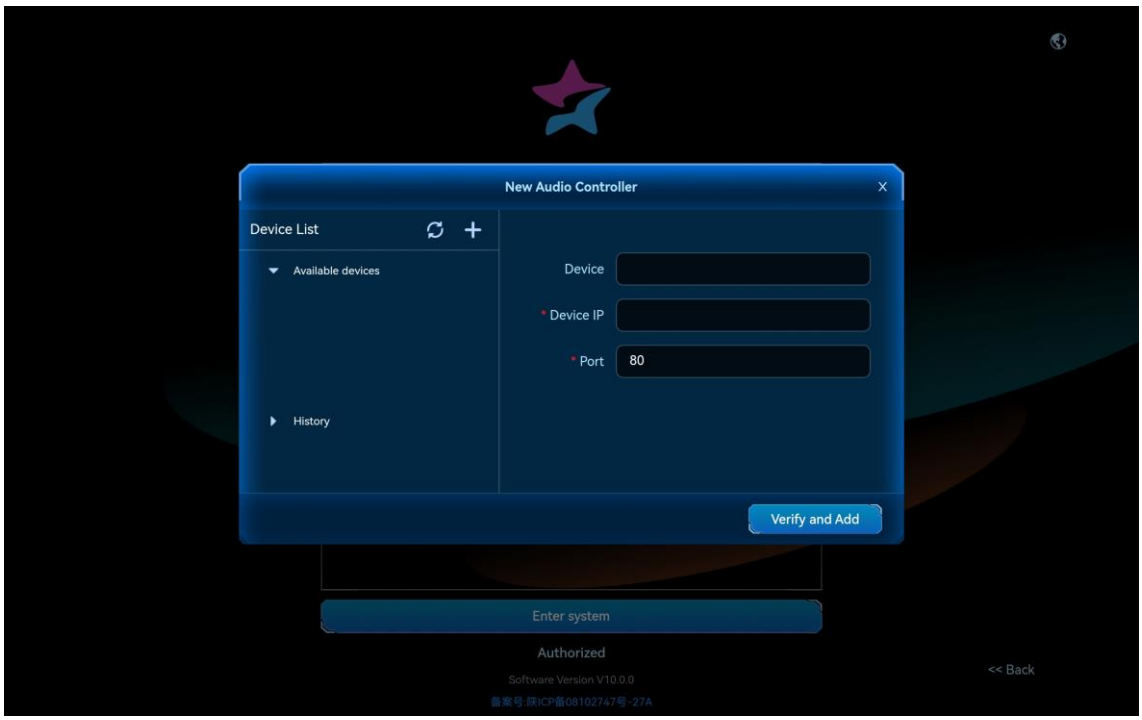
Prerequisites

You must have obtained the port info of the audio controller. The default port is 80.

Operating Procedure

Step 1 Tap next to **Audio Controller** to add a new audio controller.

Figure 6-9 Add audio controllers



Step 2 Enter a name for the new audio controller next to **Device**.

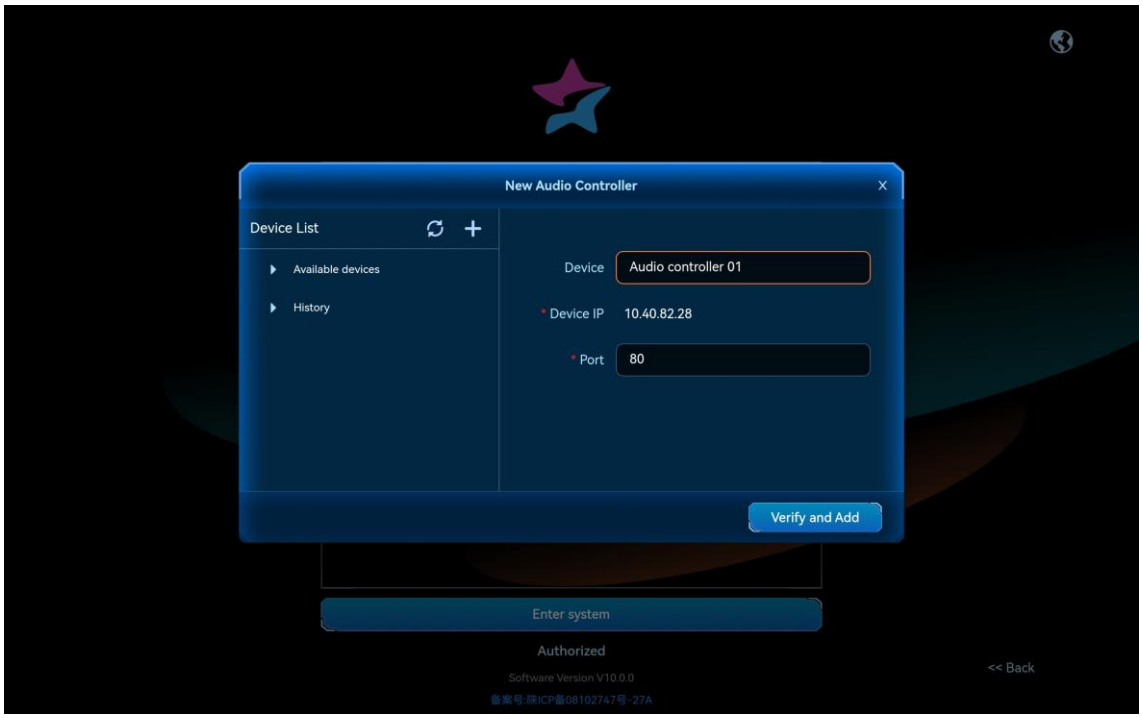
The name supports at most 20 English letters, numbers and special characters. It is recommended to use a name that is easy to identify.

Step 3 Enter the IP address of the audio controller next to **Device IP**.

Step 4 Enter the port number next to **Port**.

The default port number is 80. If the port number has been changed before, fill in the new port number.

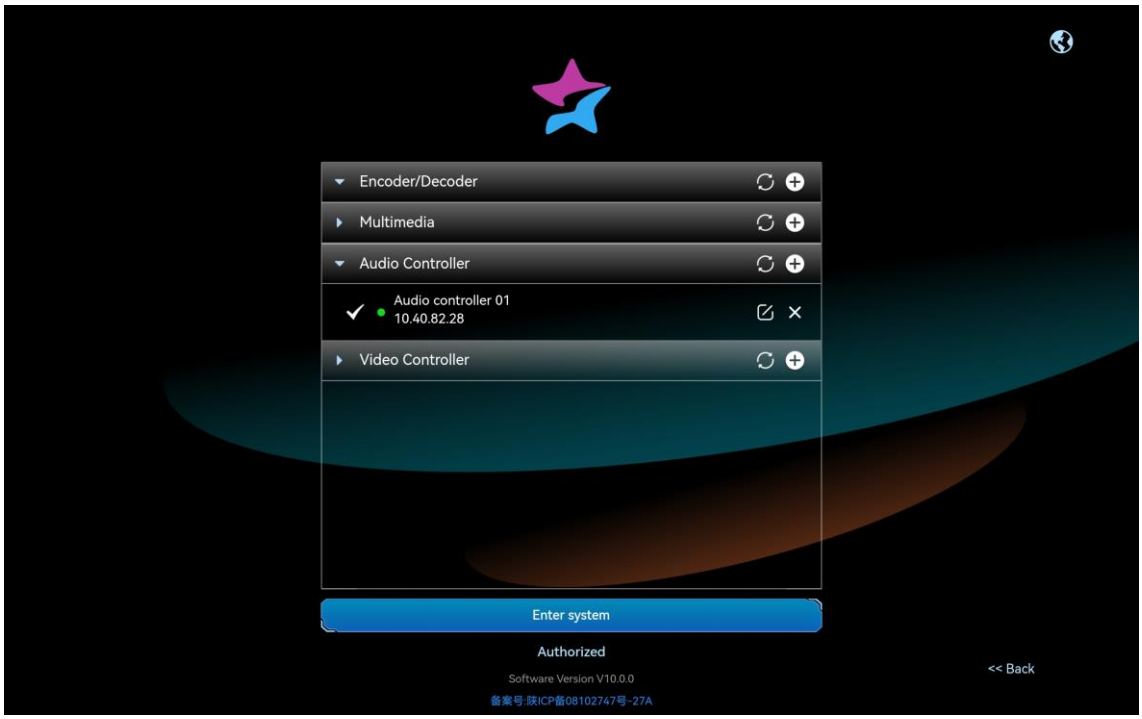
Figure 6-10 Fill in audio controller info



Tap + next to **Device List** and the filled-in information will be cleared. You can manually enter the device IP and port number to add a new audio controller.

Step 5 Tap **Verify and Add**. After a successful verification, your device is listed in the **Audio Controller** list.

Figure 6-11 Device added successfully



Other Operations

- Tap next to the audio controller name to edit the related info.
- Tap next to the audio controller name to delete the audio controller.
- Status descriptions:
  - : The device is online.
  - : The device is offline.

6.1.4 Configure Video Controllers

Add the desired video controllers on the current network to VICP and then perform the device control and switching.

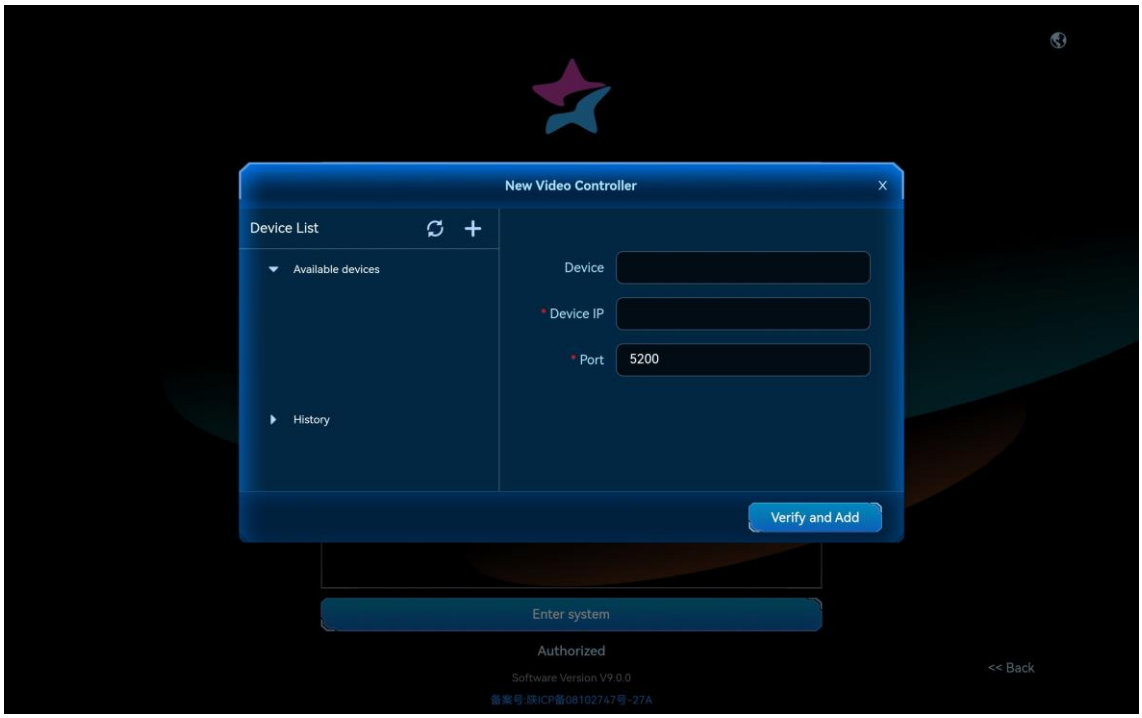
Prerequisites

- You must have connected the video controllers to the network.
- You must have obtained the IP addresses of the video controllers.

Operating Procedure

Step 1 Tap ⊕ next to **Video Controller** to add a video controller.

Figure 6-12 Add video controllers



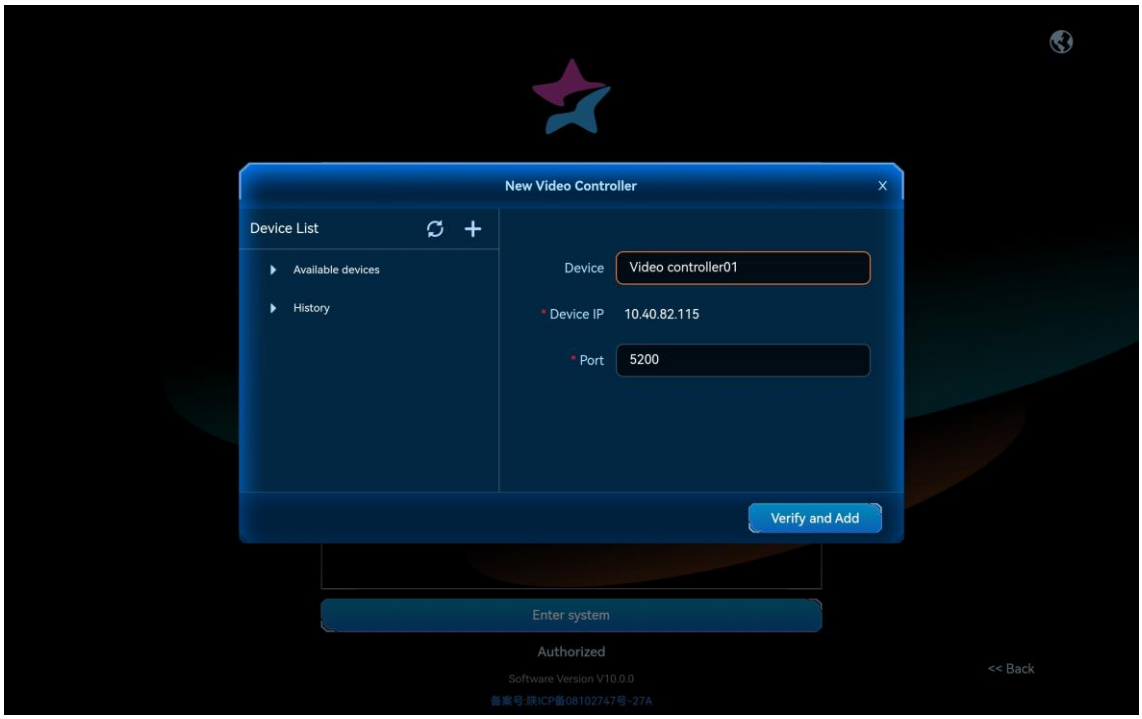
The system will automatically search for all the video controllers on the current network and show their IP addresses in the **Available devices** list on the left.

Step 2 Select the desired IP address and it will be shown in the **Device IP** text box on the right.

Step 3 Enter a name for the new video controller next to **Device**.

The name supports at most 20 English letters, numbers and special characters. It is recommended to use a name that is easy to identify.

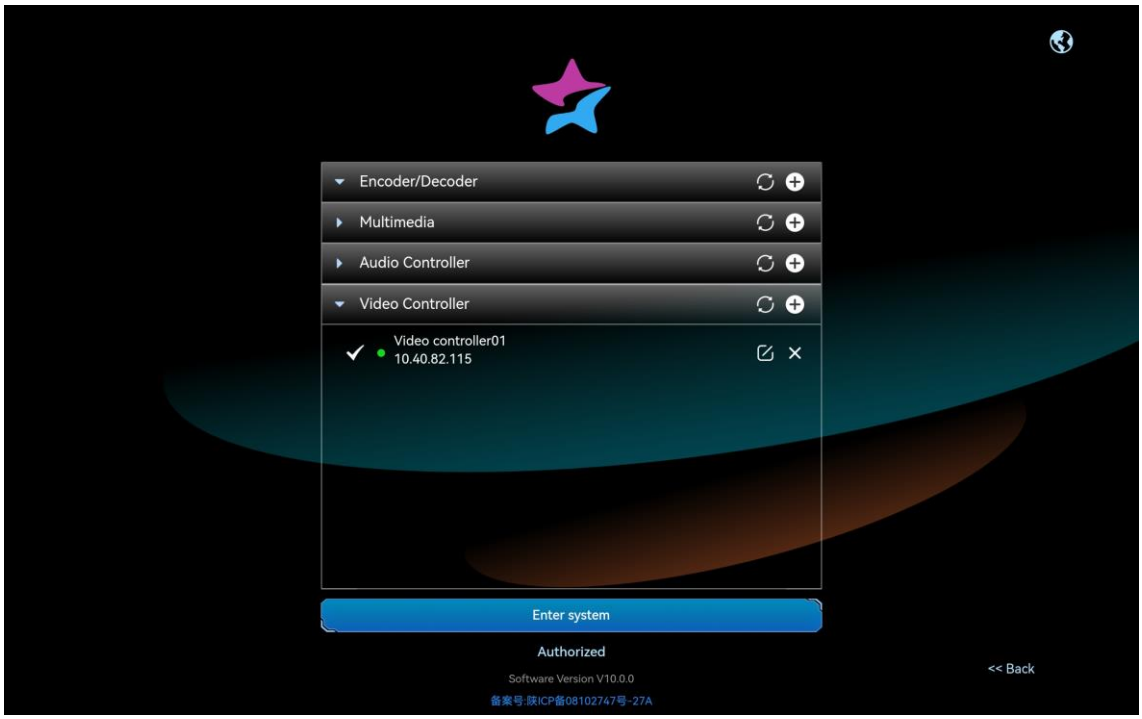
Figure 6-13 Fill in device information



Tap + next to **Device List** and the filled-in information will be cleared. You can manually enter the device IP and port number to add a new video controller.

Step 4 Tap **Verify and Add**. After a successful verification, your device is listed in the **Video Controller** list.

Figure 6-14 Device added successfully



Other Operations

- Tap next to the video controller name to edit the video controller info.
- Tap next to the video controller name to delete the video controller.
- Status descriptions:
  - : The device is online.
  - : The device is offline.

6.2 Enter System

VICP supports the control of encoders, decoders, media servers, IP cameras and audio controllers. When you need to control the IP cameras, you do not have to add the cameras on the login interface and just enter the system directly.

After VICP is started successfully and all the desired devices have been added, tap **Login** to log into the system.

6.3 Multimedia

After a successful login, tap **Multimedia** at the top to enter the multimedia playback control interface where you can perform the following operations.

- Add streaming media and website pages.
- Add layers
- Adjust layer size and position
- Switch programs
- Control playback
- Switch media servers

6.3.1 User Interface Introduction

The media server control interface is shown below.

Figure 6-15 Main user interface

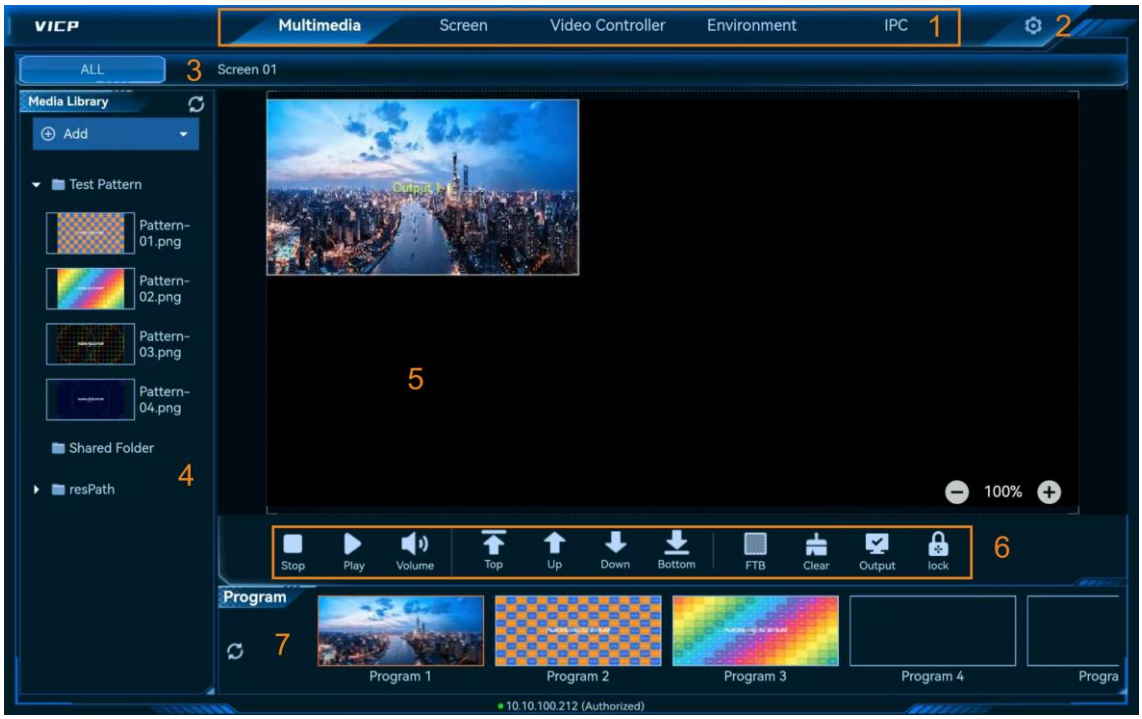


Table 6-1 User interface descriptions

Area	Name	Description
1	Major function tabs	Major function modules are displayed here. Tap one of them to enter the corresponding control interface. • Multimedia: Operate and control the multimedia playback. • Screen: Operate and control the screens loaded by the distributed decoding nodes. • Video Controller: Operate and control the video controller. • Environment: Control the devices controlled by the central control unit. • IPC: Control the IP cameras on the current network. • Audio Control: Control the audio controllers. • Signage: Control the playback of the multimedia players. • Reverse Control: Remotely control the input source PC.
2	Settings	• Customization: Customize your own menu. • Skin: Change the system skin style.

Area	Name	Description
		• Language: Change the system language. • Log Out: Exit the system and return to the login interface.
3	Screen	Single screen management Tap the desired screen to view the bound programs.
4	Media library	Display all the imported media files.
5	Stage	Display the stage configuration and layer properties configuration.
6	Control	Control the program playback, such as stop, adjusting volume, turning pages for slides.
7	Program	Display and switch the programs.

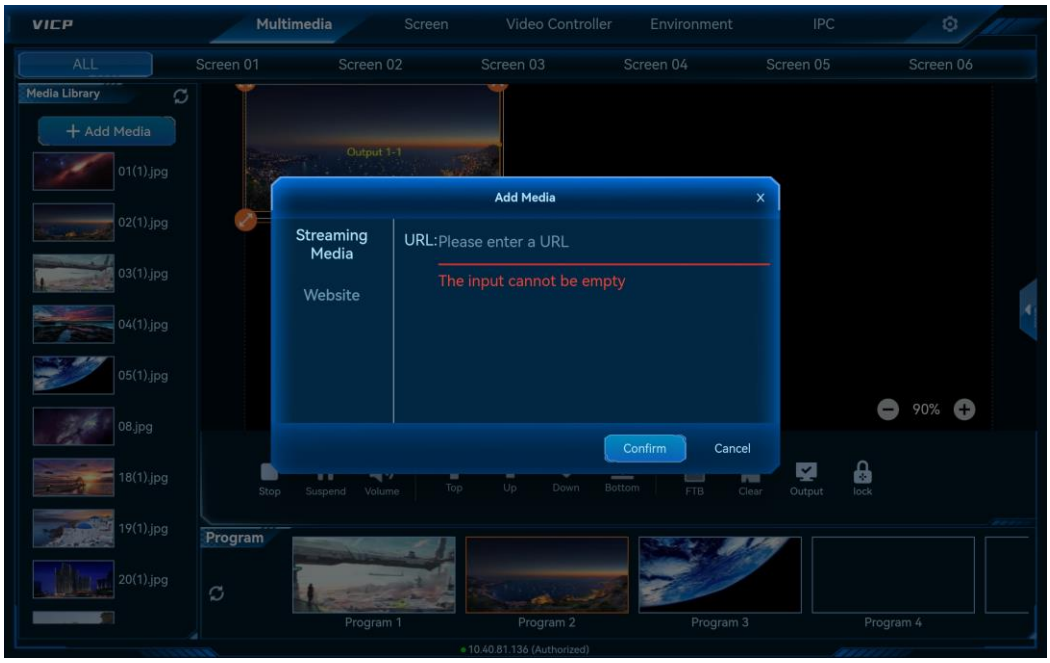
6.3.2 Add Media

You can add streaming media and website pages in VICP.

6.3.2.1 Add Streaming Media

Step 1 Under **Media Library** area, tap **Add Media** to open the window for adding streaming media.

Figure 6-16 Add media



Step 2 Enter the media URL address in the URL field.

The path must begin with "rtsp://", "rtmp://", "http://" or "https://".

Step 3 Tap **Confirm** once you are done.

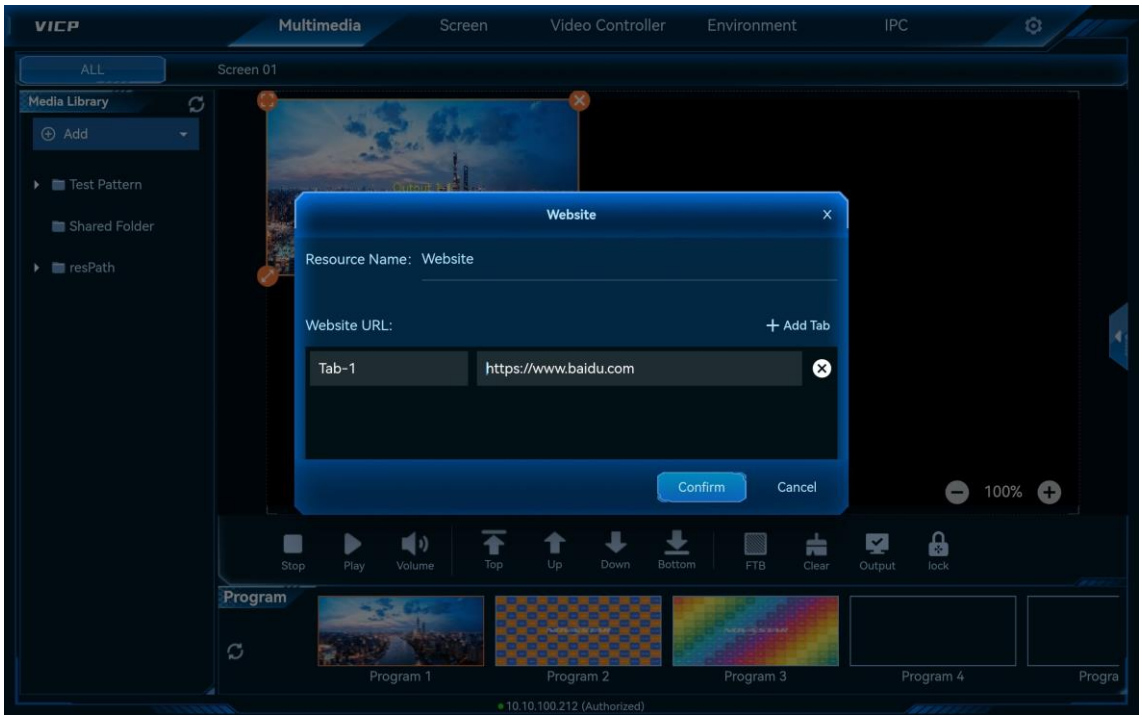
The system will automatically use the streaming media URL as the default media name. However, you can easily change the name within the **Media Library** section of the multimedia playback control software.

6.3.2.2 Add Website Pages

Step 1 In the **Media Library** area, tap **Add Media** to open the window for adding streaming media.

Step 2 Tap **Website** on the left to enter the interface for adding website pages.

Figure 6-17 Add website pages



Step 3 Enter the name of the website in the **Resource Name** field.

Step 4 Enter the tab name in the left text box below **Website URL**.

Step 5 Enter the website URL in the right text box below **Website URL**.

Step 6 [Optional] Tap **Add Tab** to add more tab pages.

Step 7 Tap **Confirm** once you are done.

If the added webpage media has multiple tab pages, you need to change the playback tab in the multimedia playback control software after you add the media to the program.

6.3.2.3 Add OSD

Step 1 In the **Media Library** area, go to **Add** > **OSD** to enter the OSD adding interface.

Step 2 Enter the desired content in the **Text** area.

Step 3 Enter a name next to **Name**.

- Select the desired font from the drop-down list.
- Select the desired font size from the drop-down list.

Step 4 Tap the color block next to **Text Color** to set the font color.

Step 5 Tap the color block next to **BKG Color** to set the display area color.

Step 6 Set the text display position.

When you set the moving effect to **Static**, you can set the text display position.

- : Align the text to the left.
- : Center the text horizontally.
- : Align the text to the right.

Step 7 Set the moving effect.

- Static: The text is displayed statically.
- From Left: The text scrolls from left to right.
- From Right: The text scrolls from right to left.

Step 8 Set the moving speed.

The value ranges from 0 (static) to 100.

Step 9 Set the interval from the end character of the previous scrolling to the start character of the next scrolling.

Step 10 Set the display area information.

3. Deselect the box next to **Adaptive**.
4. Set the display area width.
5. Set the display area height.

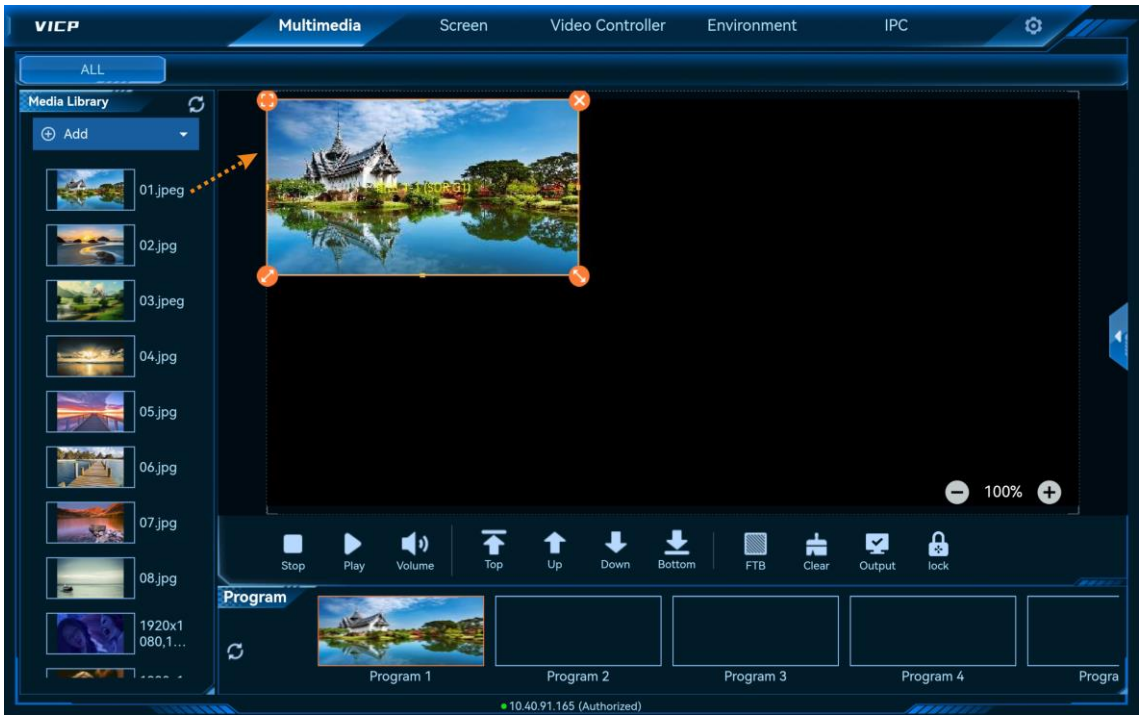
6.3.3 Add Layers

Step 1 In the **Program** area, tap the desired program.

Step 2 In the **Media Library** area, select the desired media file by sliding up or down the media list.

Step 3 Tap and hold the media and then drag it to the stage area to add the media for the target layer.

Figure 6-18 Add layers



6.3.4 Edit Layer Properties

The layer properties include the layer size, position, priority and playback.

Quick Editing

In the stage area, tap the target layer. After a layer is selected, four quick operation buttons appear at four corners of the layer.

- : Tap the icon to make the layer fill the output connector.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top left corner of the layer remains unchanged.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top right corner of the layer remains unchanged.
- : Tap the icon to delete the layer.
- Tap and hold the layer, and then drag it to quickly adjust its position.

Precise Editing

In the stage area, tap the desired layer and then tap on the right edge to expand the layer properties pane.

Figure 6-19 Layer properties

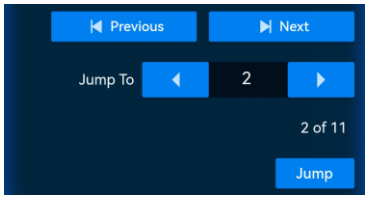
- Playback control
  - Tap or to play the media or pause the media playback.
  - Drag the slider block to control the playback progress.
  - Tap **Previous** or **Next** to select the previous or next media and control the selected media.
- Position and size adjustment

  Adjust the position and size of the layer by either tapping + or − for fine adjustments or directly entering the exact values in the text boxes.
  - X: Adjust the initial horizontal position of the layer.
  - Y: Adjust the initial vertical position of the layer.
  - Width: Adjust the layer width.
  - Height: Adjust the layer height.

- Rotate: Rotate the layer image clockwise with the layer center as the rotation point. The value range is 0–360.

- Volume control
  - : Turn on the layer sound, and adjust the volume by either tapping **+/-** or dragging the slider block.
  - : Turn off the layer sound.

- Playback control over PowerPoint files



  - Previous: Tap the icon to view the previous page.
  - Next: Tap the icon to view the next page.
  - Jump: Enter a page number in the text box and tap **Jump** to jump to the specified page.

6.3.5 Delete Layers

Step 1 In the **Program** area, tap the desired program.

Step 2 Tap the target layer.

Step 3 Tap at the top right of the layer to delete it.

6.3.6 Switch Layer Media

Step 1 In the **Program** area, tap the target program.

Step 2 In the **Media Library** area, select the desired media file by sliding up or down the media list.

Step 3 Tap and hold the media and then drag it to the center of the target layer to replace the existing media.

6.3.7 Play Programs

In the **Program** area, tap the desired program to play and switch it.

6.3.8 Playback Control

- Stop: Stop the program playback.
- Play: Play the selected program.
- Suspend: Pause the program playback.
- Volume: Tap the icon to show the volume adjustment bar and then drag the slider block to adjust the volume.
- Mute: Turn on/off the sound of the selected program.
- Top: Bring the layer to the front.
- Up: Move the layer one level up.
- Down: Move the layer one level down.
- Bottom: Send the layer to the back.
- Clear: Clear all the layers in the selected program.
- Output: Enable or disable the media output.

6.3.9 Switch Media Servers

After configuring the media servers on the login page, you can switch the media server directly on the main user interface without the need to exit the current server and reconfigure the new server.

Prerequisites

You have configured the media servers in the **Multimedia** area on the login page.

Operating Procedure

Step 1 Tap **Multimedia** at the top on the main user interface to show the online media server list.

Server status descriptions are as follows:

- : The media server is being operated.
- : The media server is online and ready for use.
- : The media server is offline and not ready for use.

Step 2 Tap the icon to switch to the desired media server.

6.4 Screen

Tap **Screen** to enter the control interface of the distributed decoding nodes.

6.4.1 User Interface Introduction

Figure 6-20 Main interface

Table 6-2 User interface descriptions

Area	Name	Description
1	Major function tabs	Major function modules are displayed here. Tap one of them to enter the corresponding control interface. • Multimedia: Operate and control the multimedia playback.

Area	Name	Description
		• Screen: Operate and control the screens loaded by the distributed decoding nodes. • Video Controller: Operate and control the video controller. • Environment: Control the devices controlled by the central control unit. • IPC: Control the IP cameras on the current network. • Audio Control: Control the audio controllers. • Signage: Control the playback of the multimedia players. • Reverse Control: Remotely control the input source PC.
2	Settings	• Customization: Customize your own menu. • Skin: Change the system skin style. • Language: Change the system language. • Log Out: Exit the system and return to the login interface.
3	Screen	Display and switch the screens loaded by the distributed decoding nodes.
4	Signal source	List the signals connected to the distributed encoding nodes as well as the configured IPC sources.
5	Screen editing area	• Display all the layer layout info. • Add and adjust the layers. • Switch the layer input sources
6	Control	• Quickly adjust the layer layout. • Control the screen locking and output display, and also quickly clear the layers. • Control the FTB, freeze and brightness adjustment.
7	Preset and schedule	• Preset: Display all the saved presets for the current screen. • Schedule: Display all the created preset playlists for the current screen.

6.4.2 Layer Operations

6.4.2.1 Add Layers

Tap and drag an input source in the signal list on the left and drag it to the screen to add a layer.

Figure 6-21 Add layers manually

When you tap the layer, four function icons appear at four corners of the layer, allowing for quick adjustment.

- : Tap this icon to make the selected layer fill the screen.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top left corner of the layer remains unchanged.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top right corner of the layer remains unchanged.
- : Tap the icon to delete the layer.

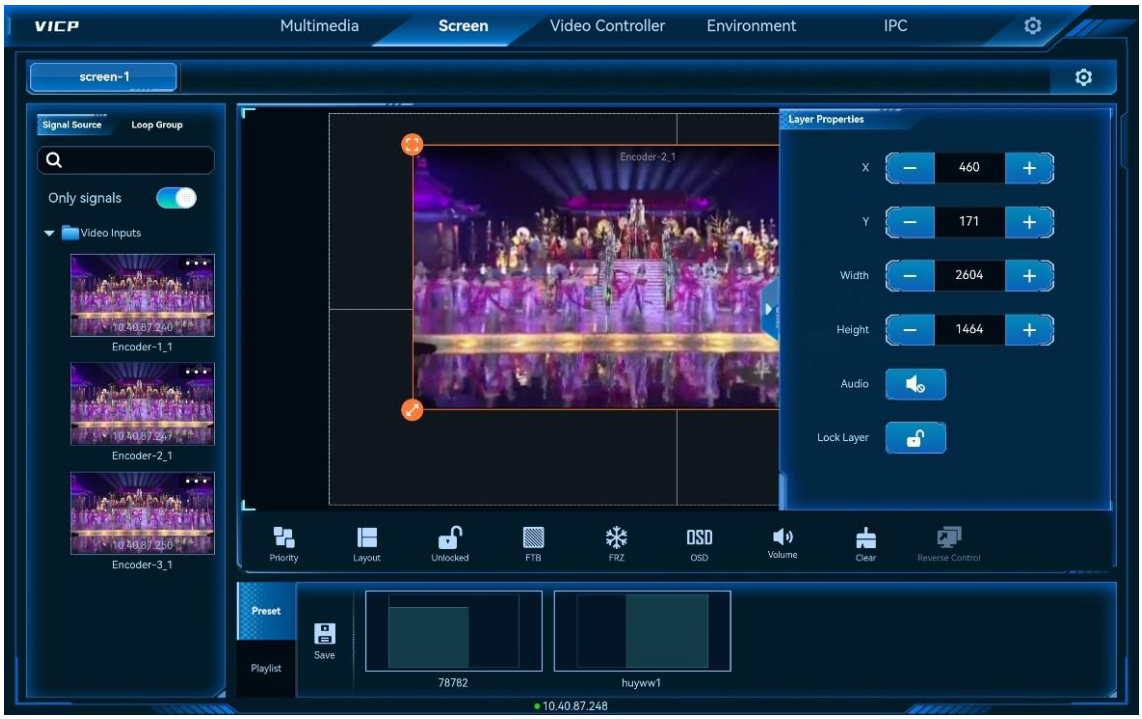
Note:

Double tap the layer to make the layer fill the output connectors where it locates and crosses.

6.4.2.2 Adjust Layer Properties

After a layer is selected, tap  on the right edge to expand the layer properties pane.

Figure 6-22 Layer properties



- X: Set the initial horizontal position of the layer, that is, the horizontal offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Y: Set the initial vertical position of the layer, that is, the vertical offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Width: Set the layer size in the horizontal direction. The unit is the pixel.
- Height: Set the layer size in the vertical direction. The unit is the pixel.
- Volume: Turn on/off the selected layer volume.
- Lock Layer: Set whether to lock the selected layer. After the layer is locked, any adjustment will not take effect.

Parameter Adjustment

- Tap  or  to increase or decrease the parameter value by one pixel at a time.
- Enter the parameter value directly between  and  .

6.4.2.1 Delete Layers

After you have loaded a preset or added a layer, tap the layer and four function icons appear at the corners of the layer. Tap  at the top right corner to delete the layer.

Tap  in the control area to clear all the layers on the current screen.

6.4.2.2 Switch Layer Input Sources

Slide the signal source list up and down, and then select the target source and drag it to the layer to switch the layer input source. The layer size remains unchanged.

Figure 6-23 Switch layer input sources

6.4.2.3 Set Audio for Input Sources

The distributed encoding and decoding nodes support the accompanied and analog audio.

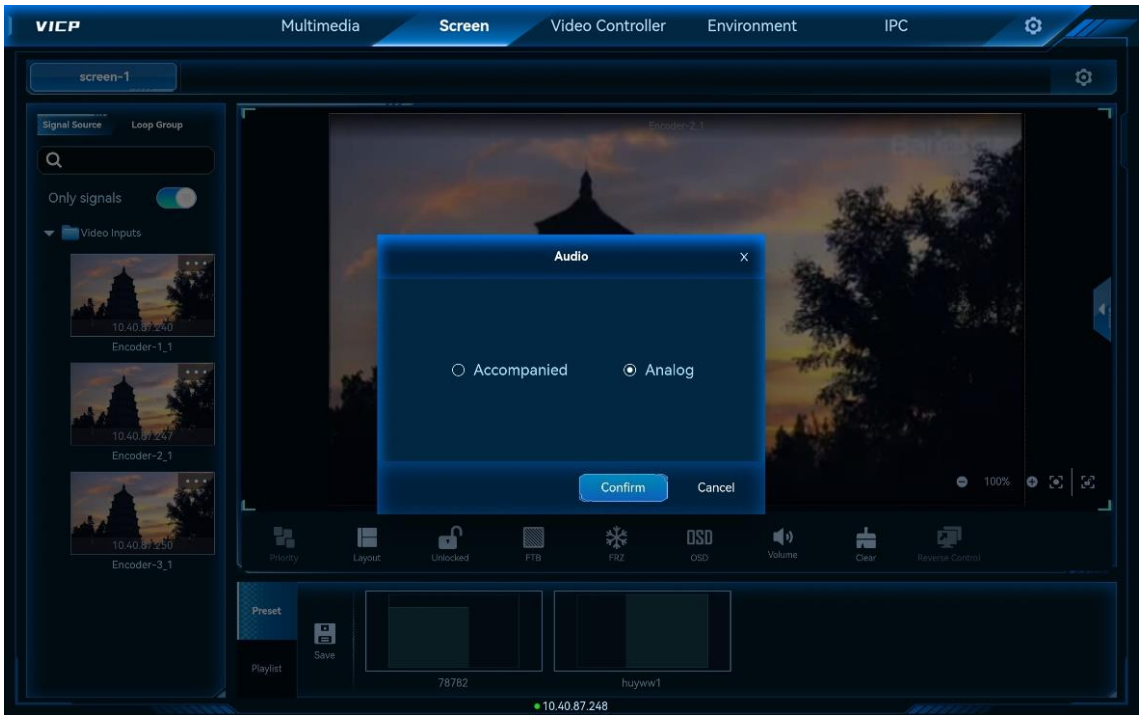
Prerequisites

If you need to set the analog audio for an input source, connect the audio to the 3.5 mm audio connector on the encoding node accessed with the input source.

Operating Procedure

Step 1 In the signal list on the left, tap ● ● ● at the top right of the selected input source and then tap **Audio**.

Figure 6-24 Audio settings



Step 2 Select the audio connecting mode for the input source. The options include **Accompanied** and **Analog**.

- Accompanied: Set the audio connected by the HDMI or DP connector for an input source.
- Analog: Set the audio connected by the 3.5 mm connector on the encoding node for an input source.

Step 3 Tap **Confirm** to complete the settings.

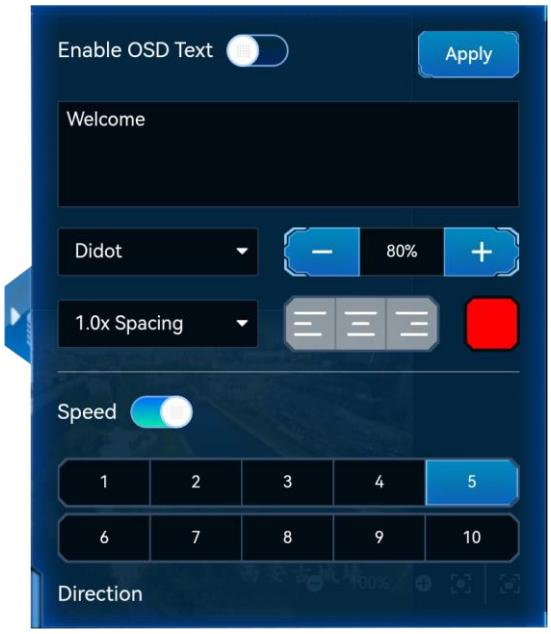
6.4.2.4 Add OSD

Step 1 Tap a video wall name to select the desired video wall.

Step 2 Tap OSD in the control area to expand the OSD settings pane on the right.

If you do not select a layer, tap ◀ on the right edge to expand the OSD settings pane.

Figure 6-25 OSD settings pane



Step 3 Tab **OSD text** to show the OSD text settings.

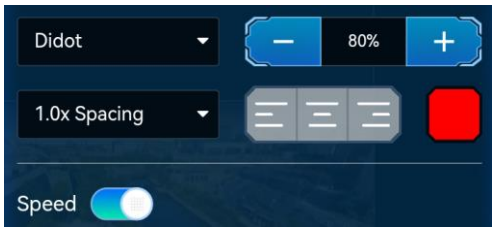
Step 4 Toggle the switch next to **Enable OSD text** to turn on the OSD text function.

Step 5 In the text box below **Enable OSD text**, enter the OSD text content.

Figure 6-26 OSD text

Step 6 Set the OSD text properties.

Figure 6-27 OSD text properties



- Set the text font.

  From the drop-down list, select the desired text font.

- Set the text size.

  Set the text size by either entering the value in the text box or tap  or  . The text size is shown in percentage that indicates the ratio of the text size to the text area height.

- Set the text spacing.

  From the drop-down list, set the spacing between two letters or characters.

- Set the color and opacity of the OSD text.
- Set the text alignment method.

  When the switch next to **Speed** is disabled, the alignment item is available. Three alignment options are provided.

  - (Align left): Align the text content with the left margin of the OSD area.
  - (Center): Center the text content in the OSD area.
  - (Align right): Align the text content with the right margin of the OSD area.

Step 7 Set the OSD text scrolling speed.

Toggle the switch next to **Speed** to enable the text scrolling.

Tap the desired speed in the **Speed** area. The default value is 5.

Step 8 Set the OSD text scrolling direction.

The options are **From Right** (default) and **From Left**.

Step 9 Set the background color of the OSD text.

A solid color is supported.

1. Toggle the switch next to **Background Color** to turn on the background for OSD text.
2. Tap the color block icon next to **Background Color** to open a window where you can select or custom colors.
3. Select an existing color or enter the RGB values to define a custom color in the displayed window.
4. Tap and drag the slider block to set the opacity for the OSD background.

Step 10 Set the OSD position and size.

- Position:
  - X: Set the horizontal distance from the top left corner of the OSD to that of the screen.

- Y: Set the vertical distance from the top left corner of the OSD to that of the screen.

- Size:
  - Width: Set the OSD area width. The value ranges from 64 to 7620 pixels.
  - Height: Set the OSD area height. The value ranges from 64 to 3240 pixels.

Step 11 Tap **Apply** at the top right corner of the OSD settings pane to complete the OSD text settings and display the OSD text on the screen.

Note:

When the firmware version of the controlled distributed processor is DCS3 V3.1.0, you can only enable or disable OSD, and the OSD configuration is not supported.

6.4.3 Preset Operations

6.4.3.1 Load Presets

Prerequisites

You have saved a preset on the Web control page.

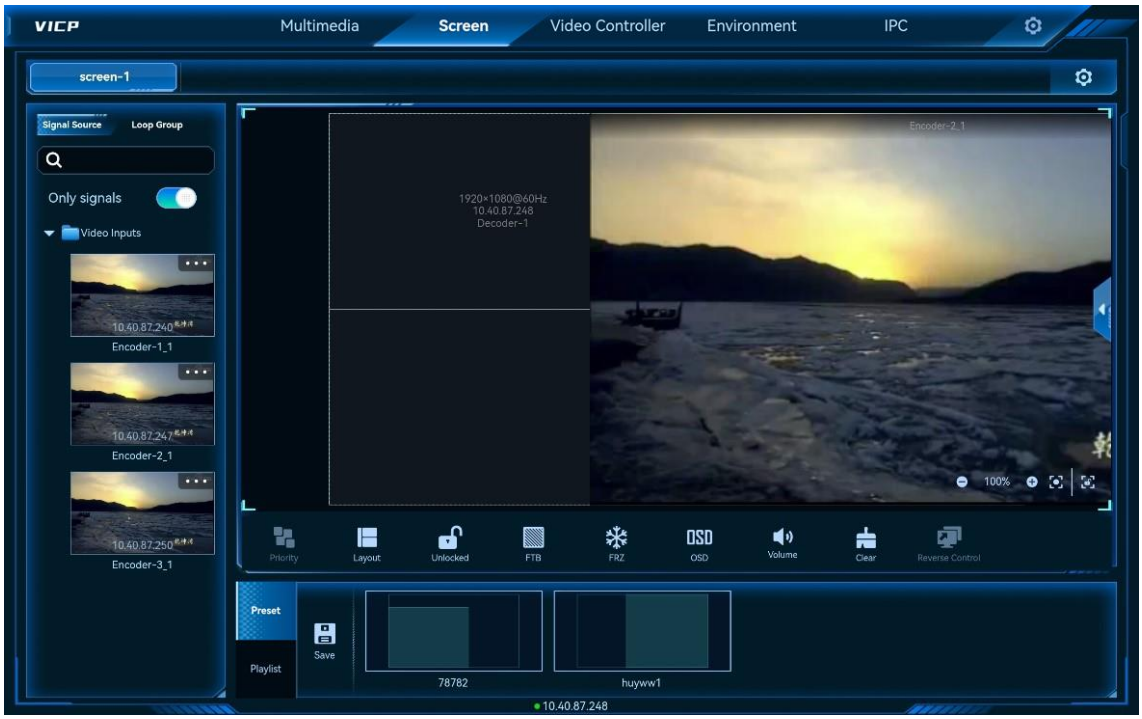
Operating Procedure

Step 1 On the screen control interface, tap the desired screen to enter the corresponding screen control interface.

Step 2 Tap **Preset** to show the preset list.

Step 3 Tap the desired preset to load it.

Figure 6-28 Load presets



Note:

After a preset is loaded, you can select a layer and change its size and position, or switch the layer input source by tapping and dragging the desired source to the layer. All the changes you have made will not be saved to the preset.

6.4.3.2 Preset Playback

Prerequisites

You have added a preset playlist playback on the Web control page.

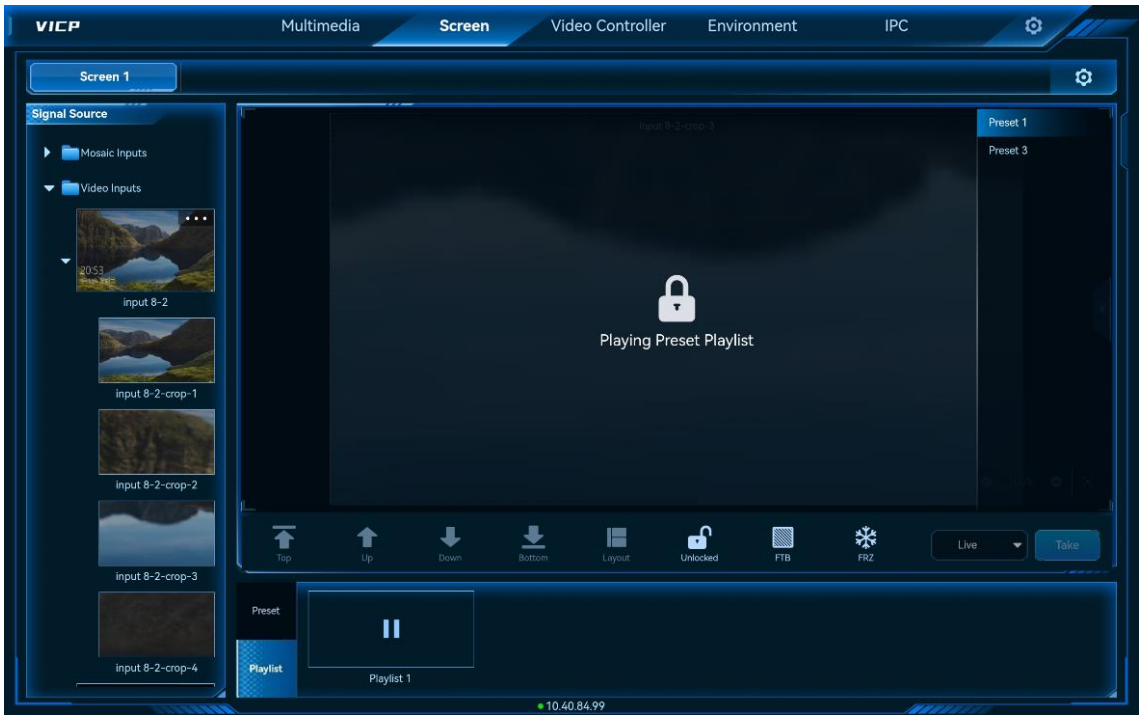
Operating Procedure

Step 1 On the screen control interface, tap the desired screen to enter the corresponding screen control interface.

Step 2 Tap **Schedule** to show the preset playback list

Step 3 Tap ▶ on a preset playlist to play it.

Figure 6-29 Preset Playback



During the playback, the screen is locked automatically and no operations are allowed. Tap ⏸ to stop the playback.

When a preset playlist is playing, you can perform the following operations.

- Lock: Lock the current screen.
- FTB: Make the preset image fade to black
- Freeze: Freeze the current frame of the preset image.

Status descriptions:

- : The preset playback mode is set to the **Loop** mode, which means that the presets are played automatically according to a set duration.
- : The preset playback mode is set to the **Scheduled** mode, which means that the presets are played automatically according to a set start time.

6.4.4 Screen Control

- Priority: Adjust the layer display priority.
  - Top: Bring the layer to the front.
  - Up: Move the layer one level up.
  - Down: Move the layer one level down.

  - Bottom: Send the layer to the back.
- : Quickly add and arrange the layers with the selected layout.
- : Lock the current screen layers. When locked, the screen layers cannot be edited and changed.
- : Unlock the layers on the screen.
- : Make the screen fade to black.
- : Turn off the fade to black setting.
- : Freeze the output image.
- : Unfreeze the output image.
- : Adjust the output image brightness.
- OSD: Expand the OSD settings pane to add OSD.
- Volume: Adjust the layer output volume.
- : Clear all the layers on the current screen.
- Reverse Control: Enter the desktop of the computer connected to the encoding node, and then you can remotely control the input source PC.
- : Lock the screen editing area. After successful locking, the editing area cannot be moved.

6.5 Video Controller

On the main user interface, tap **Video Controller** to enter the video controller interface.

6.5.1 User Interface Introduction

Figure 6-30 Main interface

Table 6-3 User interface descriptions

Area	Name	Description
1	Major function tabs	Major function modules are displayed here. Tap one of them to enter the corresponding control interface. • Multimedia: Operate and control the multimedia playback. • Screen: Operate and control the screens loaded by the video wall splicers (H series). • Video Controller: Operate and control the video controller. • Environment: Control the devices controlled by the central control unit. • IPC: Control the IP cameras on the current network. • Audio Control: Control the audio controllers. • Signage: Control the playback of the multimedia players. • Reverse Control: Remotely control the input source PC.

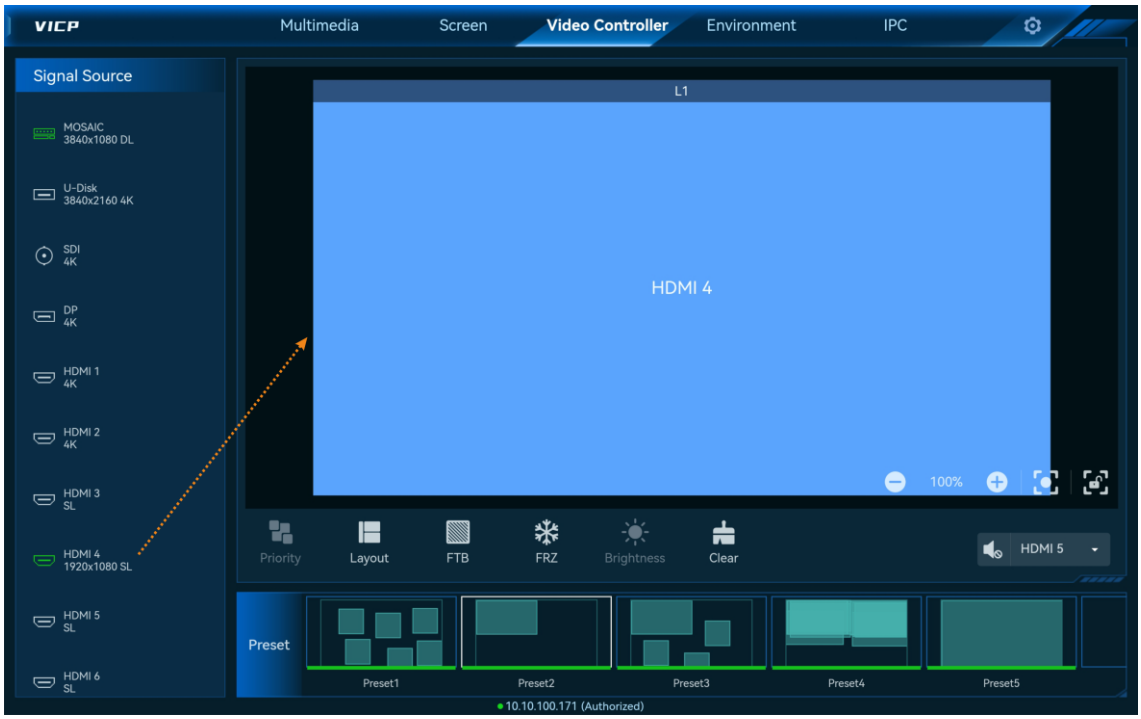
Area	Name	Description
2	Settings	• Customization: Customize your own menu. • Skin: Change the skin. Five skins are supported currently. • Language: Change the UI language. English and Simplified Chinese are supported currently. • Exit: Exit the system and return to the login interface.
3	Signal source	List all the connected signals. • Green: An input source is accessed. • Gray: No input source is accessed.
4	Screen	Display and switch the screens loaded by the video controllers.
5	Control	• Quickly adjust the layer layout. • Control the screen locking and output display, and also quickly clear the layers. • Control the FTB, freeze and brightness adjustment.
6	Preset	Preset: Display all the saved presets for the current screen.

6.5.2 Layer Operations

6.5.2.1 Add Layers

Tap and drag an input source in the **Signal Source** area on the left and drag it to the screen to add a layer.

Figure 6-31 Add layers



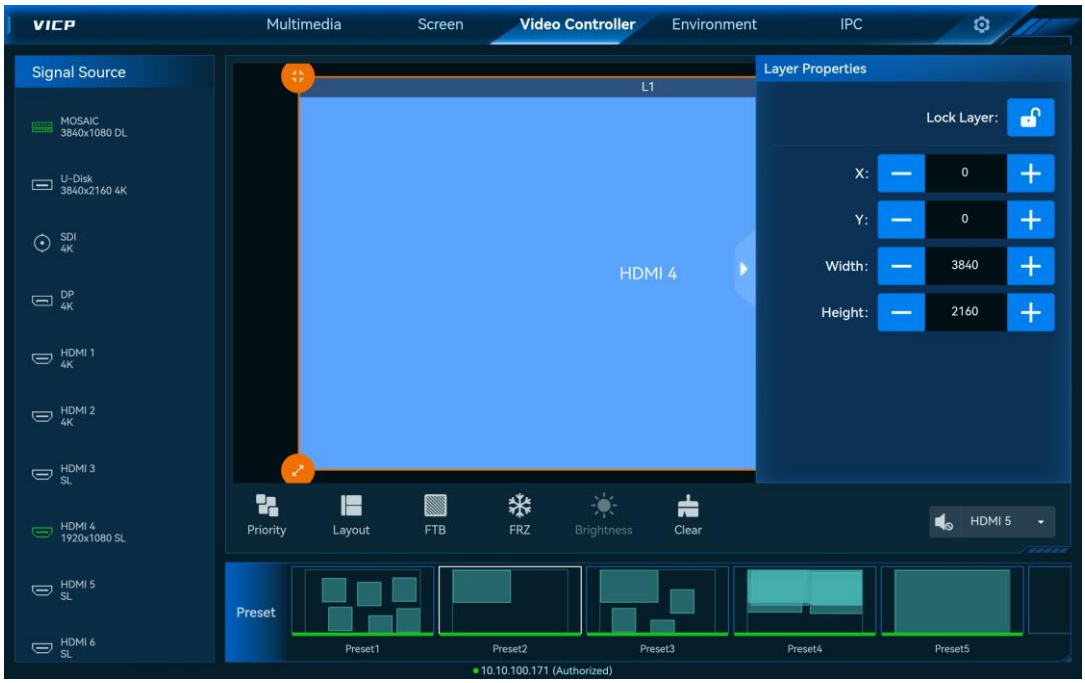
When you tap the layer, four function icons appear at four corners of the layer, allowing for quick adjustment.

- : Tap this icon to make the selected layer fill the screen.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top left corner of the layer remains unchanged.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top right corner of the layer remains unchanged.
- : Tap the icon to delete the layer.
- Tap and hold the layer, and then drag it to quickly adjust its position.
- Pin to zoom to quickly adjust the layer size.

6.5.2.2 Adjust Layer Properties

After a layer is selected, tap on the right edge to expand the layer properties pane.

Figure 6-32 Layer properties



- X: Set the initial horizontal position of the layer, that is, the horizontal offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Y: Set the initial vertical position of the layer, that is, the vertical offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Width: Set the layer size in the horizontal direction. The unit is the pixel.
- Height: Set the layer size in the vertical direction. The unit is the pixel.

Parameter Adjustment

- : Mute or unmute the sound of the media.
- : Lock or unlock the selected layer.
- Tap or to increase or decrease the parameter value by one pixel at a time.
- Enter the parameter value directly between and .

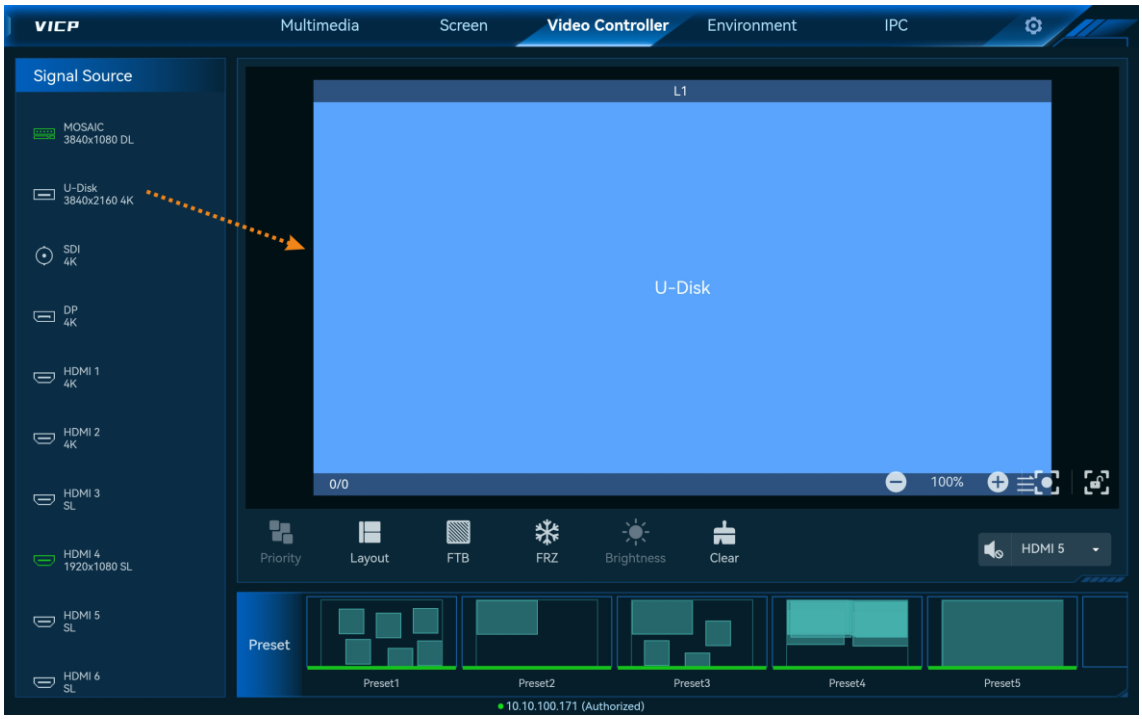
6.5.2.3 Delete Layers

- After you have loaded a preset or added a layer, tap the layer and four function icons appear at the corners of the layer. Tap at the top right corner to delete the layer.
- Tap in the control area to clear all the layers on the current screen.

6.5.2.4 Switch Layer Input Sources

Slide the signal source list up and down, and then select the target source and drag it to the layer to switch the layer input source. The layer size remains unchanged.

Figure 6-33 Switch layer input sources



6.5.2.5 USB Playback

You can control the playback of an USB source provided by a video controller in VICP.

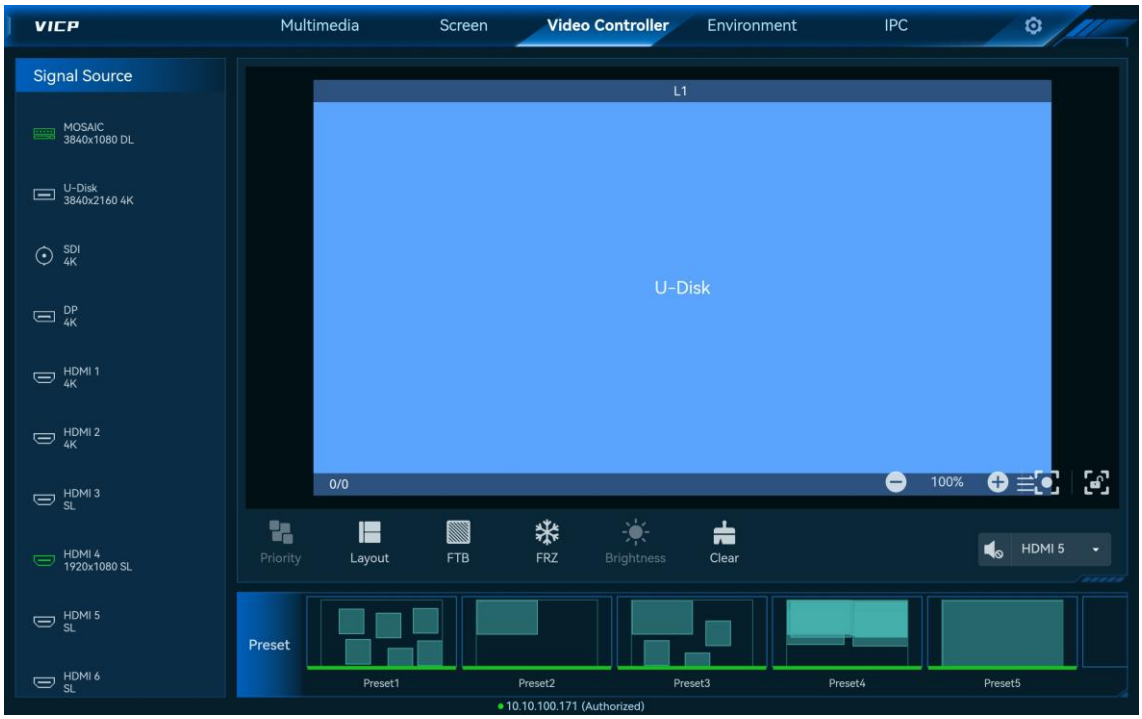
Prerequisites

- The controlled video controller supports USB playback and you have added it by following the steps in Configure Video Controllers.
- You have saved media files to a USB drive and inserted it into the video controller.

Operating Procedure

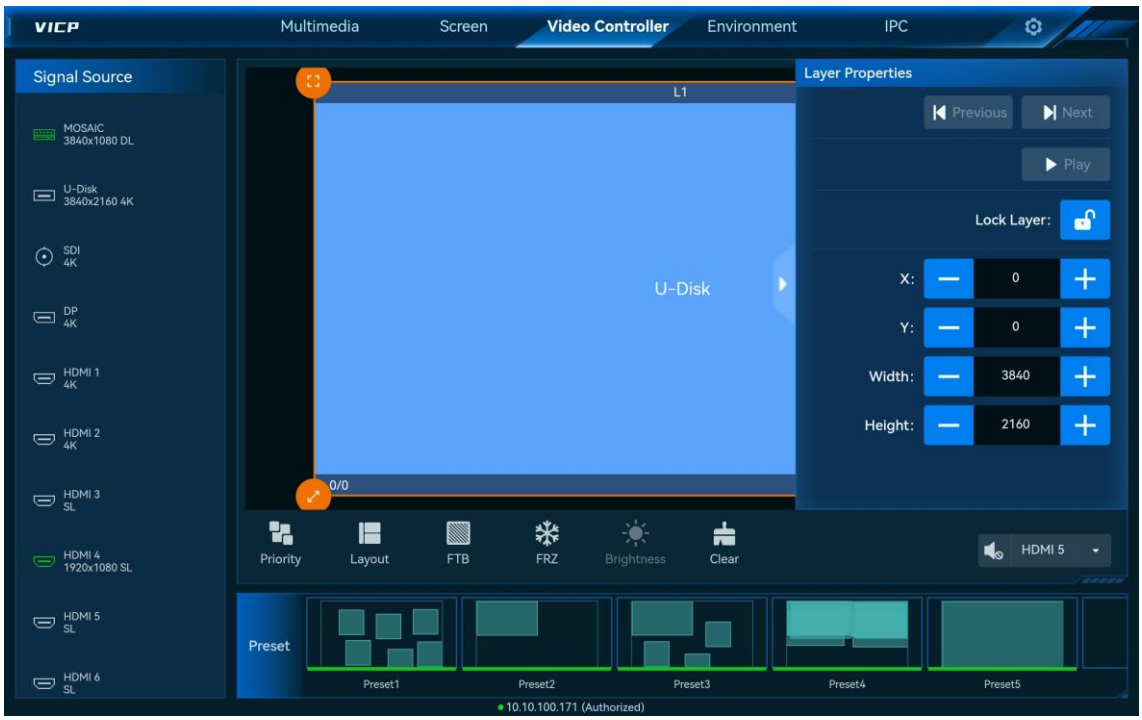
Step 1 Tap and drag a USB source in the **Signal Source** area on the left to the screen to add a layer.

Figure 6-34 Add USB sources



Step 2 Tap on the right edge to expand the layer properties pane.

Figure 6-35 USB source properties



- Previous: Switch to the previous media file.

- Next: Switch to the next media file.
- Play: Play the selected media file.
- The numbers of total files and selected files are shown at the bottom left corner of the layer.
- Change the playback mode in the control area. The supported options are as follows.
  - : Loop playback of the files in the play list.
  - : Loop playback of the current file.
  - : Play the files in the playlist in order until the playback of the last file is completed.
- Tap and select the output audio from the drop-down list.

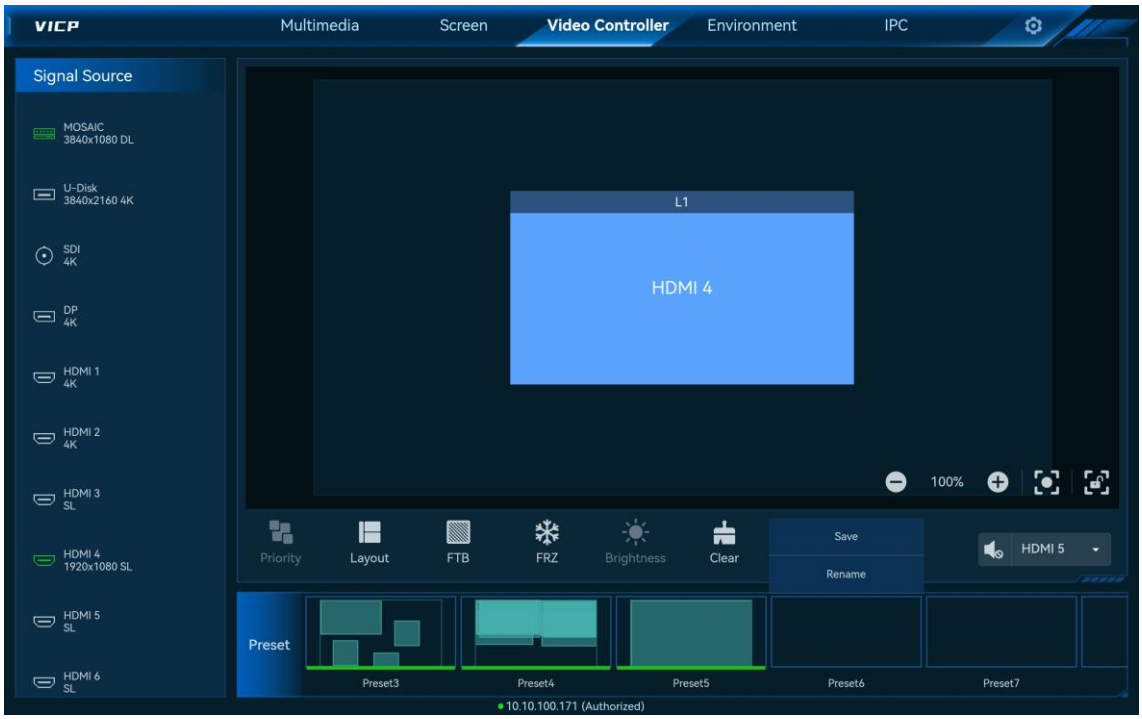
6.5.3 Preset Operations

Save Presets

After the layer settings, you can save the current layer layout and settings as a preset for future use.

Tap and hold the desired empty preset and select **Save** in the popup menu to save the current layer layout as a preset.

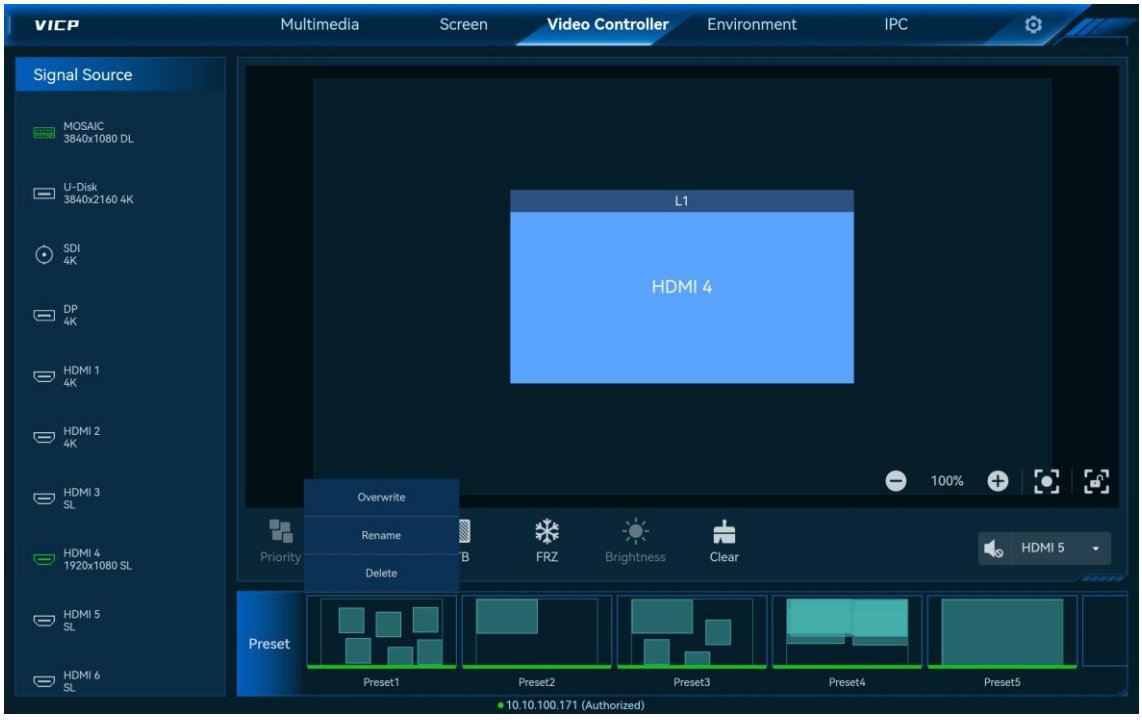
Figure 6-36 Save presets



Overwrite Presets

Tap and hold the desired preset and select **Overwrite** in the popup menu to replace the selected preset with a new one.

Figure 6-37 Overwrite presets



Rename Presets

Tap and hold the desired preset and select **Rename** in the popup menu. Enter a new name for the selected preset.

Delete Presets

Tap and hold the desire preset and select **Delete** in the popup menu to clear the layer information saved in the preset.

Load Presets

In the **Preset** area, tap the desired preset to load it.

- An empty preset cannot be loaded.
- After the preset is loaded successfully, the new operations such as layer input source switching and layer size adjustment will not be saved in the current preset.

6.5.4 Screen Control

- Priority: Adjust the layer display priority.
  - Top: Bring the layer to the front.
  - Up: Move the layer one level up.
  - Down: Move the layer one level down.
  - Bottom: Send the layer to the back.
- : Quickly add and arrange the layers with the selected layout.
- : Make the screen fade to black.
- : Turn off the fade to black setting.
- : Freeze the output image.
- : Unfreeze the output image.
- : Adjust the output image brightness.
- OSD: Expand the OSD settings pane to add OSD.
- BKG: Enable/Disable the BKG function.
- Volume: Adjust the layer output volume.
- : Clear all the layers on the current screen.

- Automatically fit the current screen area to display the current screen and all the layers.
- : Lock the screen editing area. After successful locking, the editing area cannot be moved.

Note:

Some screen control functions may not be supported depending on the loaded device.

6.5.5 Switch Video Controllers

After configuring the video controllers on the login page, you can switch the video controllers without the need to exit the current control and reconfigure the video controller.

Prerequisites

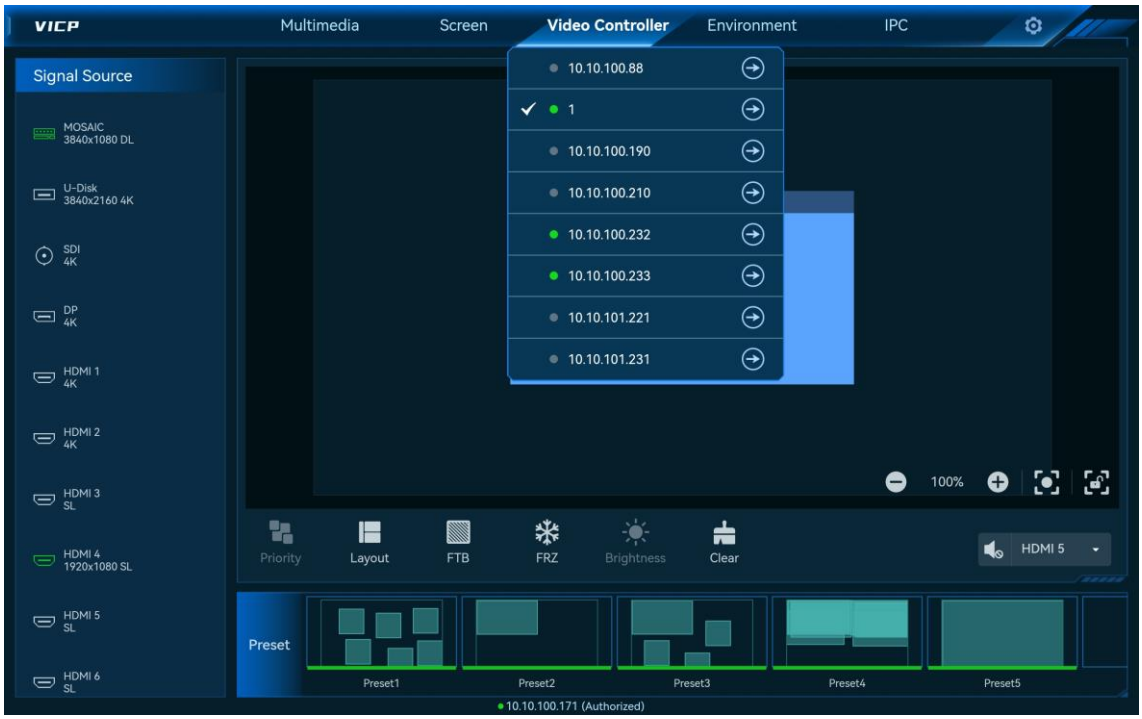
You have completed the configurations for the video controllers in **Video Controller** on the login page.

Operating Procedure

Step 1 On the main user interface, tap **Video Controller** to enter the video controller interface.

Step 2 Tap **Video Controller** again to show the video controller list.

Figure 6-38 Video controller list



The video controller status descriptions are as follows:

- : The video controller is being operated.
- : The video controller is online and ready for use.
- : The video controller is offline and cannot be used.

Step 3 Tap the icon next to the desired video controller to complete the switching.

6.6 Environment

On the main user interface, tap **Environment** to enter the environment control interface.

The environment interface allows you to control the lights, curtains, PTZ, TVs, audio volume and more via the intelligent central control unit.

Note:

Before using the environment control function, please contact the technical support staff to produce the configuration files according to the on-site conditions in advance and import the configuration files to the system.

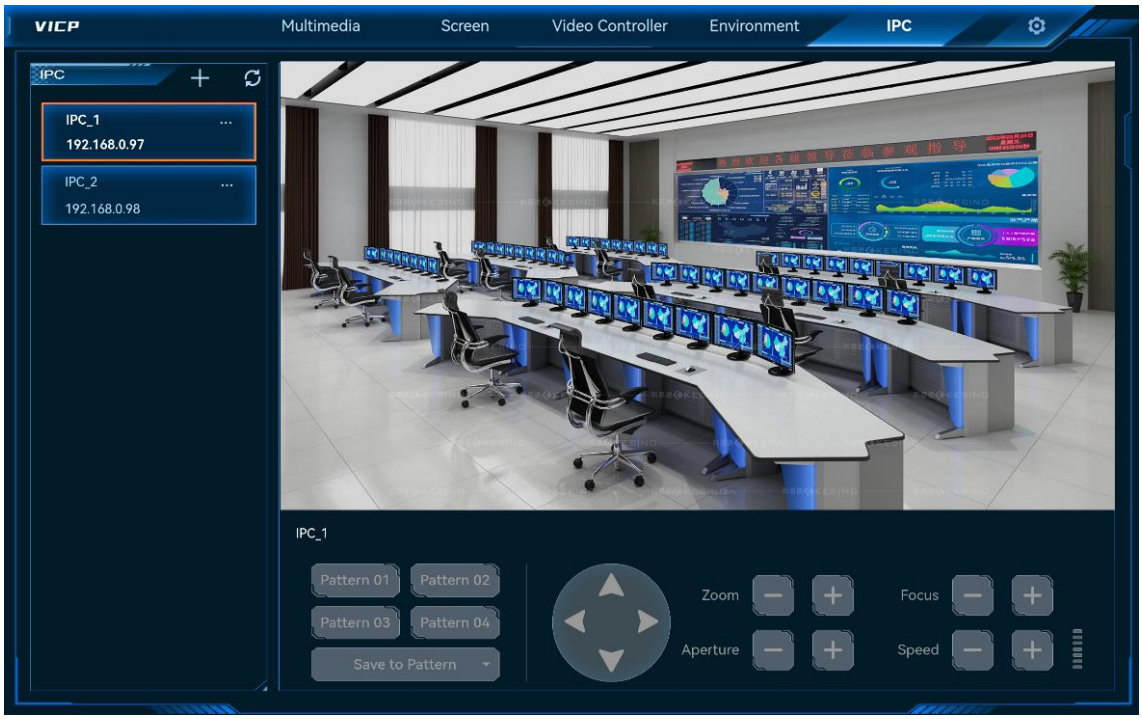
Figure 6-39 Environment control

6.7 IPC

The IPC function module allows you to control the IP cameras view the camera images within a monitoring system, including adjusting the lens zoom (ZOOM), focus (FOCUS), aperture (IRIS) and performing the camera pan/tilt operations.

On the main user interface, tap **IPC** to enter the IP camera control interface.

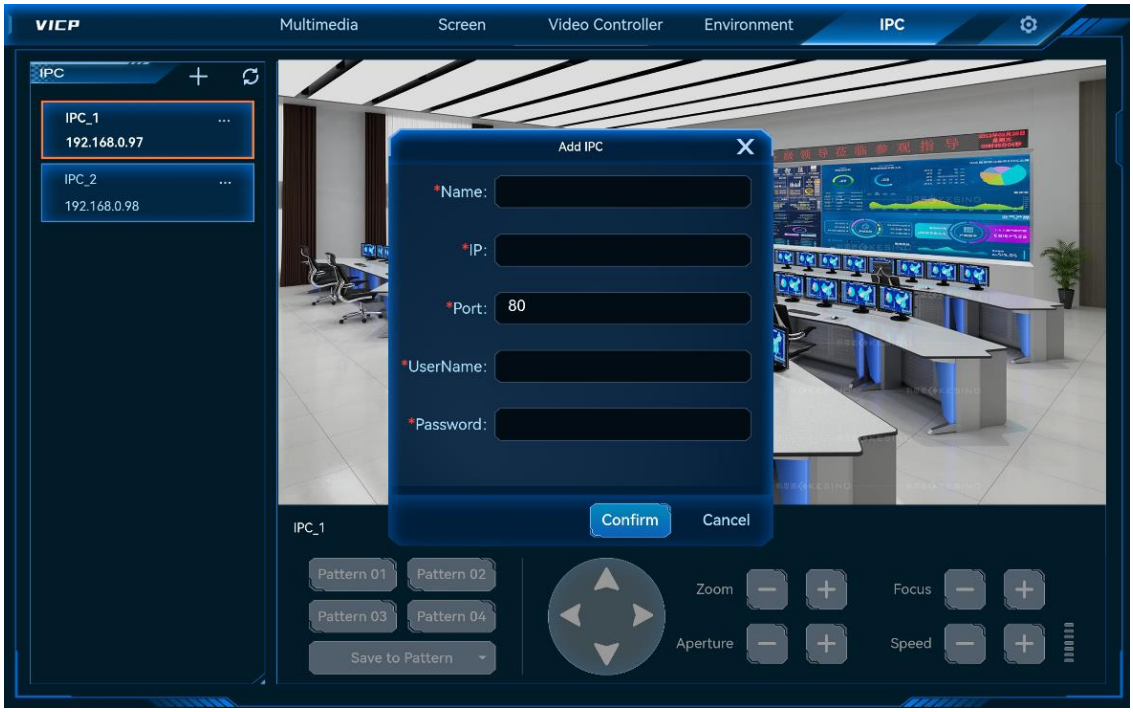
Figure 6-40 IPC management



6.7.1 Add IPC

Step 1 Tap + on the left to open the IPC adding window.

Figure 6-41 Add IPC



- Name: The IPC name must contain at most 20 English letters, numbers and special characters.

  It is recommended to use a name that is easy to identify, so that the camera can be quickly distinguished by the name in the future.

- IP: Enter the IP address of the camera.
- Port: Enter the port number of the camera. The default port is 80.
- User Name: Enter the user name for the login.
- Password: Enter the password matched with the entered user name.

Step 2 After all the blanks are filled, tap **Confirm** and the system will automatically connect and add the camera.

After the camera is added successfully, it appears in the IPC list on the left.

6.7.2 Control IPC

Step 1 Select the desired camera in the camera list.

The system interface displays the images captured by the current camera in real time.

Step 2 The camera control buttons are provided below the camera image. Tap the desired button to control the camera.

- : Adjust the camera shooting angle by tapping four buttons.
- Zoom: Adjust the focal length of the camera to obtain a clearer image.
  - : Zoom in the camera lens and the scene.
  - : Zoom out the camera lens and the scene.
- Focus: Set the camera focus to obtain a precise focus position to calibrate the focal length to ensure a clearer image.
  - : The nearby objects become clear and the distant ones gradually become blurred.
  - : The distant objects become clear and the nearby ones gradually become blurred.
- Aperture: Adjust the amount of light transmitted in the lens. If the aperture is too large, it will cause overexposure; if it is too small, it will cause underexposure.
  - : Decrease the aperture.

  - : Increase the aperture.
- Speed: Adjust the automatic rotation speed of the pan or tilt.
  - : Decrease the speed.
  - : Increase the speed.

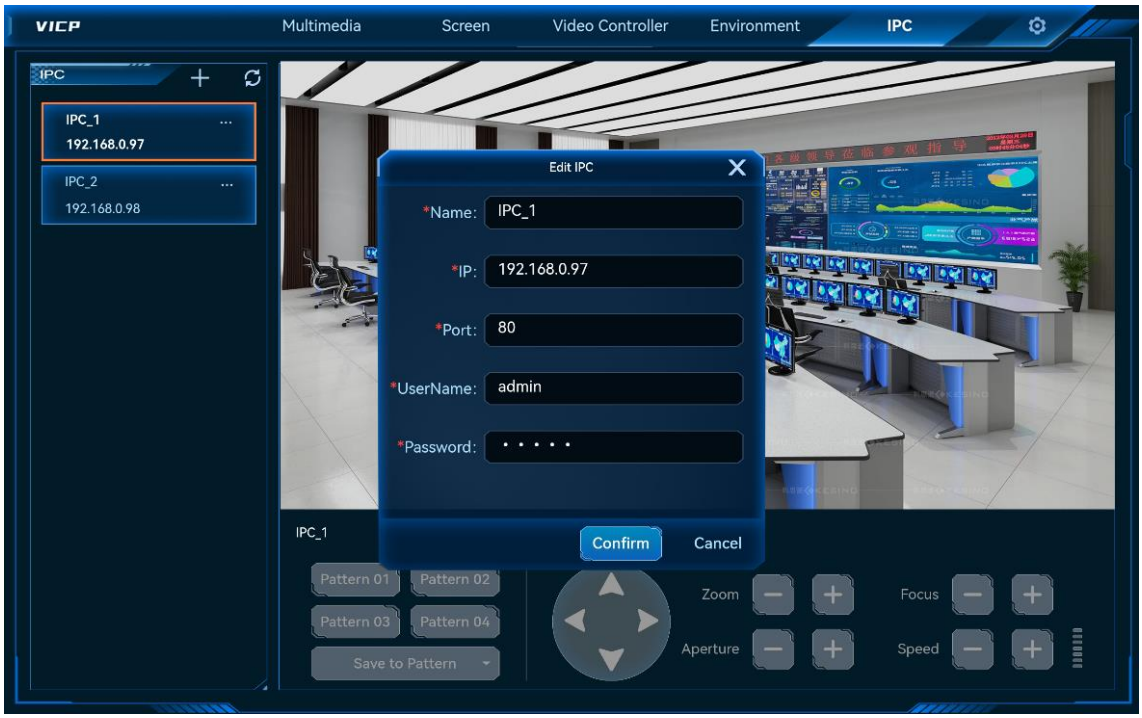
Step 3 (Optional) Tap **Save to Pattern** and select the desired pattern to save your settings as a pattern for easy use in the future.

6.7.3 Edit IPC

When the IPC parameters change, such as the camera IP, port, user name or password, the camera parameters need to be updated in time to ensure the correct control.

Tap **...** next to the desired camera name and then select **Edit** to open the camera editing window.

Figure 6-42 Edit IPC



Change the parameters as needed and tap **Confirm** to complete the editing.

6.8 Audio Control

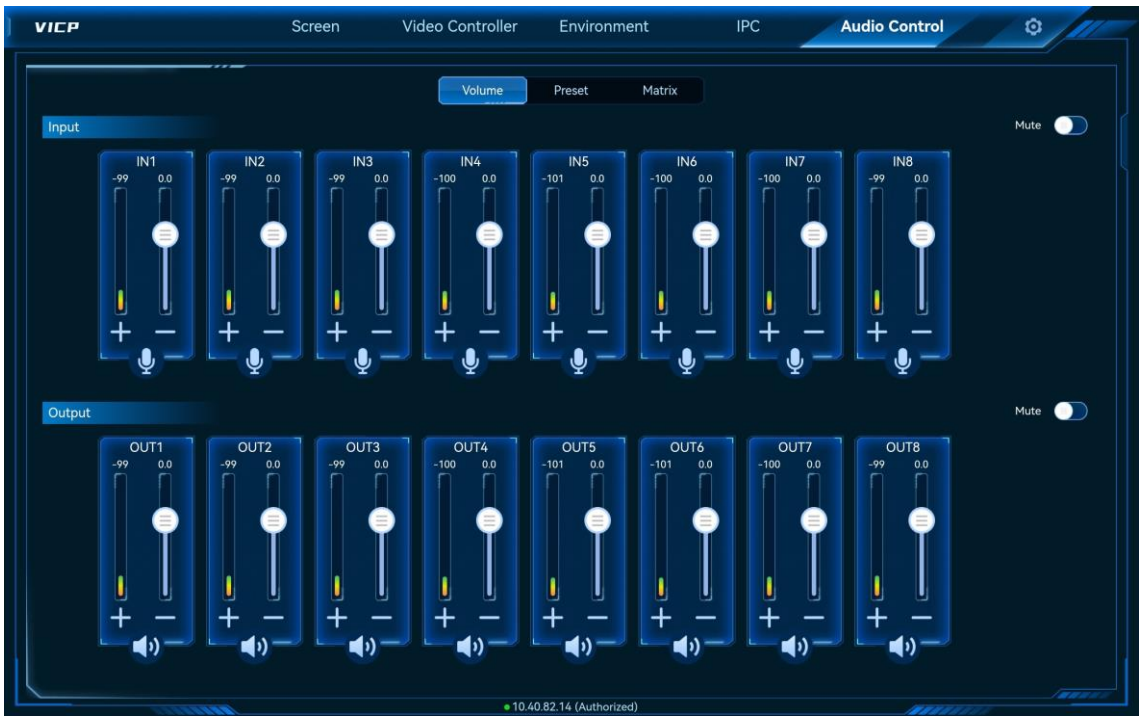
Adjust the system audio info, including the input and output volume as well as the audio matrix correspondence settings.

If you cannot see the **Audio Control** tab, just slide the menu bar to the left to show this menu tab.

6.8.1 Adjust Audio Volume

Step 1 Tap **Audio Control** to enter the audio control interface.

Figure 6-43 Audio volume control



Step 2 Move the slider block up or down to increase or decrease the audio volume.

- Toggle the switch next to **Mute** in the **Input** or **Output** area to make the inputs or outputs no sound.
- Tap  or  to show the next or previous page.

6.8.2 Load Presets

Load a preset to quickly adjust the output audio.

Prerequisites

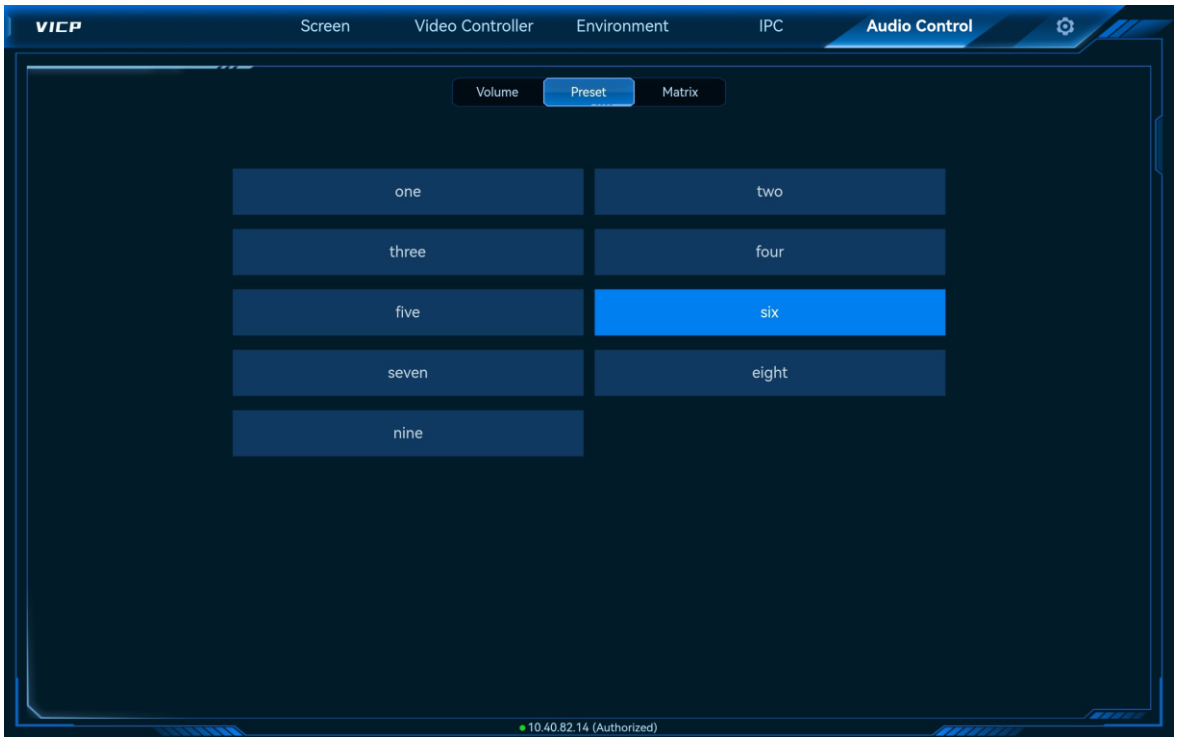
You have saved the preset to the audio processor.

Operating Procedure

Step 1 Tap **Audio Control** to enter the audio control interface.

Step 2 Tap the **Preset** tab to enter the audio preset interface.

Figure 6-44 Audio presets



Step 3 In the preset list, tap the desired preset to load it.

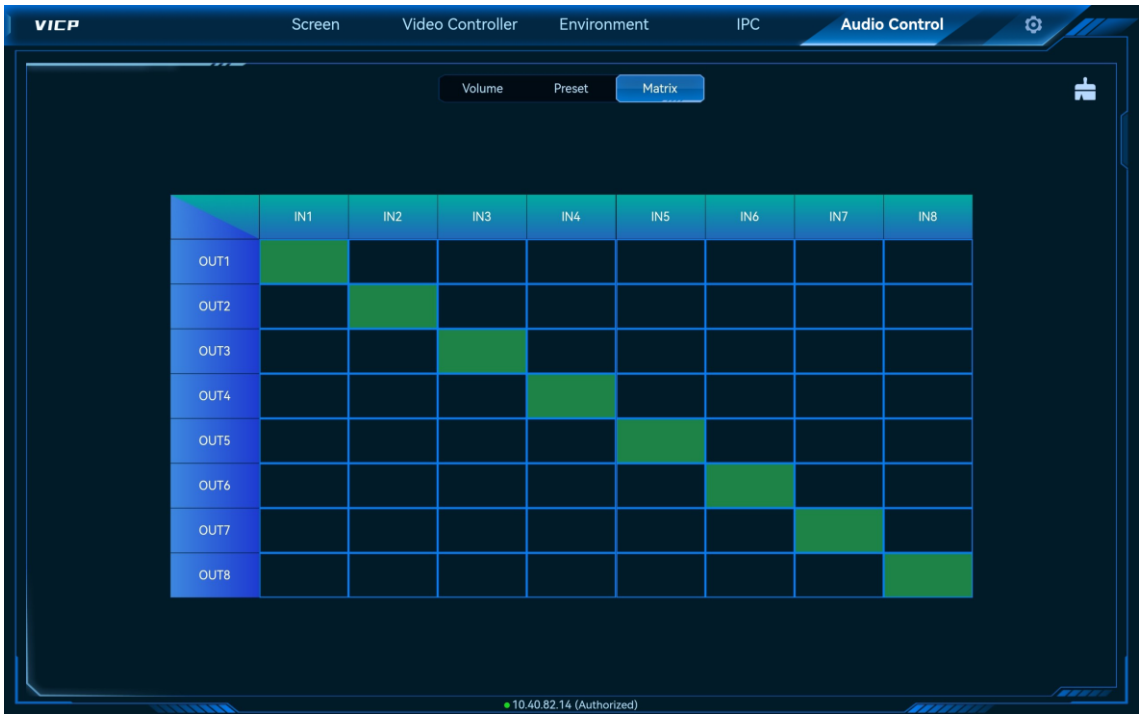
6.8.3 Configure Audio Matrix

Configure the correspondence relations between the input and output audio connectors.

Step 1 Tap **Audio Control** to enter the audio control interface.

Step 2 Tap **Matrix** to enter the audio matrix settings interface.

Figure 6-45 Audio matrix



Step 3 Double tap the matrix cells to relate or unrelate the inputs with the outputs.

Tap  at the top right to delete all the relations.

6.9 Signage

VICP allows you to perform the playback control over the following multimedia players on the current network segment.

- Multimedia player: TB30, TB40, TB50, TB60, LCB 4K, NS2K-40H, EMP200-40H
- LED playback control processor: TU15 Pro, TU20 Pro, SMP4 Pro, SMP6 Pro, TU40 Pro
- Kompass FX0

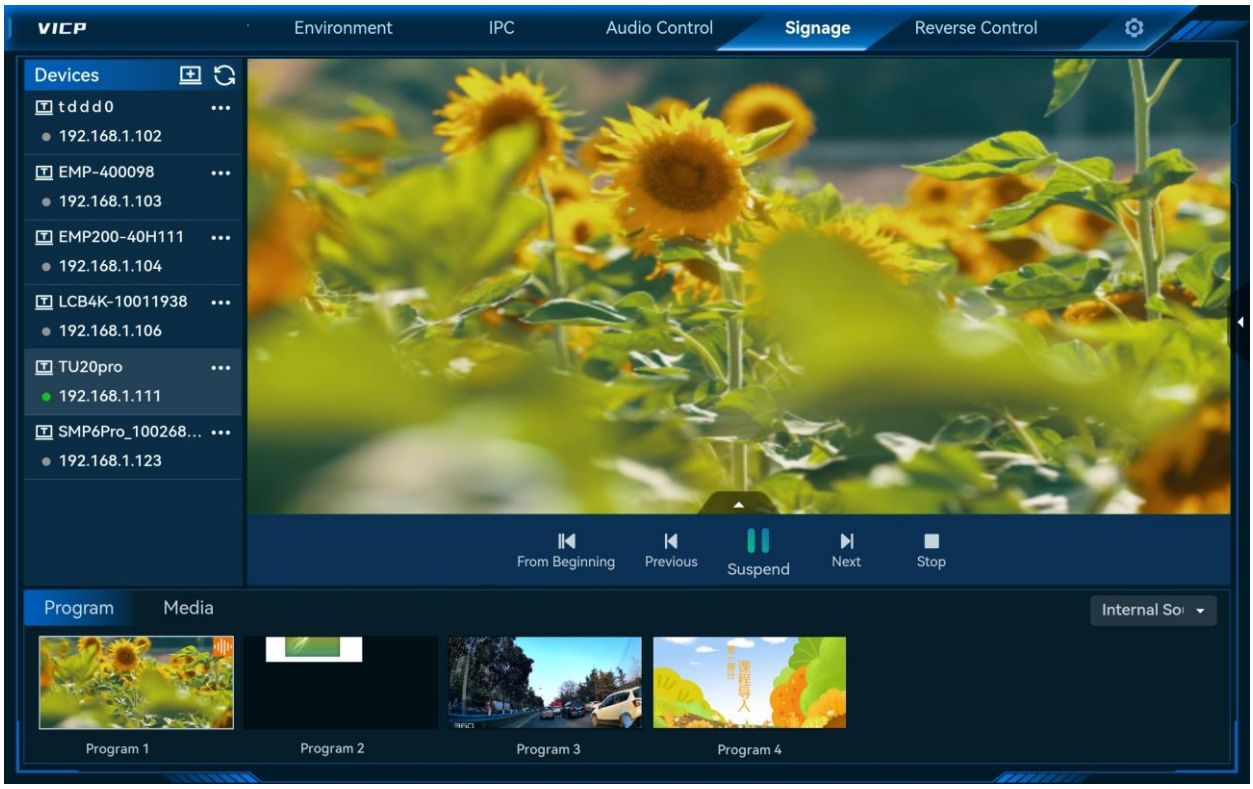
Prerequisites

- The multimedia player or Kompass FX0 and VICP are on the same network segment.
- You have published the programs and made the program schedules via the multimedia player.

- You have obtained the user name and password for logging into the multimedia player and LED playback control processor. The default user name is "admin" and the default password is " SN2008@+".
- You have added Kompass FX0 in VIMP.

  Slide the menu bar to show the **Signage** menu tab. Tap it to enter the signage interface and the system will automatically search for the multimedia players on the current network segment and display them in the device list on the left.

Figure 6-46 Signage



In the device list on the left, the icon next to the device name indicates the device type.

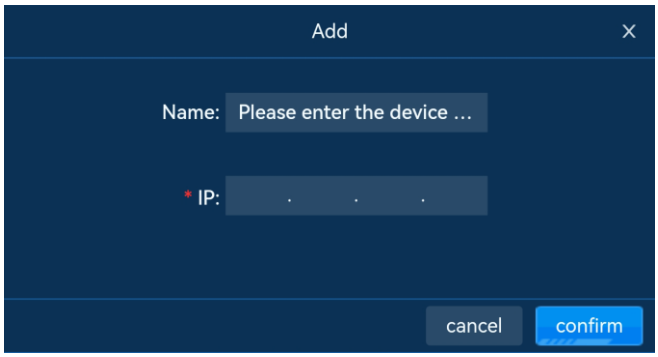
- : Multimedia player
- : Kompass FX0

6.9.2 Add Devices

The device can be added automatically or manually.

- Add automatically: Tap to refresh the device list and the devices on the current network segment will be automatically searched and added.
- Add manually: Tap next to **Devices** to open the device adding window.

Figure 6-47 Add devices



5. Enter a name for the new device.
6. Manually enter the device IP address.

   If you add a multimedia player or LED playback control processor, the device will be automatically added to the device list. The system will automatically log into the device if the default user name and password are used; if not, you need to tap the device and enter the user name and password for login.

6.9.3 Control Single Device

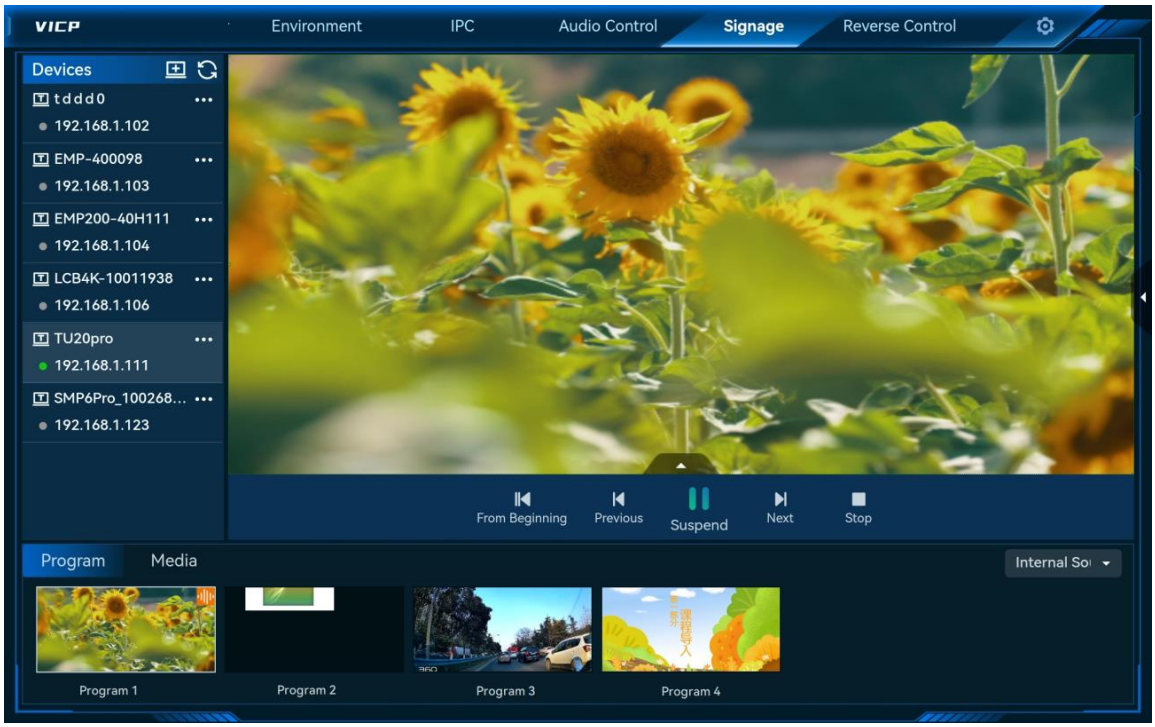
Step 1 Tap the desired multimedia player in the left device list.

Note:

The system will automatically log into the multimedia player or LED playback control processor if the default user name and password are used; if not, you need to tap the desired device and enter the new user name and password for login.

Step 2 After a successful login, all the programs of the current multimedia player are displayed in the **Program** area. Tap the desired program to play it.

Figure 6-48 Multimedia players



Control Playback

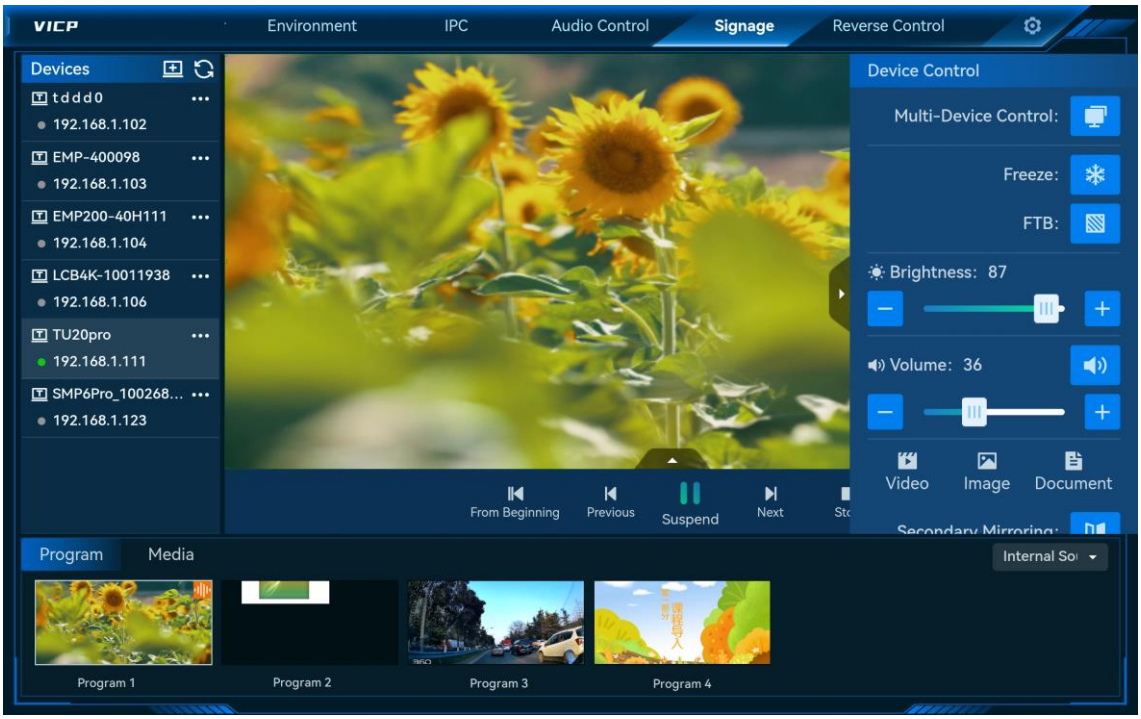
Use the icons at the bottom of the playback area to control the program playback.

- Play: Play the program.
- Pause: Pause the program playback.
- Stop: Stop the program playback.
- From Beginning: Play the first program in the media library.
- Previous: Play the previous program.
- Next: Play the next program.

Other Control Operations

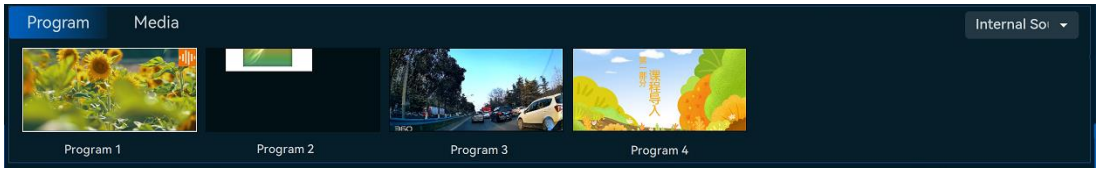
Tap  on the right edge to expand the device control pane.

Figure 6-49 Device control



- If the controlled device is a multimedia player. The following operations are supported.
  - Freeze: Freeze the current played frame of the output image.
  - FTB: Make the output image fade to black.
  - Brightness: Adjust the overall brightness of the output image.
  - Mirroring: Tap **Video**, **Image** or **Document** to send the corresponding media file to the screen.
  - Secondary Mirroring: Tap the icon to enter the operation interface of the LED playback control processor and operate the device.
- Volume: Adjust the media volume.
  - In the **Volume** area, drag the slider block or tap  to adjust the output volume.
  - Tap  to mute or unmute the media.
- If the controlled device is an LED playback control processor or Kompass FX0, you can search for the desired media according to the media type.

Figure 6-50 Search for media according to media type



- If the controlled device is an LED playback control processor, tap the **Media** tab to display the media list. Tap **All Media** and select the desired media from the drop-down list, and the media of the selected type will be displayed. Tap **Internal Source** to view the imported media or external media.
- If the controlled device is Kompass FX0, the following operations are supported.

  View media by category: Tap **All Media** and select the desired media type from the drop-down list. The added media of the selected type will be displayed.

  Adjust the media sequence: Tap **Sequence** on the left, tap and hold the desired media, and then move it to the target position to quickly adjust the sequence.

Device Menu

In the device list, tap ••• next to the desired device to show the device control menu.

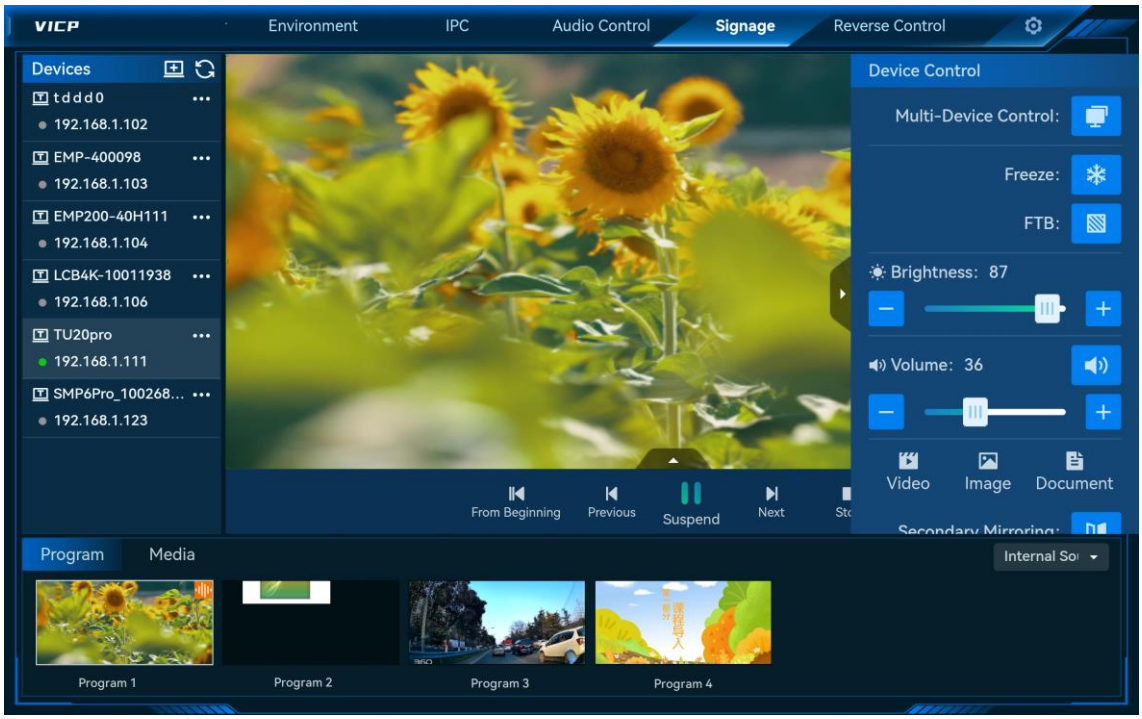
- If the controlled device is an LED playback control processor or multimedia player, you can rename and log out of the device.
- If Kompass FX0 is controlled, the following operations are supported.
  - Disconnect: Disconnect Kompass FX0 and cancel control of it.
  - Hide/Show Player: Hide or show the playback interface of Kompass FX0.
  - Playback Mode: Set the playback mode of Kompass FX0. The supported options include **Repeat All**, **Repeat in Order** and **Repeat One**.

6.9.4 Control Multiple Devices

This function supports the control of Kompass FX0 only.

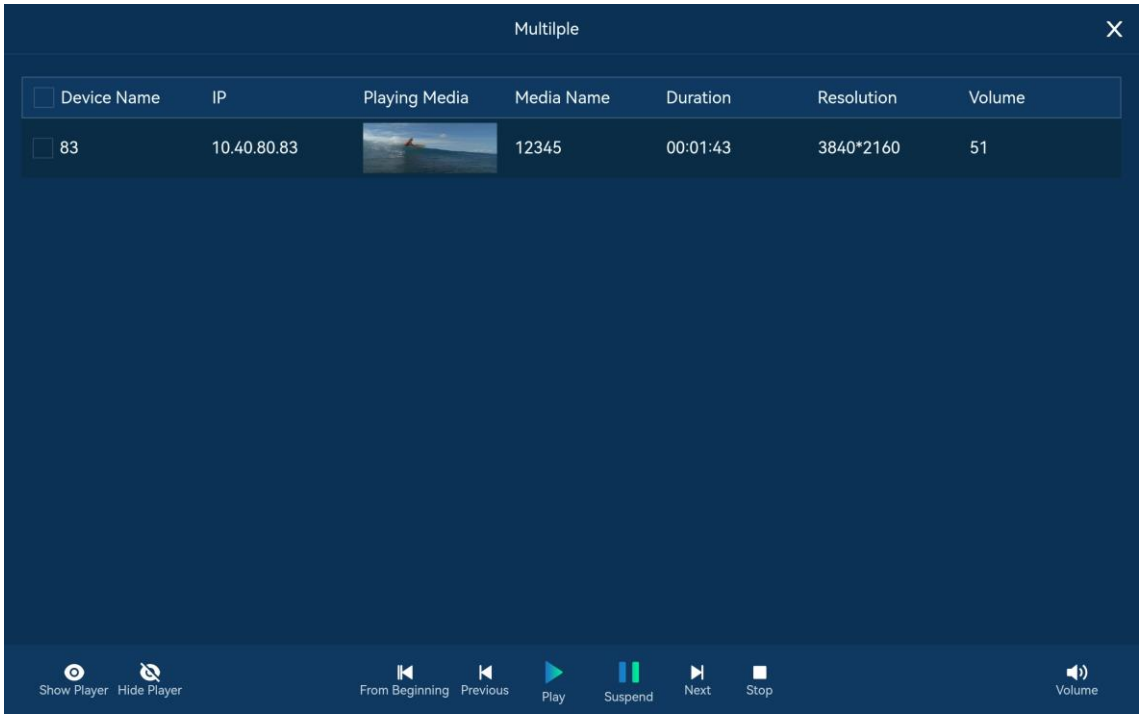
Step 1 On the signage interface, tap  on the right edge to expand the device control pane.

Figure 6-51 Control multiple devices



Step 2 Tap  next to **Multi-Device Control** to enter the corresponding interface.

Figure 6-52 Control multiple devices



Step 3 Check the boxes next to the desired devices.

Step 4 Control the playback of the selected devices via the control icons at the bottom.

- Show Player: Show the playback interface of Kompass FX0.
- Hide Player: Hide the playback interface of Kompass FX0.
- Play: Play the media.
- Pause: Pause the media playback.
- Stop: Stop the media playback.
- From Beginning: Play the first media in the media library.
- Previous: Play the previous media.
- Next: Play the next media.
- Volume: Adjust the output volume.

6.10 Reverse Control

Prerequisites

- The input source PC must have the program package installed. The installed program is shown as **KVM**.

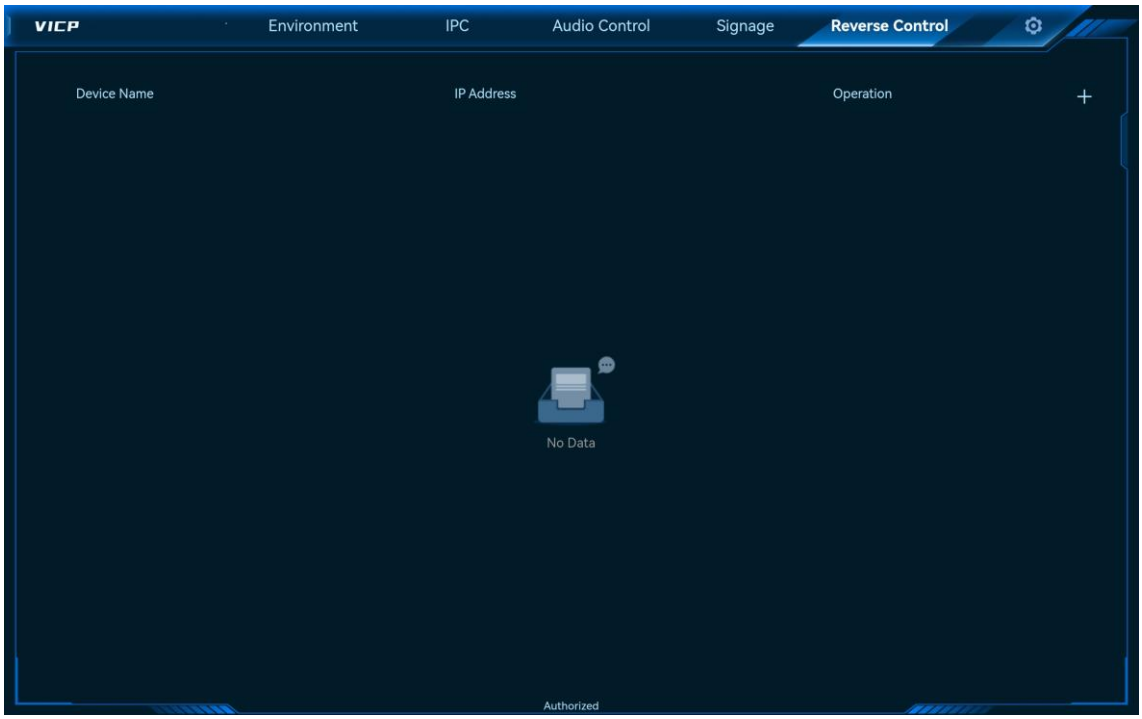
  The program package can be downloaded on the help page of VIMP. Before enabling the reverse control, you need to double click **KVM** on the input source PC to restart the remote control service.
- The input source PC and VIMP are on the same network.

Operating Procedure

Step 1 Slide the menu bar to show this menu tab.

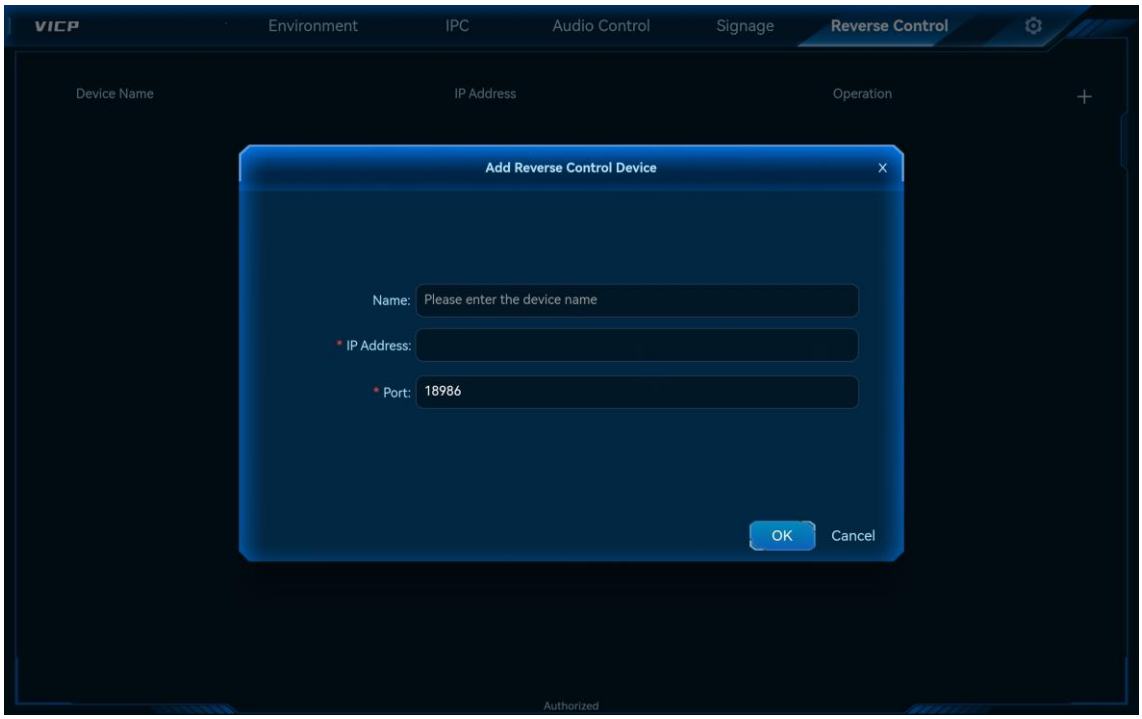
Step 2 Tap it to enter the reverse control interface.

Figure 6-53 Reverse control



Step 3 Tap **+** at the top right corner to open the **Add Reverse Control Device** window.

Figure 6-54 Add reverse control devices

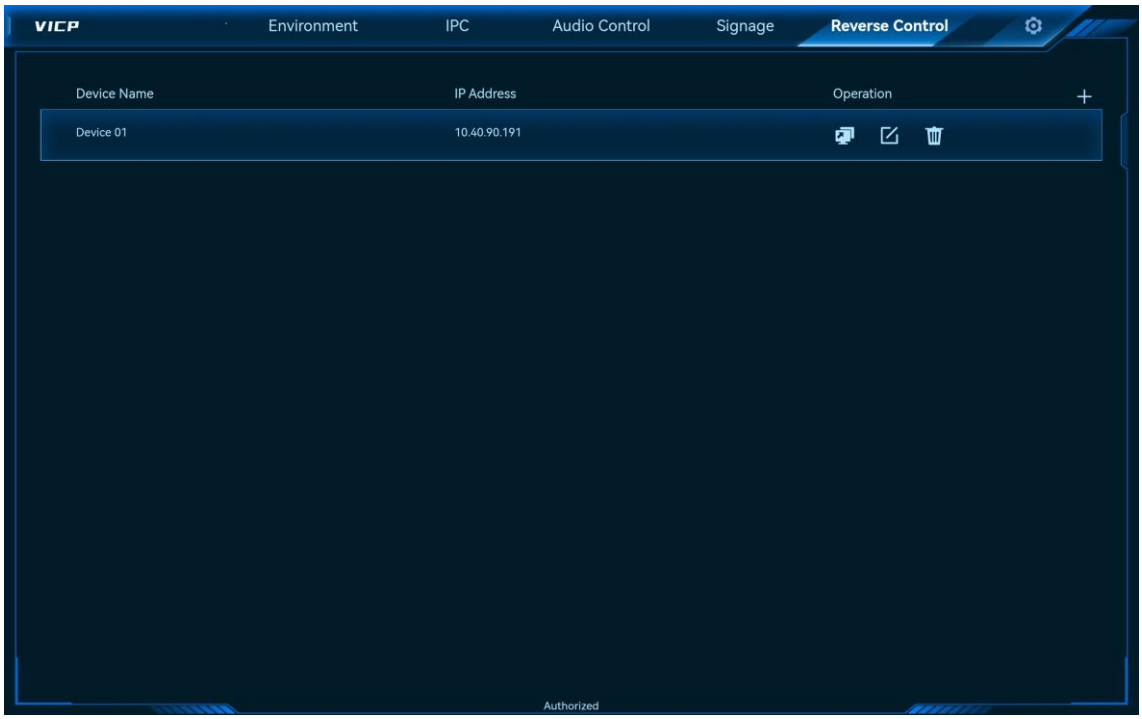


Step 4 Enter the device name, IP address and port number.

The default port number is 18986. If this port number is in use, you can change to another one.

Step 5 Tap **OK** to complete the adding.

Figure 6-55 Reverse control device added successfully



Step 6 Tap to enter the desktop of the input source PC.

- Tap to open the **Edit Reverse Control Device** window.
- Tap to delete the target device.

7 Visual Integrated Management Platform

7.1 Log into VIMP

Prerequisites

- You have connected the hardware of all the devices.
- You have connected the tablet PC on the network where the VIMP server is located.
- You have obtained the IP address, user name and password of VIMP
- You have configured the devices, signals and video walls in VIMP.

Operating Procedure

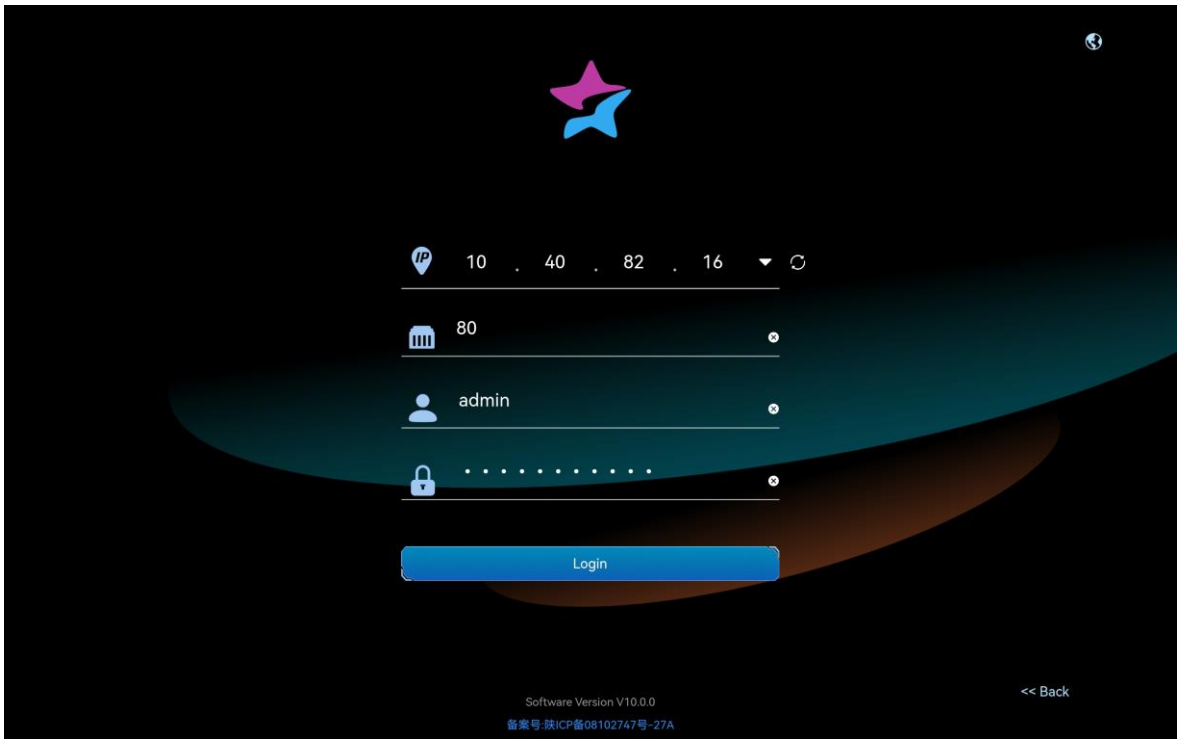
Step 1 Tap **VICP** to run the app.

Step 2 Tap **Visual Integrated Management Platform** to enter the login interface.

Step 3 As shown in Figure 7-1, enter the IP address, port number, user name and password respectively, and then tap **Login**.

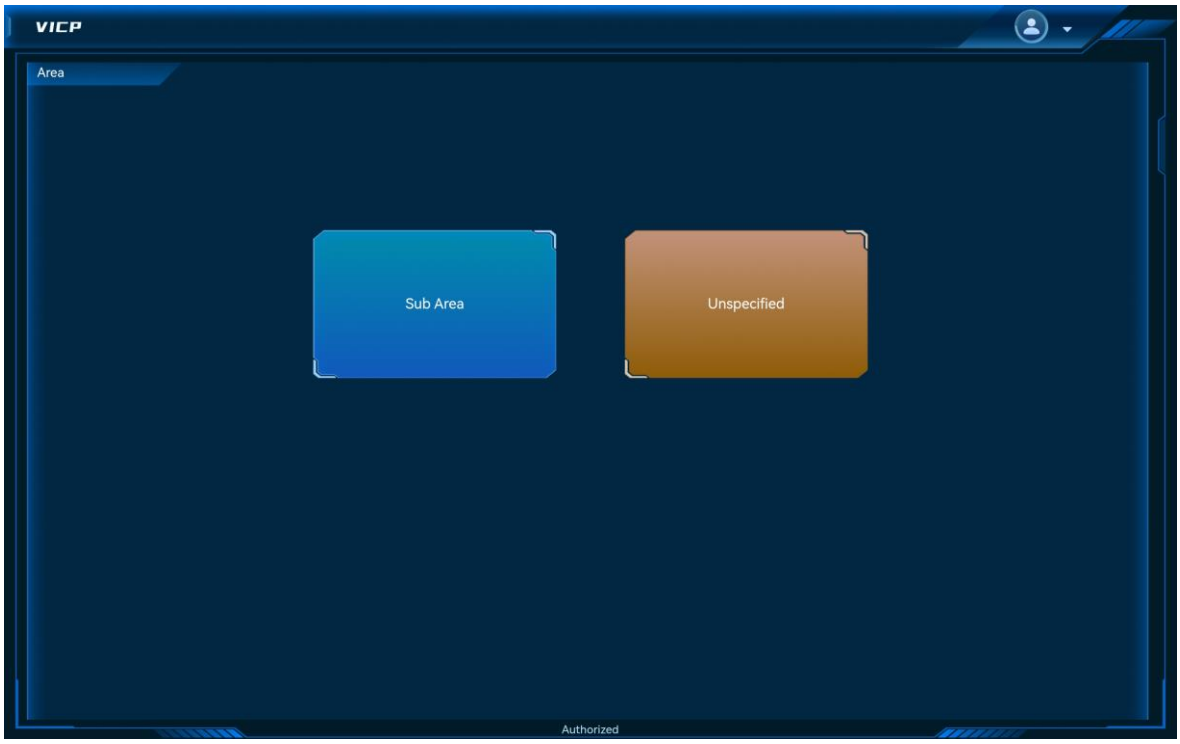
The default port number, user name and password are "80", "admin" and "password123".

Figure 7-1 Login interface



Step 4 After a successful login, tap the desired area from the area list to enter the matched screen control interface.

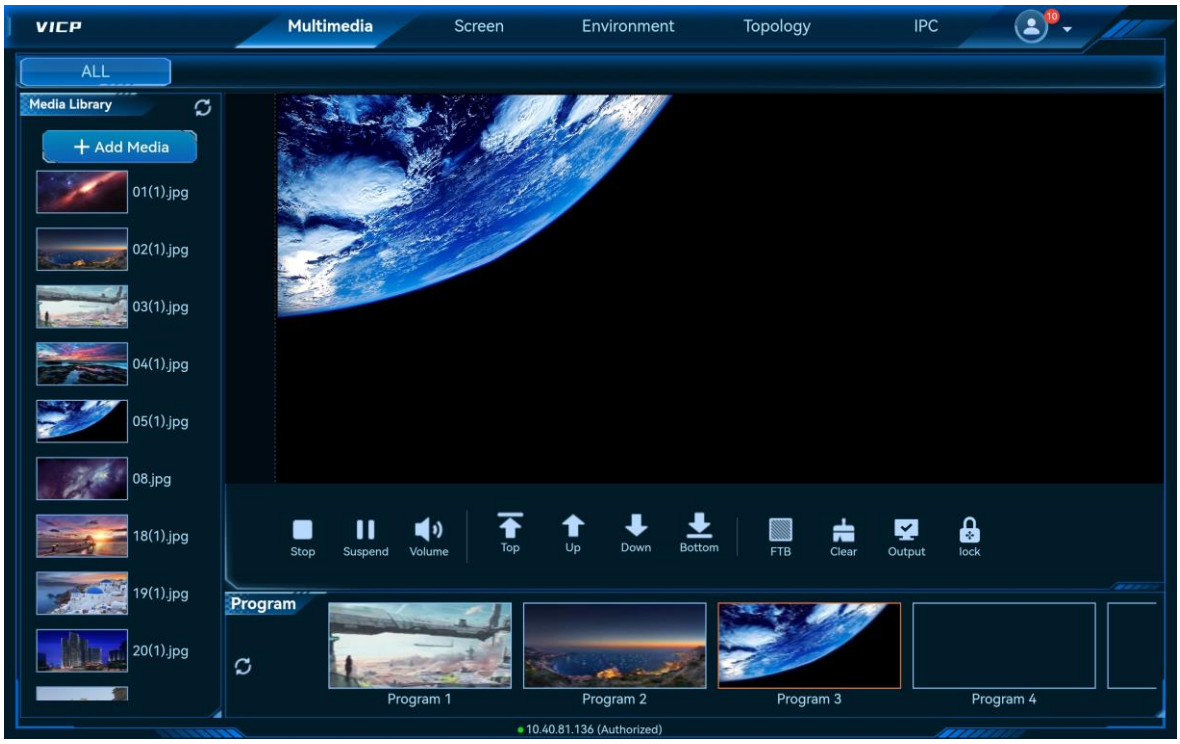
Figure 7-2 Operation area setting



If the area is not configured in VIMP, the prompt "**Unspecified**" is shown here.

The system will enter the screen control interface of the matched area.

Figure 7-3 Interface after login



After a successful login, the system will automatically record the current login information. You can directly select the corresponding IP address at next login, and then the port number, user name, password will be automatically added.

Related Operations

- Tap  at the top right and select **Log Out** from the drop-down list to log out of the system if needed.
- After you log into the system, tap VICP at the top left to return to the area selection interface.
- You must change the password following the prompts on first login.

7.2 Configure Login Mode

The system supports fingerprint and face recognition for quick login.

Prerequisites

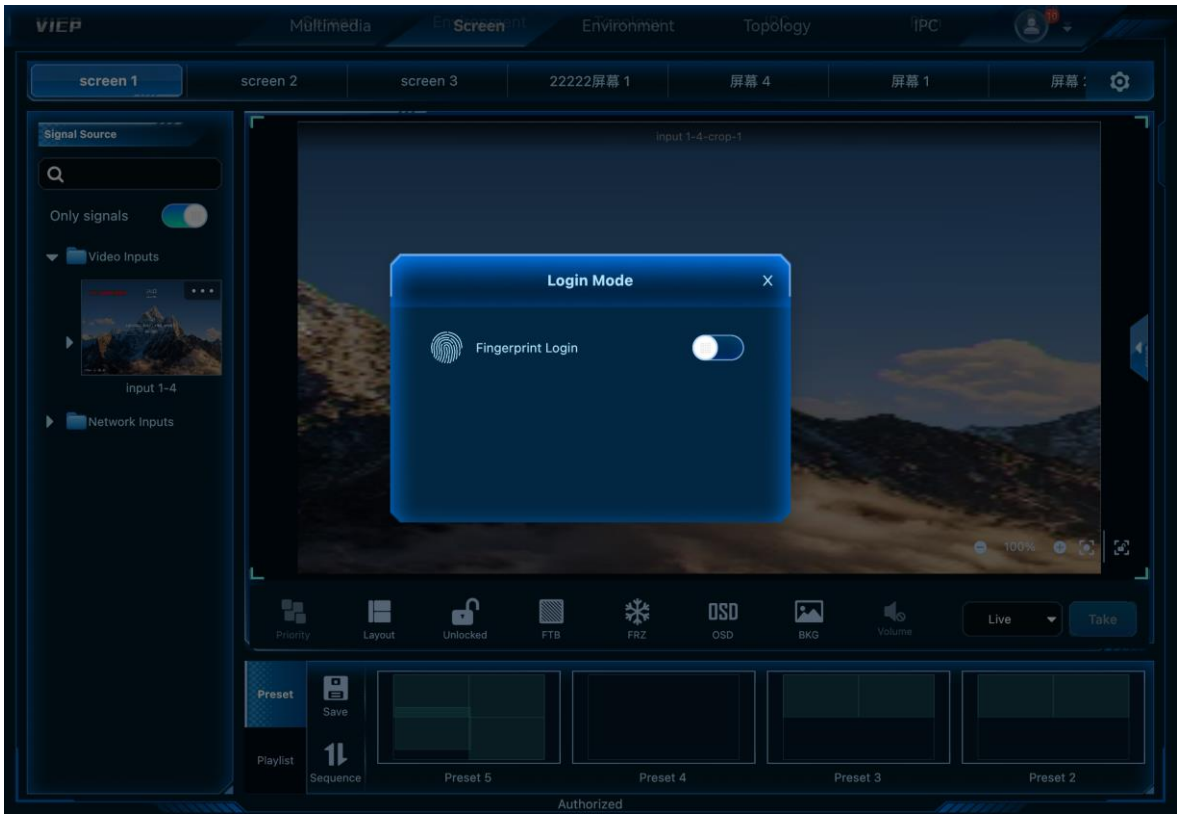
- The information of fingerprint or face recognition have imported to the tablet PC.
- You have logged into VIMP.

Operating Procedure

Step 1 Tap at the bottom right and select **Login Mode** from the drop-down list to open the Login Mode window.

The system will automatically detect the used biometric login mode. The login mode options include fingerprint and face recognition.

Figure 7-4 Login mode



Step 2 Toggle the switch next to **Fingerprint Login** to enable the fingerprint login.

After enabled, you need to verify your fingerprints.

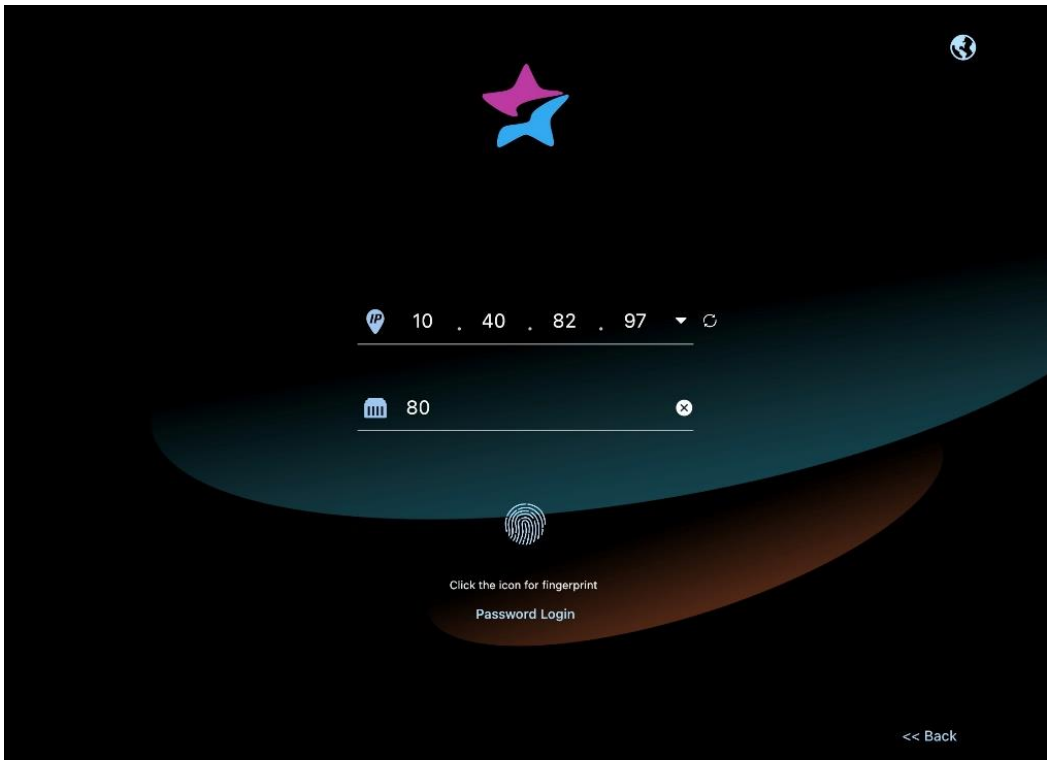
Step 3 Put your finger used to save fingerprints on the recognition area to verify the fingerprints. After a successful verification, the fingerprint login is enabled.

Figure 7-5 Fingerprint login enabled

Step 4 Close the **Login Mode** window to complete the configurations.

After the fingerprint login is enabled, the login mode will automatically switch to fingerprint at next login.

Figure 7-6 Fingerprint login



Tap the fingerprint icon shown on the login interface and use the imported fingerprints to log into VICP.

Notes:

- The face recognition is enabled in the same way as the fingerprint.
- Tap **Password Login** at the bottom, and then enter the user name and password for login.

7.3 Multimedia

You can edit the programs saved in the media server and control playback.

Prerequisites

- The multimedia playback software that is built in the media server runs normally and the port listening is enabled.

  For how to enable the port listening, please refer to 9.2 How to get the port number of the media server?

- You have configured the output area and imported the media files to the multimedia playback software.
- You have added the online media server in VIMP.

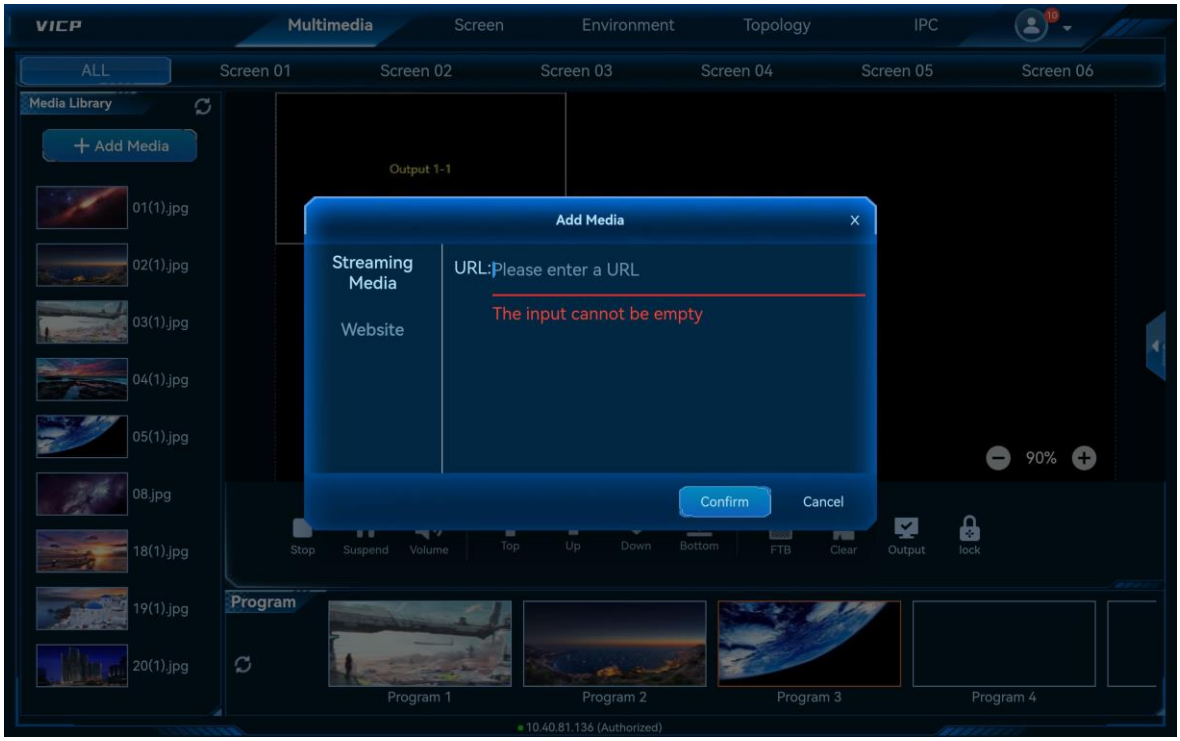
7.3.1 Add Media

You can add streaming media and website pages in VICP.

7.3.1.1 Add Streaming Media

Step 1 Under **Media Library** area, tap **Add Media** to open the window for adding streaming media.

Figure 7-7 Add media



Step 2 Enter the media URL address in the URL field.

The path must begin with "rtsp://", "rtmp://", "http://" or "https://".

Step 3 Tap **Confirm** once you are done.

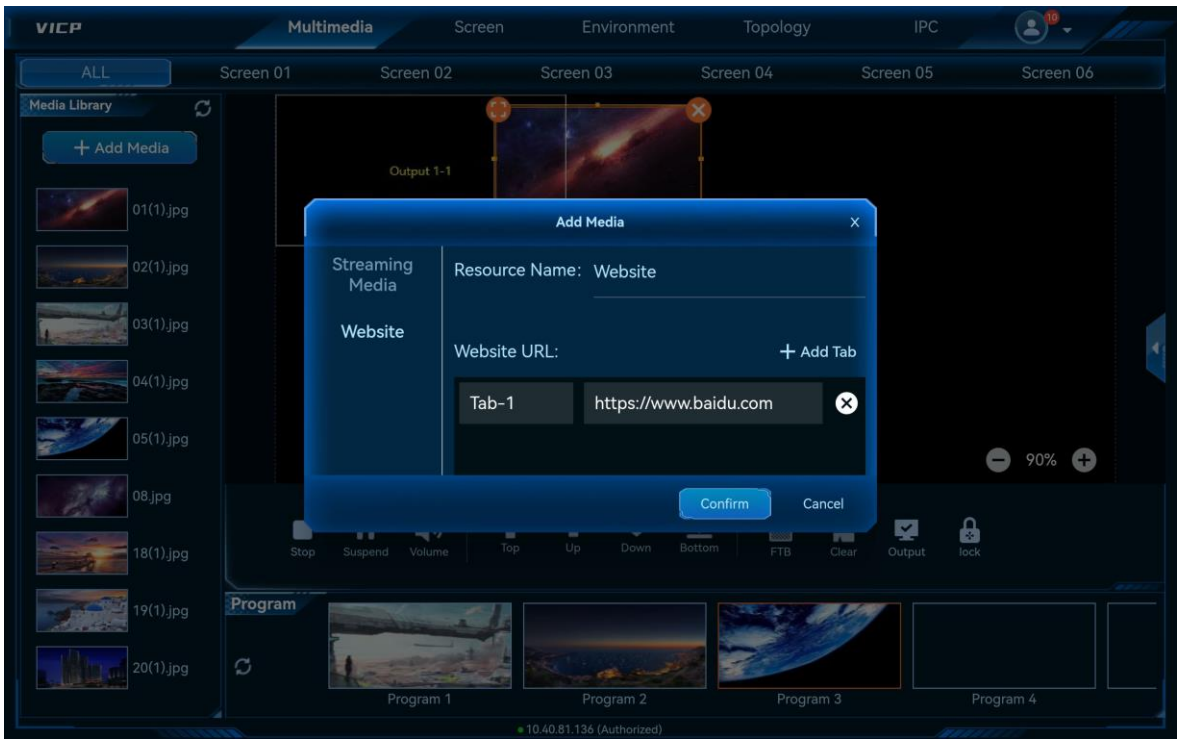
The system will automatically use the streaming media URL as the default media name. However, you can easily change the name within the **Media Library** section of the multimedia playback control software.

7.3.1.2 Add Website Pages

Step 1 In the **Media Library** area, tap **Add Media** to open the window for adding streaming media.

Step 2 Tap **Website** on the left to enter the interface for adding website pages.

Figure 7-8 Add website pages



Step 3 Enter the name of the website in the **Resource Name** field.

Step 4 Enter the tab name in the left text box below **Website URL**.

Step 5 Enter the website URL in the right text box below **Website URL**.

Step 6 [Optional] Tap **Add Tab** to add more tab pages.

Step 7 Tap **Confirm** once you are done.

If the added webpage media has multiple tab pages, you need to change the playback tab in the multimedia playback control software after you add the media to the program.

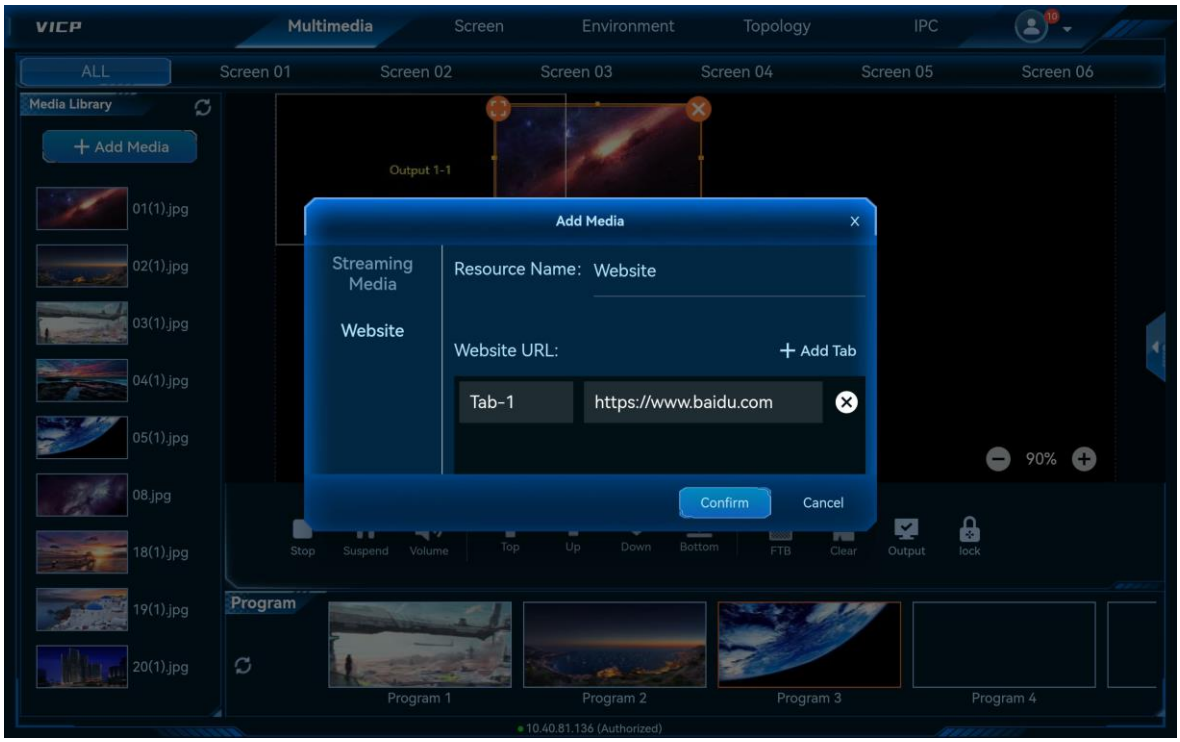
7.3.2 Add Layers

Step 1 In the **Program** area, tap the desired program.

Step 2 In the **Media Library** area, select the desired media file by sliding up or down the media list.

Step 3 Tap and hold the media and then drag it to the stage area to add or switch the media for the target layer.

Figure 7-9 Add layers



7.3.3 Edit Layer Properties

The layer properties include the layer size, position, priority and playback.

Quick Editing

In the stage area, tap the target layer. After a layer is selected, four quick operation buttons appear at four corners of the layer.

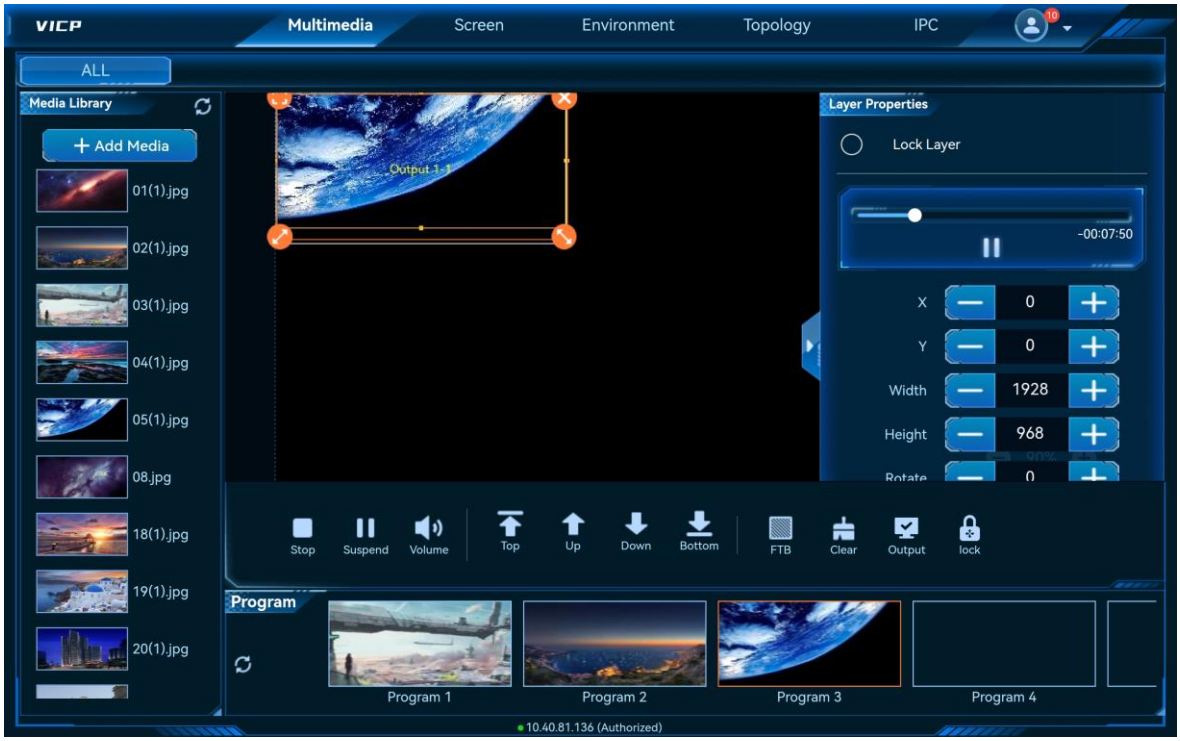
- : Tap the icon to make the layer fill the output connector.

- : Tap and hold the icon, and then drag it to change the layer size. The position of the top left corner of the layer remains unchanged.
- : Tap and hold the icon, and then drag it to change the layer size. The position of the top right corner of the layer remains unchanged.
- : Tap the icon to delete the layer.
- Tap and hold the layer, and then drag it to quickly adjust its position.

Precise Editing

In the stage area, tap the desired layer and then tap on the right edge to expand the layer properties pane.

Figure 7-10 Layer properties



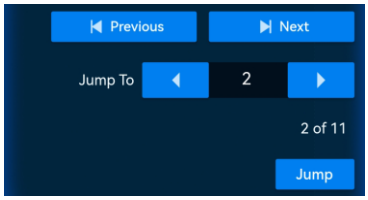
- Lock: Once the layer is locked, you will no longer be able to control playback, adjust its size, volume, or change the layer order in the **Layer Properties** section.
- Playback control
  - Tap or to play the media or pause the media playback.
  - Drag the slider block to control the playback progress.
- Position and size adjustment

Adjust the position and size of the layer by either tapping + or − for fine adjustments or directly entering the exact values in the text boxes.

- X: Adjust the initial horizontal position of the layer.
- Y: Adjust the initial vertical position of the layer.
- Width: Adjust the layer width.
- Height: Adjust the layer height.
- Rotate: Rotate the layer image clockwise with the layer center as the rotation point. The value range is 0–360.

- Volume control
  - : Turn on the layer sound, and adjust the volume by either tapping **+/-** or dragging the slider block.
  - : Turn off the layer sound.
- Lock aspect ratio

  Select whether to lock the aspect ratio of the selected layer during the adjustment.
- Playback control over PowerPoint files



  - Previous: Tap the icon to view the previous page.
  - Next: Tap the icon to view the next page.
  - Jump: Enter a page number in the text box and tap **Jump** to jump to the specified page.

7.3.4 Delete Layers

Step 1 In the **Program** area, tap the desired program.

Step 2 Tap the target layer.

Step 3 Tap at the top right of the layer to delete it.

7.3.5 Switch Layer Media

Step 1 In the **Program** area, tap the target program.

Step 2 In the **Media Library** area, select the desired media file by sliding up or down the media list.

Step 3 Tap and hold the media and then drag it to the center of the target layer to replace the existing media.

7.3.6 Play Programs

In the **Program** area, tap the desired program to play and switch it.

7.3.7 Playback Control

In the **Program** area, double tap the desired program to play and control it.

- Stop: Stop the program playback.
- Play: Play the selected program.
- Suspend: Pause the program playback.
- Volume: Tap the icon to show the volume adjustment bar and then drag the slider block to adjust the volume.
- Top: Bring the layer to the front.
- Up: Move the layer one level up.
- Down: Move the layer one level down.
- Bottom: Send the layer to the back.
- Output: Enable or disable the media server outputs.
- Switch media servers: Tap **Multimedia** and then tap  next to the desired media server to switch to it.

7.4 Screen

7.4.1 Add Layers

Add layers on the screen, adjust the layer position, size, priority and perform other operations.

Prerequisites

- You have added and configured the screen on the video wall management page in VIMP.
- You have configured the network sources in VIMP.

Operating Procedures

Step 1 On the main interface, tap **Screen** to enter the screen control interface.

Step 2 Tap a video wall name to select the desired video wall.

Step 3 Tap and drag an input source in the signal list on the left and drag it to the screen to add a layer.

Figure 7-11 Screen control interface

The color of the wall name indicates that the screen is loaded by different devices.

- White: The screen is loaded by the video wall splicer. The highlighted wall name icon indicates that the wall is being operated.
- Green: The screen is loaded by the distributed decoding nodes.
- 3D: The 3D icon displayed next to the wall name indicates that the 3D function is enabled.

Step 4 Select **Live** or **Pre-Edit** from the drop-down list below the screen editing area.

- Pre-Edit: The layer editing process is not displayed on the LED screen. Tap **Take** after the layer editing is completed to send the layer images to the screen.
- Live: Display the layer editing process on the LED screen in real time.

Step 5 Tap to select a layout.

The added layers will fill the whole screen according to the layout you selected. If you do not select a layout, the added layers will be arranged according to the connector order of the loaded screen.

Note:

If you have saved some preset, tap an preset thumbnail to load the configuration data and then make adjustment if needed.

Step 6 Adjust the layer size and position.

- Precise adjustment

  Tap the desired layer and then tap  on the right edge to expand the layer properties pane.

Figure 7-12 Layer properties

- X: Set the initial horizontal position of the layer, that is, the horizontal offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Y: Set the initial vertical position of the layer, that is, the vertical offset from the top left corner of the layer to the top left corner of the screen. The unit is the pixel.
- Width: Set the layer size in the horizontal direction. The unit is the pixel.
- Height: Set the layer size in the vertical direction. The unit is the pixel.

- Quick adjustment

  After a layer is added successfully or you tap a layer, four function icons appear at four corners of the layer, allowing for quick adjustment.

  - : Tap this icon to make the selected layer fill the output connector.
  - : Tap and hold the icon, and then drag it to change the layer size. The position of the top left corner of the layer remains unchanged.
  - : Tap and hold the icon, and then drag it to change the layer size. The position of the top right corner of the layer remains unchanged.
  - : Tap the icon to delete the layer.
  - Drag the layer to quickly adjust its position.
  - Pinch to zoom to quickly adjust the layer size.

- Mark: When configuring the reverse control for the signal, you can operate and control the desktop of the input source PC.
- Lock Layer: Set whether to lock the selected layer.
- Volume: When the splicer supports the output volume, you can turn on/off the volume of the selected device. After the volume is turned on, you can tap the volume icon to adjust it.
- IPC Signal Source: View the decoding status, streaming media and decoding details of the IPC signal as well as resource details of the IP input card of the video wall splicer.
- Voice Intercom: Turn on the audio of the IPC signal. After the audio is turned on, you can communicate with the IP camera end. This function is available when the IP camera supports voice intercom.

Step 7 Tap and drag other input sources in the signal list on the left and drag them to the screen to add other layers.

Other Layer Operations

- Switch the layer input sources.

  Select the target source and drag it to the layer to switch the layer input source. The layer size remains unchanged.

- Filter the input sources.

  Toggle the switch next to **View inputs with signals only** and then the system will only display the input sources accessed with signals.

- Delete the layers.
  - Tap at the top right corner to delete the layer.
  - Quickly drag the layer out of the screen editing area.
- Clear the layers.

  Tap in the control area to clear all the layers on the current screen.

- Adjust the layer priority.
  - Tap **Priority** > **Top** to bring the selected layer to the top.
  - Tap **Priority** > **Bottom** to send the selected layer to the bottom.
  - Tap **Priority** > **Up** to bring the selected layer forward.
  - Tap **Priority** > **Down** to send the selected layer backward.
- Lock/Unlock the screen.

Tap to lock the current screen. Tap to unlock the layers on the screen.

- Enable/Disable the **FTB** function.

  Tap to make the screen fade to black. Tap to disable the fade to black setting. If enabled, the output image will fade to black and the input image is displayed normally.

- Freeze/Unfreeze the layer.

  Tap to freeze the current output image. Tap to unfreeze the output image. If enabled, the current frame of the output image is frozen and the input image is displayed normally.

- Adjust the screen brightness.

  For the screen loaded by the all-in-one cards or all-in-one distributed processors, you can adjust its brightness. Tap to show the brightness adjustment bar and then drag the slider block to adjust the brightness. Tap **Save** to save the brightness parameter to the receiving card.

- Enable/Disable the BKG function.

  Tap to enable the BKG function. Tap to disable the BKG function.

  To perform this operation, make sure you have configured the BKG for the device on the Web control page.

- Adjust the output volume.

  When the distributed system is used as the control device, tap to adjust the output volume.

If the H_2xAudio input+2xAudio output card is installed on an H series device, you can set the input and output audio.

- : Set the input audio.
- : Set the output audio.

7.4.2 Manage Presets

Add a new preset as well as rename, overwrite and delete the added preset.

7.4.2.3 Add Presets

You can save the current layer layout and screen information as a preset to quickly arrange the layer by loading the preset in the future.

Step 1 Tap **Save** next to the preset list.

Step 2 Enter a name for the preset.

7.4.2.4 Other Preset Operations

Prerequisites

You have saved the preset.

Operating Procedure

On the main interface, tap **Screen** and perform the following operations as needed.

- Load a preset.

  Tap the desired video wall name to enter the matched screen control interface, and then tap the saved preset in the preset list to load it.

  When **Pre-Edit** is selected, tap **Take** to send the preset to the screen after the preset is loaded.

- Rename a preset.

  Tap and hold the desired preset thumbnail, and then the preset operation menu appears. Tap **Rename** and enter a new name.

- Delete a preset.

  Tap and hold the desired preset thumbnail, and then the preset operation menu appears. Tap **Delete** to delete the selected preset.

- Overwrite a preset.

  Edit the preset-related configuration information, tap and hold the desired preset thumbnail, and then the preset operation menu appears. Tap **Overwrite** to overwrite the selected preset.

- Adjust preset sequence

  Tap **Sequence** to enable the preset sequence adjustment. Tap and hold the desired preset thumbnail, and then drag it to quickly adjust the sequence.

7.4.2.5 Preset Playback

The preset playback function allows you to play the presets automatically based on the set playback sequence and single preset playback duration. After the settings, the system will play the presets automatically with no manual operations required.

Prerequisites

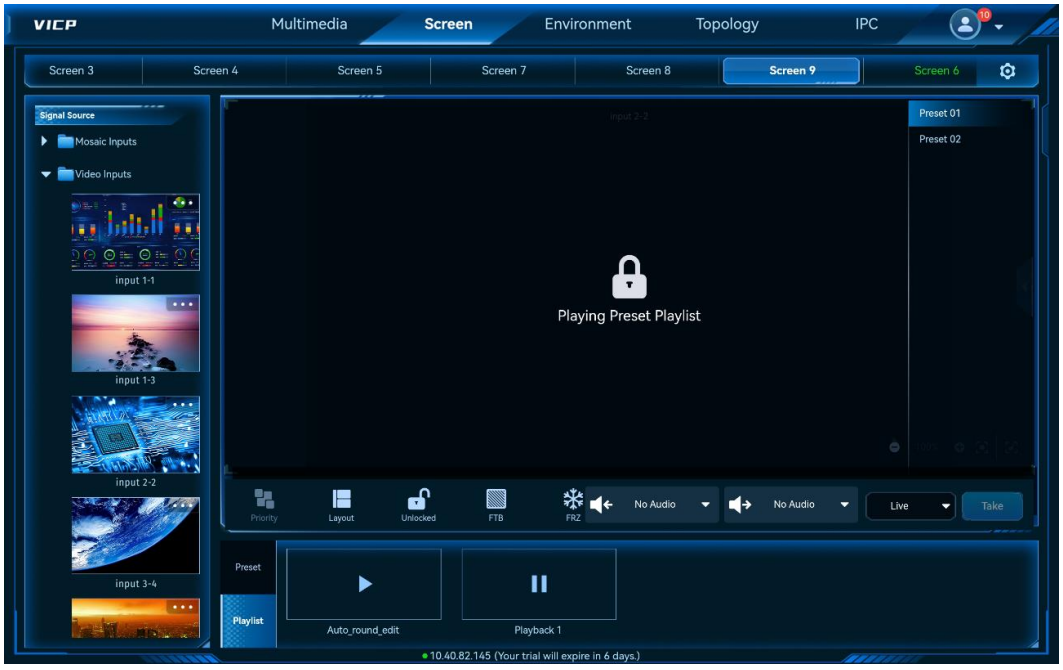
You have added a preset playlist playback in VIMP.

Operating Procedure

Step 1 On the screen control interface, tap **Schedule** to show the preset playback list.

Step 2 Tap ▶ on a preset playlist to play it. During the playback, the screen is locked automatically and no operations are allowed.

Figure 7-13 Preset Playback



Tap ■ to stop the playback.

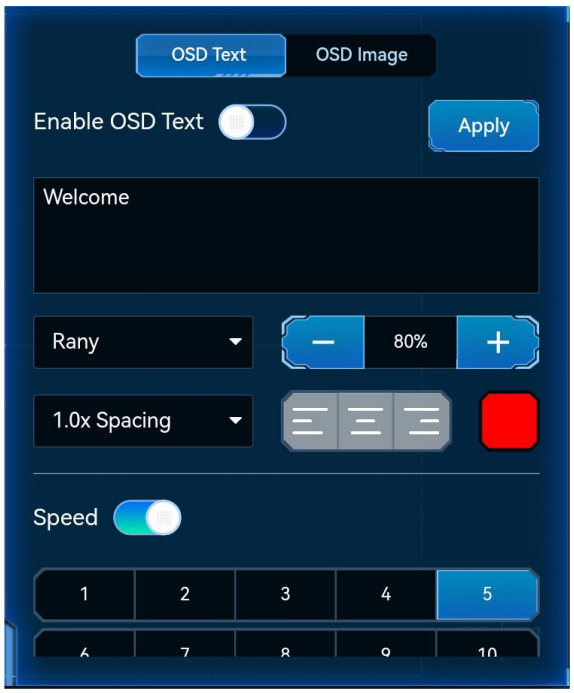
7.4.3 Add OSD

Step 1 Tap a video wall name to select the desired video wall.

Step 2 Tap OSD in the control area to expand the OSD settings pane.

If you do not select a layer, tap on the right edge to expand the OSD properties pane.

Figure 7-14 OSD settings pane



OSD Text

Step 1 Tap the **OSD Text** tab to show the OSD text settings.

Step 2 Toggle the switch next to **Enable OSD Text** to turn on the OSD text function.

Step 3 In the text box below **Enable OSD Text**, enter the OSD text content.

Figure 7-15 OSD Text

Step 4 Set the OSD text properties.

Figure 7-16 OSD Text properties

- Set the text font.

  From the drop-down list, select the desired text font.

- Set the text size.

  Set the text size by either entering the value in the text box or tap + or −. The text size is shown in percentage that indicates the ratio of the text size to the text area height.

- Set the text spacing.

  From the drop-down list, set the spacing between two letters or characters.

- Set the color and opacity of the text OSD.

- Set the text alignment method.

  When the switch next to **Speed** is disabled, the alignment item is available. Three alignment options are provided.

  - (Align left): Align the text content with the left margin of the OSD area.
  - (Center): Center the text content in the OSD area.
  - (Align right): Align the text content with the right margin of the OSD area.

Step 5 Set the OSD text scrolling speed.

Toggle the switch next to **Speed** to enable the text scrolling.

Tap the desired speed in the Speed area. The default value is 5.

Step 6 Set the OSD text scrolling direction.

The options are **From Right** (default) and **From Left**.

Step 7 Set the background color of the OSD text.

A solid color is supported.

7. Toggle the switch next to **Background Color** to turn on the background for OSD text.

8. Tap the color block icon next to **Background Color** to open a window where you can select or custom colors.
9. Select an existing color or enter the RGB values to define a custom color in the displayed window.
10. Tap and drag the slider block to set the opacity for the OSD background.

Step 8 Set the OSD position and size.

- Position
  - X: Set the horizontal distance from the top left corner of the OSD to that of the screen.
  - Y: Set the vertical distance from the top left corner of the OSD to that of the screen.
- Size
  - Width: Set the OSD area width. The value ranges from 64 to 7620 pixels.
  - Height: Set the OSD area height. The value ranges from 64 to 3240 pixels.

Step 9 Tap **Apply** at the top right corner of the OSD settings pane to complete the OSD text settings and display the OSD text on the screen.

OSD Image

Before enabling the OSD image, you need to upload the image and add the OSD image for the screen in VIMP.

Step 1 Tap the **OSD Image** tab to show the OSD image settings.

Step 2 Toggle the switch next to **OSD Image** to turn on the OSD image function.

Step 3 Tap **Apply** at the top right corner of the OSD settings pane to display the OSD image on the screen.

7.4.4 Set Reverse Control

When the accessed signal is from your local computer, the reverse control function is supported.

Prerequisites

- The signal source must be a local signal (connected to your local device) and must come from a computer with the Windows OS installed.

- The computer providing the signal source must have the program package for input source remote control installed. The installed program is shown as **KVM**.

Notes:

- The program package can be downloaded on the help page. When the reverse control connection failed, you can double click KVM to restart the remote control service.
- The reverse control signal added here will be automatically displayed in the reverse control list. If you have added the signal on the reverse control page, there is no need to add it again on this window.

Operating Procedure

Step 1 In the signal list on the left, tap ··· at the top right of a desired input source and tap **Reverse Control** to open the reverse control setting window.

Step 2 Enter the device name, IP address and port number of the computer where the signal source comes from.

Step 3 Tap **Confirm** to complete the setting.

Step 4 Tap a video wall name to select the desired video wall.

Step 5 In the signal list on the left, select the signal source that has been configured for reverse control. Then use this signal to add a layer.

Step 6 Select the added layer.

Tap **Reverse Control** in the screen control area and the system will connect to the signal source and show the desktop of the input source PC.

Tap **×** to exit the reverse control.

If the input source PC is configured with two or more screens, you can tap the screen name at the top to switch to the desired screen.

7.4.5 Mark Screens

After your local computer is reversely controlled, you can operate its desktop on the screen control interface.

Prerequisites

The reverse control of the signal source is configured.

Operating Procedure

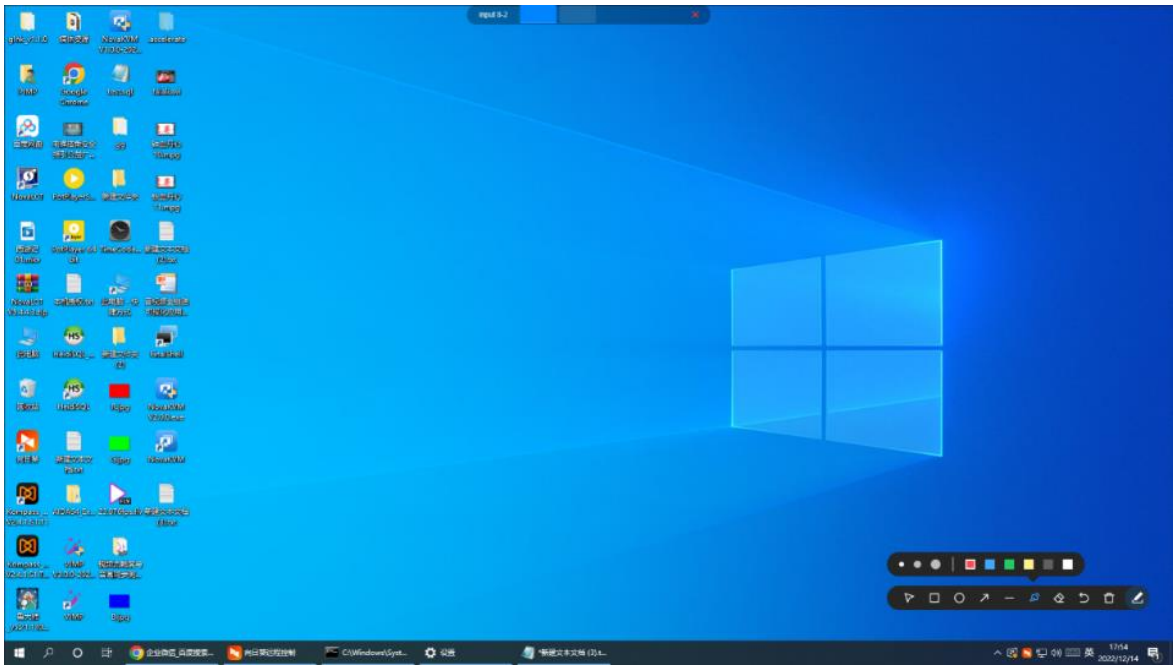
Step 1 Select the signal source that has been configured for reverse control. Then use this signal to add a layer.

Step 2 Tap the layer and tap on the right edge to expand the layer properties pane.

Figure 7-17 Layer properties

Step 3 Tap the icon next to **Mark** and the system will connect to the signal source and show the desktop of the input source PC.

Figure 7-18 Desktop of the input source PC



Click  at the bottom right to expand or collapse the mark menu. The menu is shown as follows.

Tap the virtual keyboard icon at the top right to enter the text-entry interface.

Figure 7-19 Mark menu

- : Switch to the mouse control. You can control the desktop applications and enter the text on the editing page via the keyboard.
- : Draw a box. Click the icon to expand the submenu at the top where you can adjust the thickness and color of the line.
- : Draw a circle. Click the icon to expand the submenu at the top where you can adjust the thickness and color of the line.
- : Draw an arrow. Click the icon to expand the submenu at the top where you can adjust the thickness and color of the line.
- : Draw a line. Click the icon to expand the submenu at the top where you can adjust the thickness and color of the line.

- : Randomly draw a line. Click the icon to expand the submenu at the top where you can adjust the thickness and color of the line.
- : Erase the drawn mark.
- : Undo the previous operation. Click the icon for multiple times to undo multiple operations.
- : Delete all the drawn marks on the desktop.

7.4.6 Disable Video Stream

Monitoring the outputs will consume the device and network resources, which makes the operations and images get stuck. It is recommended to disable the input monitoring.

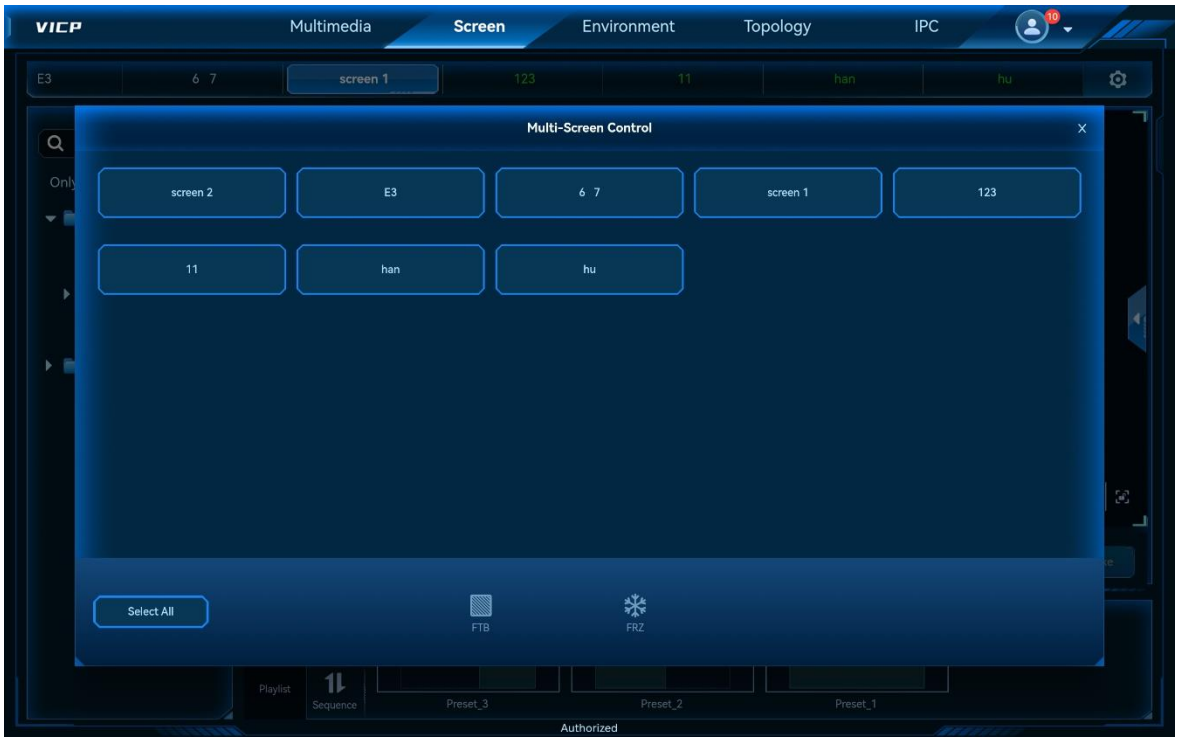
On the screen control interface, tap at the top right and select **Disable Video Stream** to close the layers on all the screens.

7.4.7 Control Muti-Screens

Adjust the brightness, enable the FTB function and freeze the output image for multiple screens at the same time.

Step 1 On the screen control interface, tap at the top right and select **Multi-Screen control** to open the multi-screen control window.

Figure 7-20 Multi-screen control



Step 2 Select the video walls to be controlled together.

For the selected video wall, tap the wall name again to unselect it. Tap **Select All** at the bottom left to select all the listed walls.

Step 3 Tap the desired control icon.

- : The output images of the selected screens will fade to black.
- : Freeze the current frames of the output images of the selected screens.
- : Tap this icon to adjust the LED screen brightness. When there is an LED in the selected screens, this function is available.

7.4.8 Enable Sub Stream

Display the sub stream in the network source list.

In a network source, the main stream signal is displayed by default. When the sub stream is enabled, the main and sub stream of the signal will be displayed at the same time. You can use the main stream or sub stream to add a layer.

On the screen control interface, tap at the top right and select **Enable Sub Stream** to display the sub stream signal in the network source list.

7.5 Environment

The environment interface allows you to control the lights, curtains, TVs, audio, IP cameras and more.

Prerequisites

- The project files for the environment control are produced.
- A folder named **ics** is created and the project files are imported to it.

  Before using the environment control function, please contact your technical support staff to produce the configuration files according to the on-site conditions in advance and import the configuration files to VICP. For the import methods please refer to 8 Import Project to Other Systems.

Operating Procedure

On the main user interface, tap **Environment** to enter the environment control interface where you can control the lights, curtains, TVs, audio, IP cameras and more, i.e., you can turn on/off the lights.

Figure 7-21 Environment control

Note:

If there is no project file, the environment control inferface will be blank.

7.6 Topology

View the device channel map and topology.

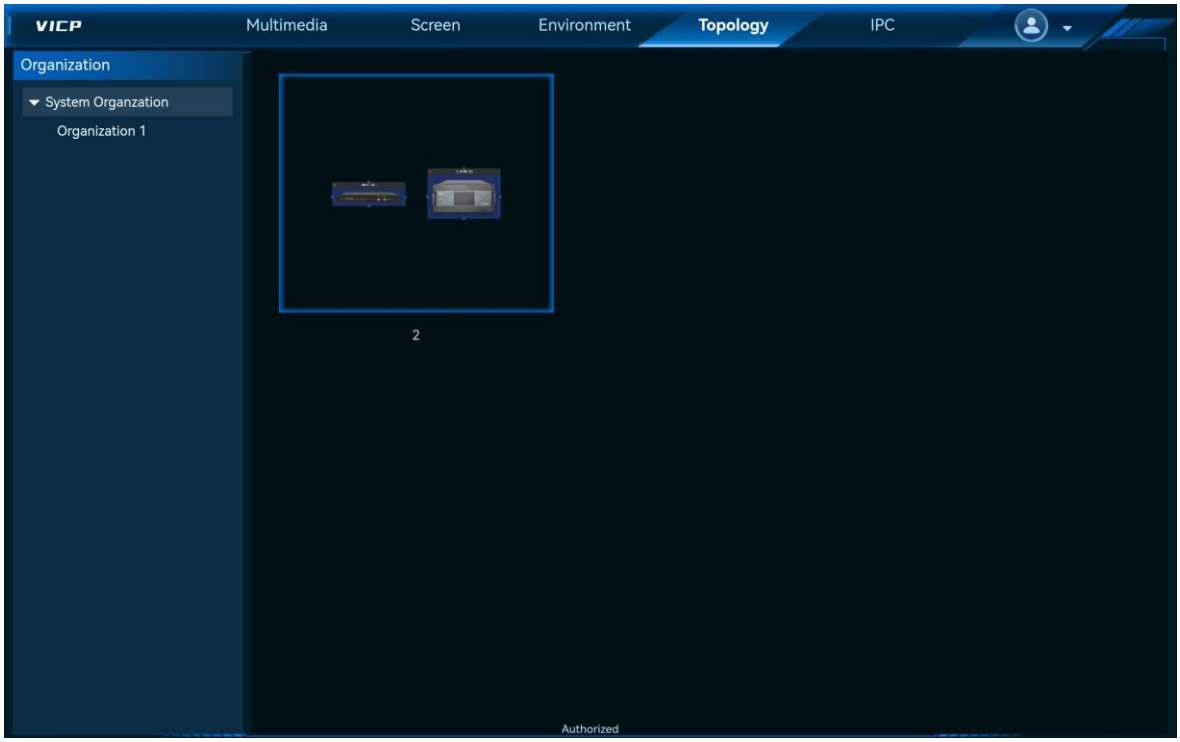
Prerequisites

You have configured the device channel map in VIMP.

Operating Procedure

On the main user interface, tap **Topology** to enter the topology management interface.

Figure 7-22 System topology



Organization

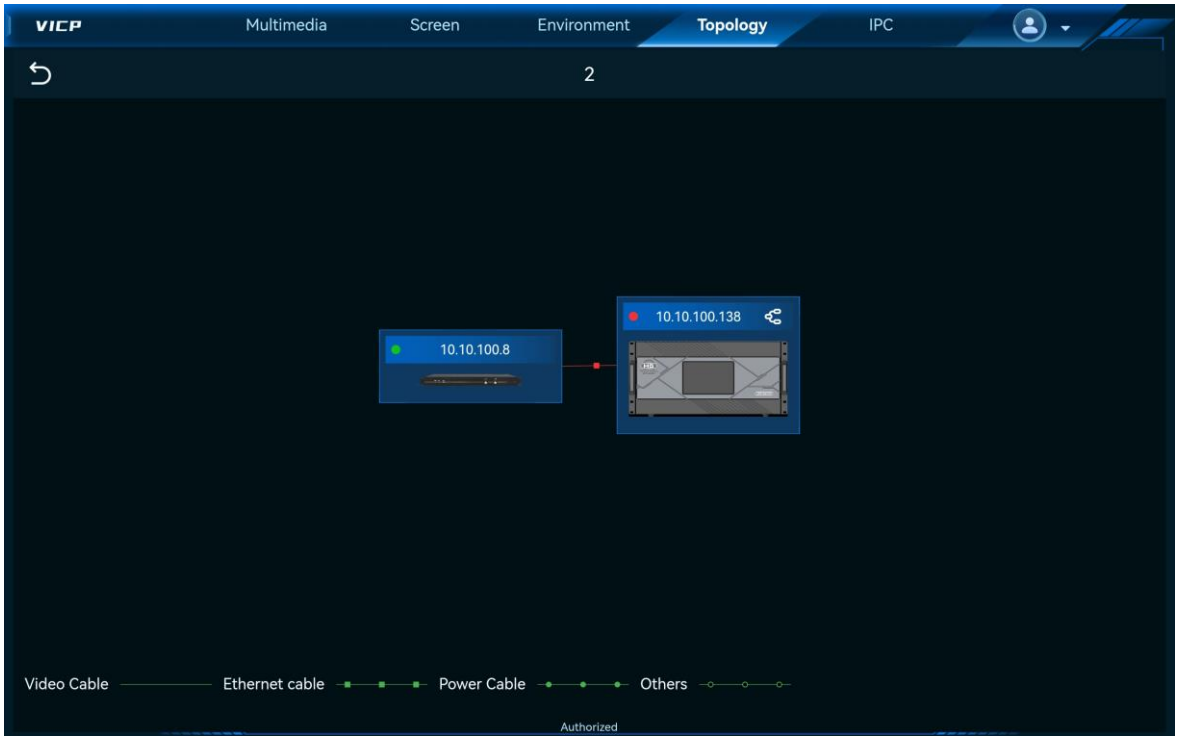
Tap the desired organization in the left organization list to view the corresponding topology.

Tap **System Organization** to view all topologies.

Topology

Tap the desired topology in the right area to view it.

Figure 7-23 Topology

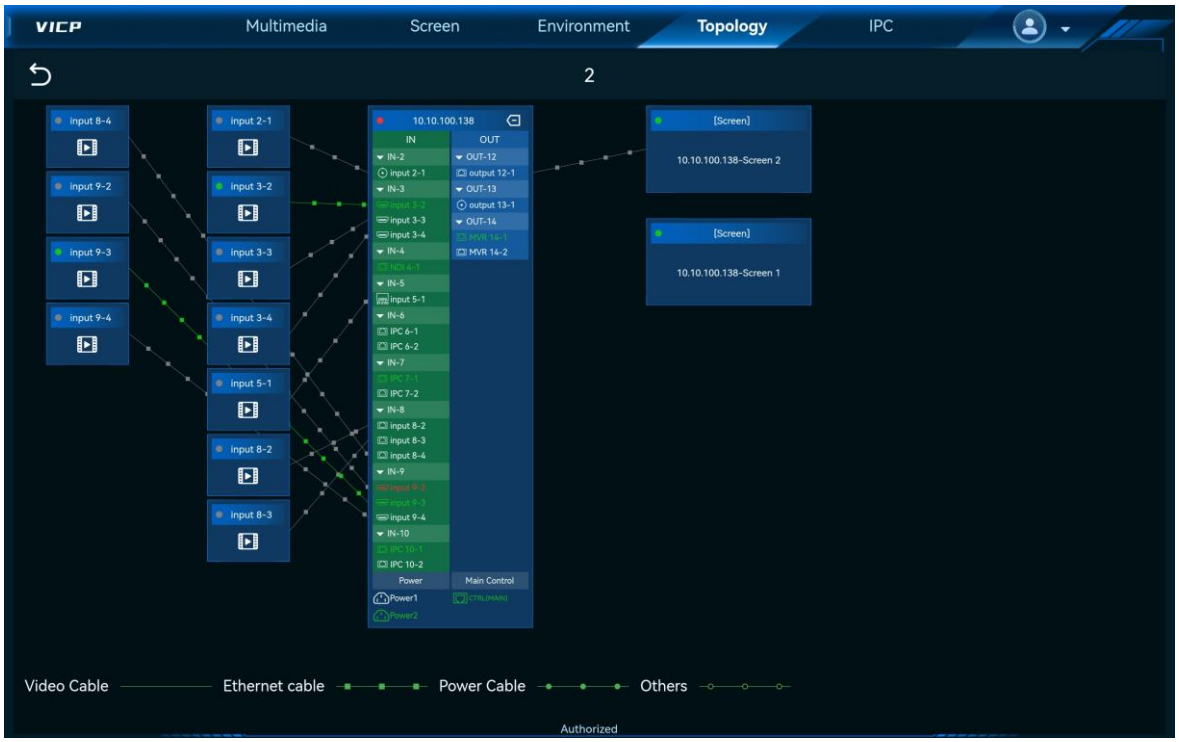


- The small dot next to the input source and device names shows the corresponding status.
  - ●: The device or input source is online and normal.
  - ●: The device or input source is abnormal.
  - ●: The device or input source is offline.
- Tap the device thumbnail to show the device running parameters on the right pane.

Channel Map

Tap  at the top right corner of the video wall splicer thumbnail to view the channel map.

Figure 7-24 Channel map



- Tap the desired input source, video wall splicer or screen to view the corresponding running parameters.
- Pinch to zoom and view the topology.
- In the channel map, you can view the connector status of the video wall splicer.
  - Green: The connector is accessed with the signal and the signal is normal.
  - Orange: The accessed signal is lost and is not restored.
  - White: The connector is not accessed with the signal.
  - Gray: The connector is unavailable.
- In the channel map, you can view the connection status.
  - Green line: The connection is normal.
  - Gray line: The connection is abnormal.
  - Red line: The device is abnormal.
- Tap at the top right corner of the thumbnail to return to the device topology interface.
- Tap to return to the system topology interface.

7.7 IPC Management

7.7.1 View Monitoring Images

Set the monitoring images of the IP camera to view the situation of the monitoring area at any time.

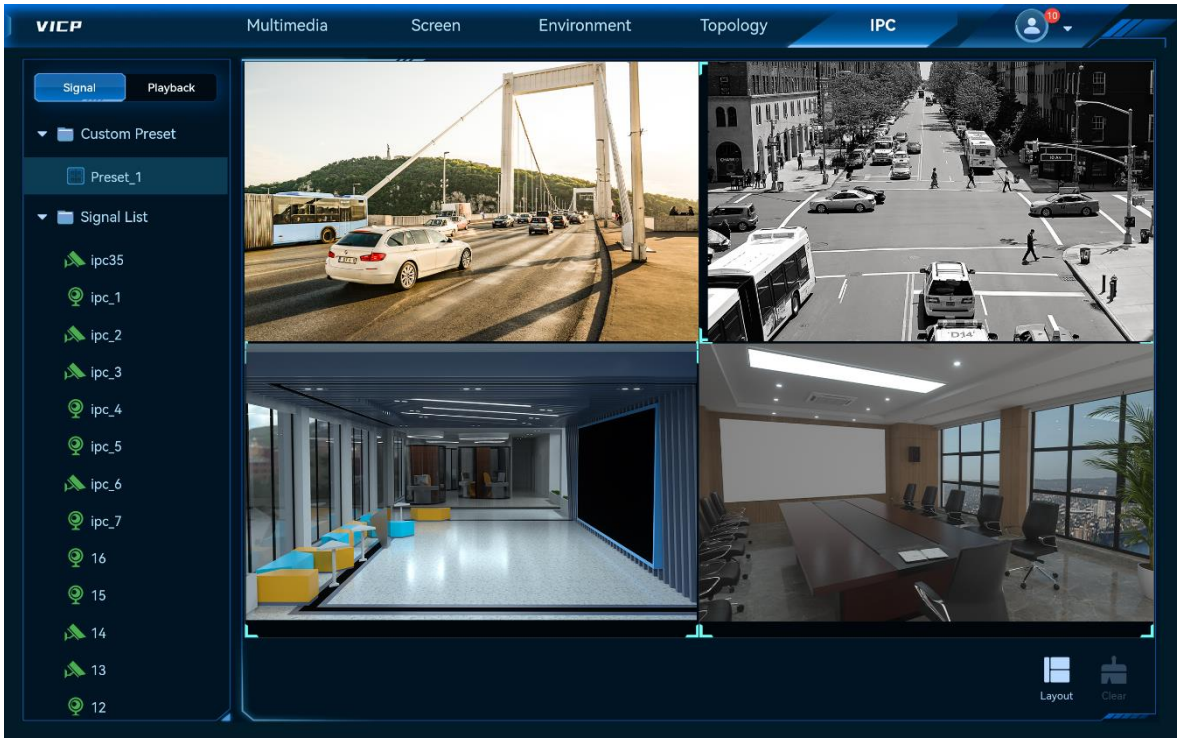
Prerequisites

The network sources are added on the signal source management page in VIMP.

Operating Procedure

Step 1 On the main user interface, tap **IPC** to enter the IP camera control interface.

Figure 7-25 IPC management



Step 2 Tap **Layout** at the bottom right to select a layout.

After the layout setting is completed, the signal images will be added automatically to the layout area.

Other Operations

- Change the signal source.

  Tap and drag the desired signal in the signal list on the left to the target area to replace the current signal.

- Maximize or restore the image.

  Tap the desired image and tap  at the top right to display the image in full screen. Tap  to restore the image area to the original size.

- Delete the signal source.

  Tap the desired image and tap  at the top right to delete the signal.

- Clear the signal sources.

  Tap at the bottom right to clear all the signals.

7.7.2 Control Cameras

Adjust the camera shooting angle, lens zoom, focus and aperture via the PTZ control function. It is recommended to save the configuration data to a pattern for easy use in the future.

Prerequisites

The camera uses the ONVIF protocol.

Operating Procedure

Step 1 On the main user interface, tap **IPC** to enter the IP camera control interface.

Step 2 Tap the image and tap  at the top right to open the camera control interface.

Figure 7-26 Control interface

Step 3 Tap − or + next to **Speed** to adjust the automatic rotation speed of the pan or tilt.

The higher the value, the higher the adjustment speed of the angle, zoom, focus and aperture.

Step 4 Tap four buttons on or directly drag the image to adjust the camera shooting angle

Step 5 Tap − or + to adjust the lens zoom, focus and aperture.

For the function that is not supported, the adjustment button is shown in gray.

Step 6 Tap **Save to Pattern** and select the desired pattern to save your settings as a pattern.

Four patterns are provided in total and cannot be deleted. If you need to edit a pattern, you can adjust the parameters and then overwrite it.

7.7.3 Set Signal Source Playbacks

Three playback options are provided.

- Play all the presets
- Play the custom preset playback group
- Play all the network sources

Prerequisites

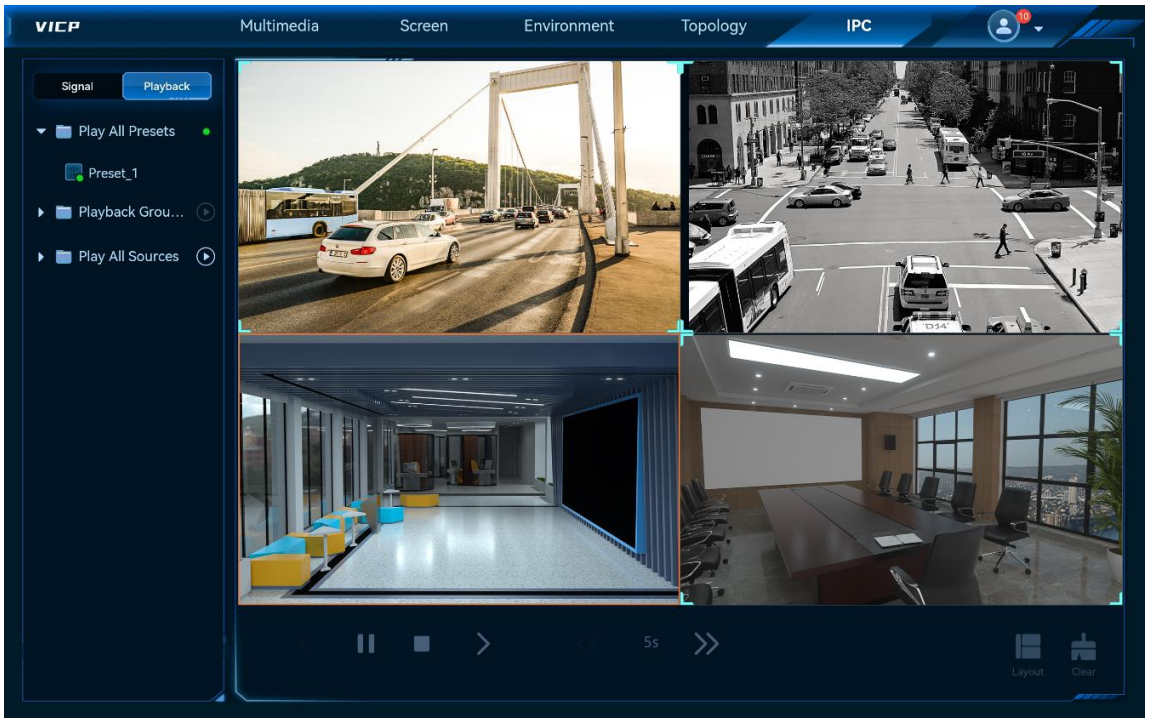
- To play the presets, you need to create the custom presets in advance in VIMP.
- To play the custom preset playback group, you need to create the custom presets and playback group in advance in VIMP.
- You have configure the network sources in VIMP.

Operating Procedure

Step 1 Tap the **Playback** tab to enter the playback interface.

Step 2 Tap ▶ next to the desired playback type to enable the playback.

Figure 7-27 Play all presets



- : The preset playback is enabled.
- : The preset is to be played.
- : The preset is being played.

Step 3 Set the interval for the preset playback.

Tap 5s at the bottom right to select the desired duration in the popup list.

Tap « or » to switch the configured playback duration.

Step 4 Control the playback.

After the playback is enabled, you can pause or stop the playback and play the previous or next preset.

Figure 7-28 Control playback

- : Play the previous preset or signal source.
- : Pause the playback.
- : Stop the playback.
- : Play the next preset or signal source.

7.8 Plan Management

On the **Plan** interface, you can view the automatic plan by month or by day, and execute the plan.

Prerequisites

You have created the plans in VIMP.

Operating Procedure

Step 1 On the main user interface, tap **Plan** to enter the plan management interface.

Step 2 View the plans by month or by day.

- View by month
  - As shown in Figure 7-29, tap the **Month** tab at the top to view the plans for that month.
  - Tap the plan name to view the details and delete the plan.
  - Tap the arrows next to Today to switch to the target month and tap **Today** to return to the current month.
  - The plan that has been executed is shown in gray and the plan that is not executed is shown in highlighted white.
- View by day

- As shown in Figure 7-30, tap the **Day** tab at the top and tap a date to view the plans for that day.
- Tap the plan name to view the details and delete the plan.
- Tap the arrows next to ◀ Today ▶ to switch to the target date and tap **Today** to return to the current date.
- Below the **Day** tab, the system will show an orange line to indicate the current time.

Figure 7-29 View by month

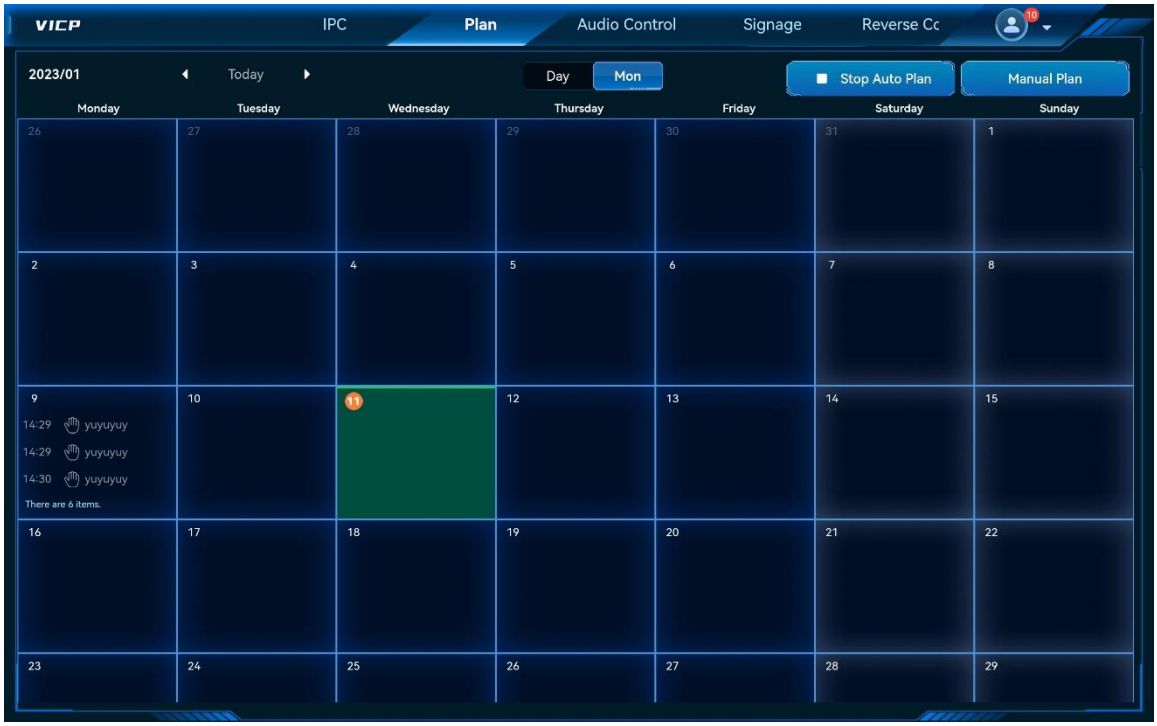
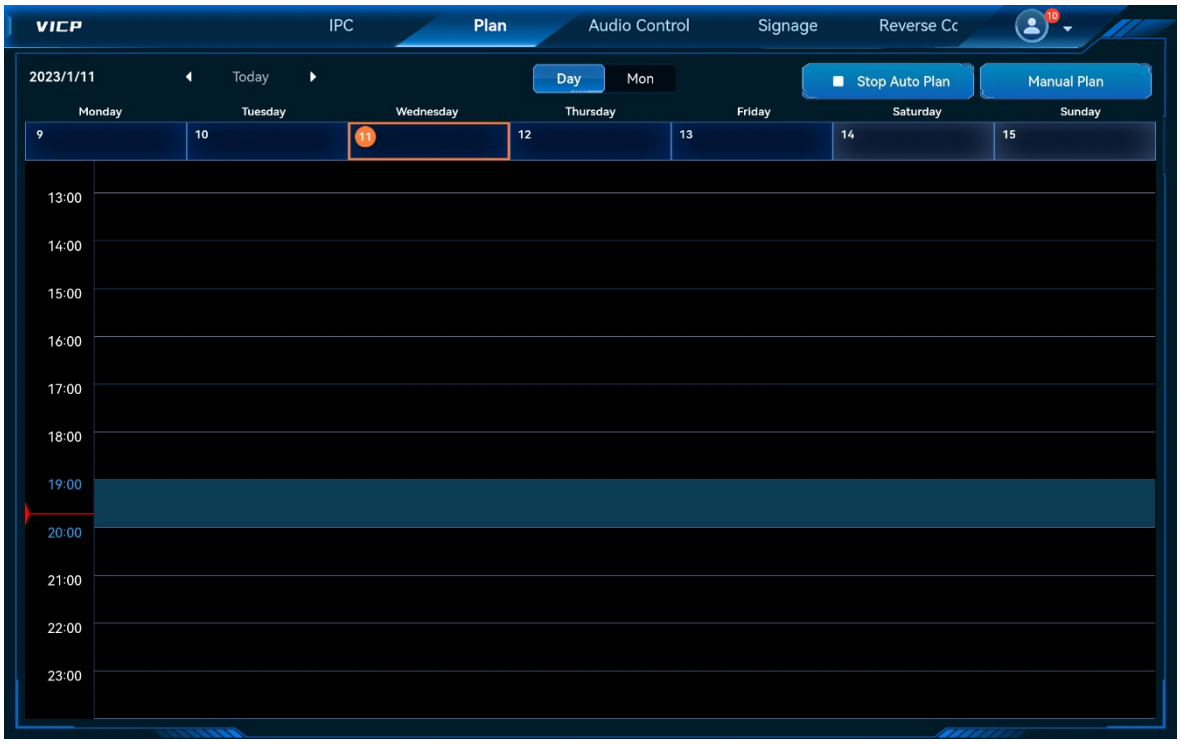


Figure 7-30 View by day



Step 3 Enable or stop the plan execution.

- Stop auto plans: Tap **Stop Auto Plan** at the top right. After the auto plan is stopped, the created plan will not be executed.
- Enable auto plans: Tap **Start Auto Plan** at the top right. After the plan is enabled, the system will automatically execute the created plan. The **Start Auto Plan** is enabled by default.
- Execute manual plans: Tap **Manual Plan** at the top right to expand the manual plan list. Tap  to switch to the target plan.

7.9 Audio Control

Adjust the system audio info, including the input and output volume as well as the audio matrix correspondence settings.

7.9.1 Adjust Audio Volume

Adjust the input and output volume.

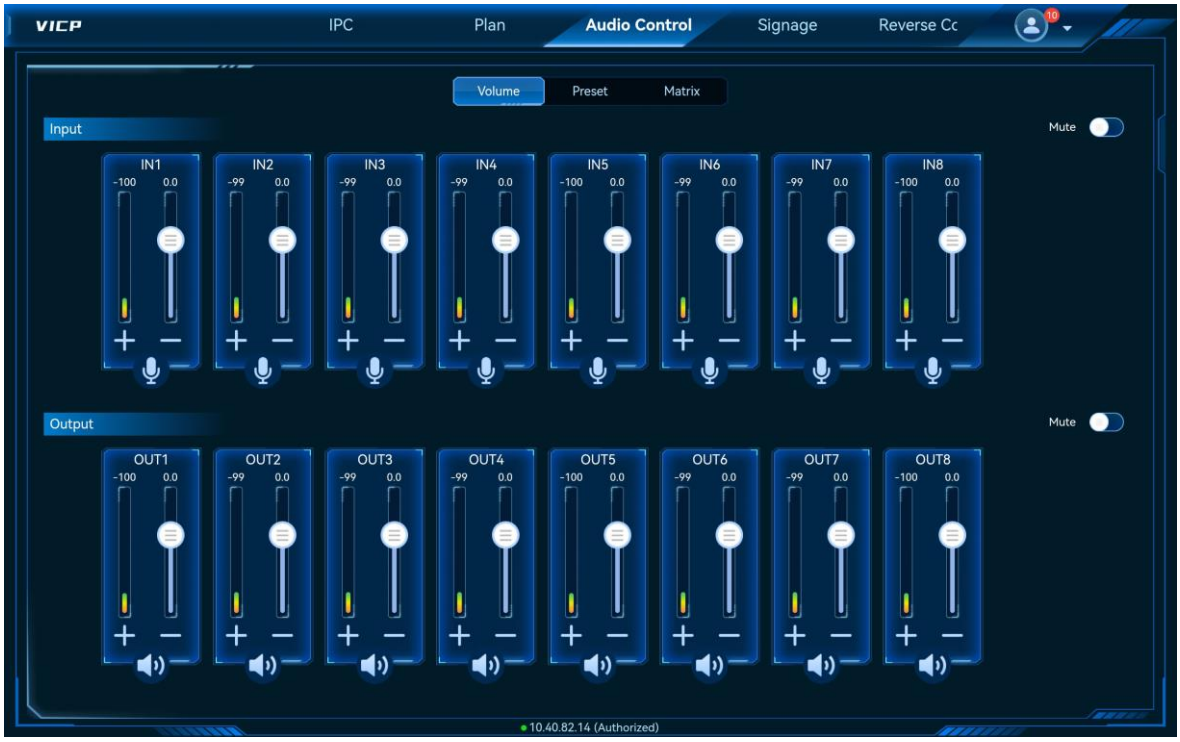
Prerequisites

You have added the audio devices in VIMP.

Operating Procedure

Step 1 Tap **Audio Control** to enter the audio control interface.

Figure 7-31 Adjust volume



Step 2 Move the slider block up or down to increase or decrease the audio volume.

Related Operation

- Toggle the switch next to **Mute** in the **Input** or **Output** area to make the inputs or outputs no sound.
- Tap or to show the next or previous page.

7.9.2 Load Presets

Load a preset to quickly adjust the output audio.

Prerequisites

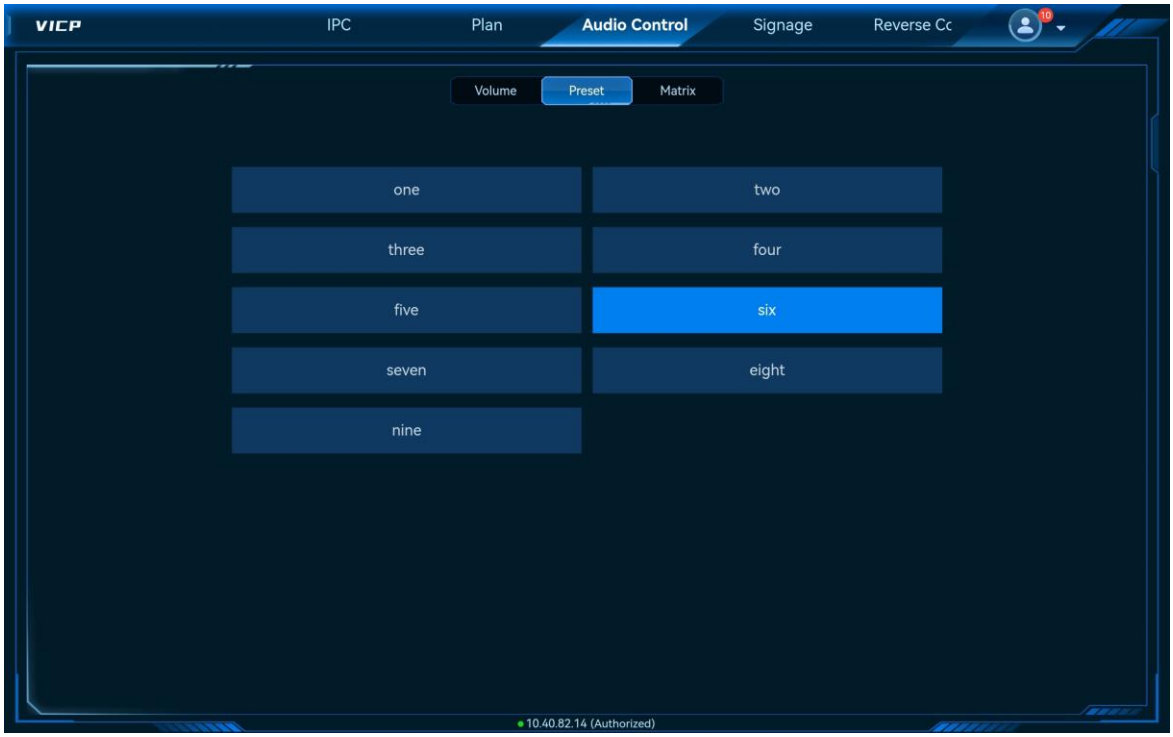
You have saved the preset to the audio processor.

Operating Procedure

Step 1 Tap **Audio Control** to enter the audio control interface.

Step 2 Tap the **Preset** tab to enter the audio preset interface.

Figure 7-32 Audio presets



Step 3 In the preset list, tap the desired preset to load it.

7.9.3 Configure Audio Matrix

Configure the correspondence relations between the input and output audio connectors.

Prerequisites

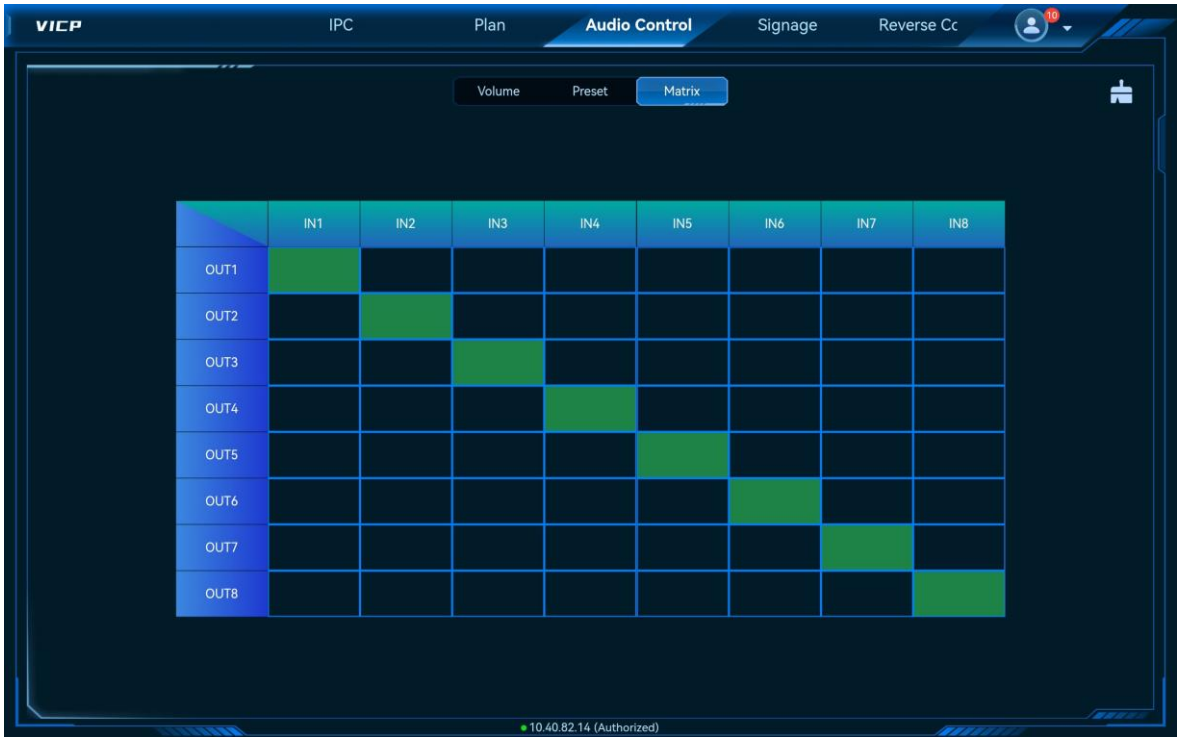
You have added the audio devices in VIMP.

Operating Procedure

Step 1 Tap **Audio Control** to enter the audio control interface.

Step 2 Tap the **Matrix** tab to enter the audio matrix setting interface.

Figure 7-33 Audio matrix



Step 3 Double tap the matrix cells to relate or unrelate the inputs with the outputs.

Related Operations

Tap  at the top right to delete all the relations.

7.10 Signage

VICP supports the playback control of Kompass FX0 on the current network segment.

Before using this function, you need to add Kompass FX0 on the device management page of VIMP.

7.10.1 Control Single Device

Tap **Signage** to enter the signage control interface.

Figure 7-34 Signage

Tap and select the desired platform from the left device list as well as select the desired media in the **Media** area.

Control Media

- Adjust the media sequence.

  Tap and hold the desired media, and then move it to the target position to quickly adjust the sequence.

- View media by category.

  Tap **All Media** and select the desired media type from the drop-down list. The added media of the selected type will be displayed.

Control Playback

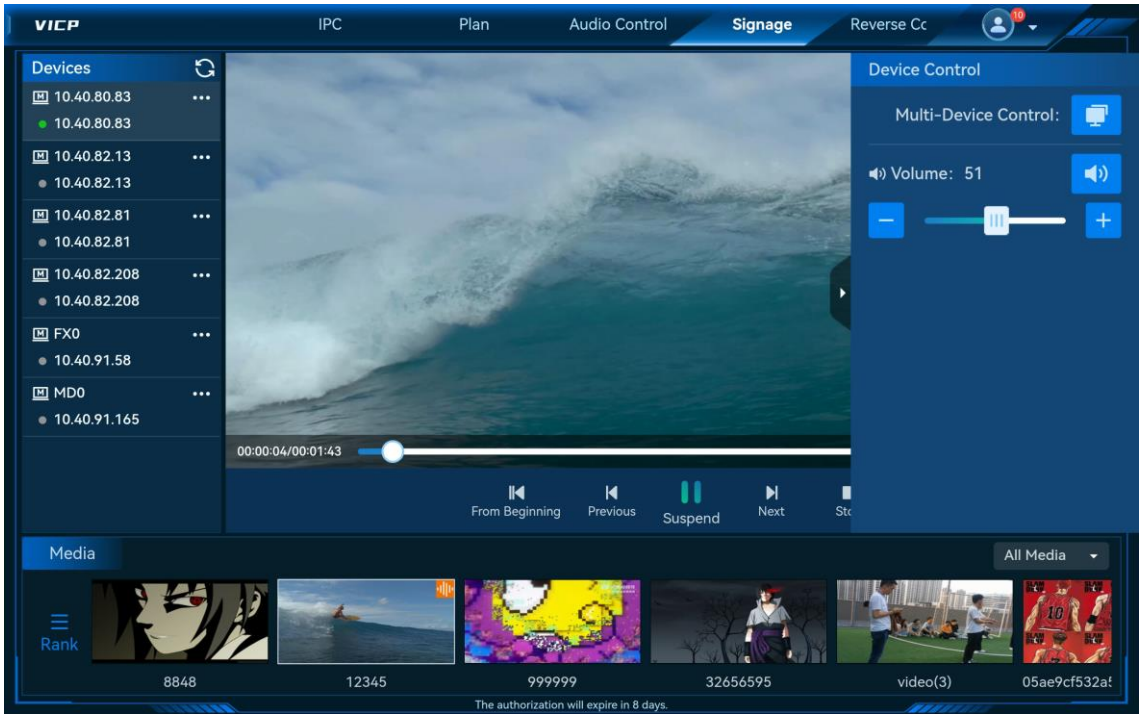
- Play: Play the media.
- Pause: Pause the media playback.

- Stop: Stop the media playback.
- From Beginning: Play the first media in the media library.
- Previous: Play the previous media.
- Next: Play the next media.

Adjust Output Volume

Tap  on the right edge to expand the device control pane.

Figure 7-35 Device control



- In the **Volume** area, drag the slider block or tap  to adjust the output volume.
- Tap  to mute or unmute the media.

Set Playback Modes

Tap ••• next to the desired platform on the left to show the device menu.

Figure 7-36 Device menu

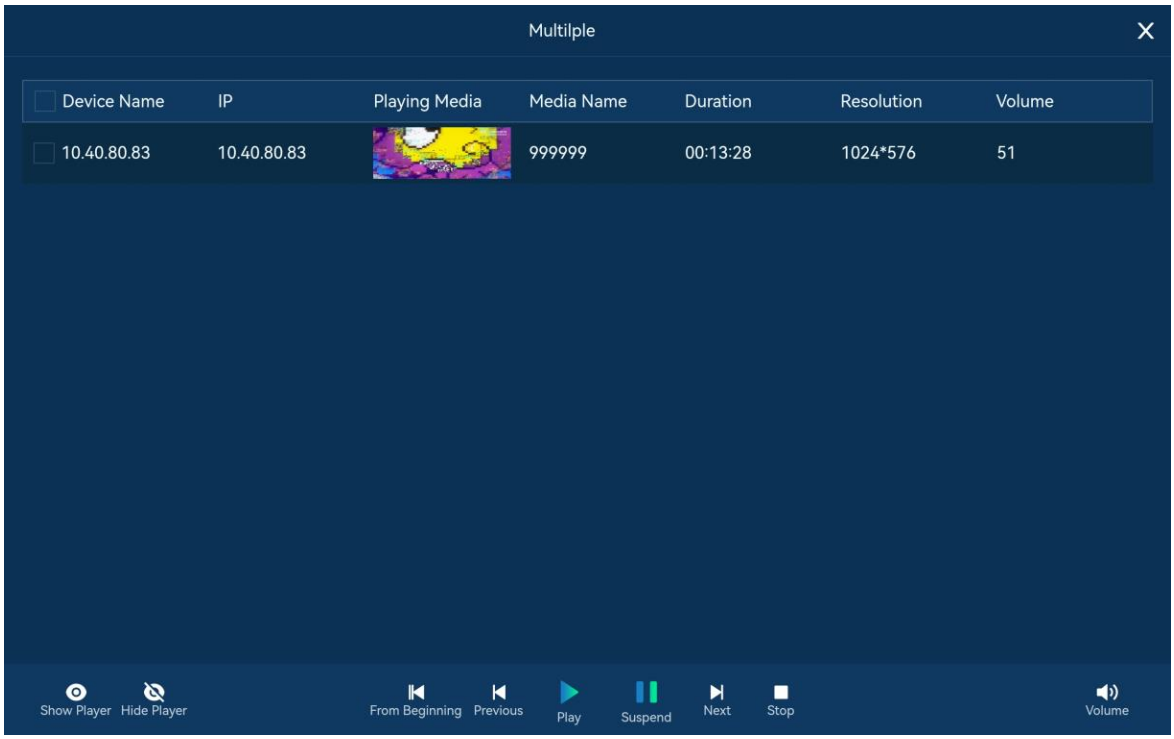
- Disconnect: Disconnect Kompass FX0 and cancel control of it.
- Connect: Tap **Connect** to reconnect the control Kompass FX0.
- Hide Player: Hide the playback interface of Kompass FX0.
- Show Player: Show the playback interface of Kompass FX0.
- Playback Mode: Set the playback mode of Kompass FX0.
  - Repeat All: After all the media are played, the next round of playback will automatically start based on the media sequence.
  - Repeat in Order: The media will be played one by one based on the media sequence.
  - Repeat One: Repeat the playback of the current media.

7.10.2 Control Multiple Devices

Simultaneously play, pause and stop the programs of multiple platforms and adjust the output volume.

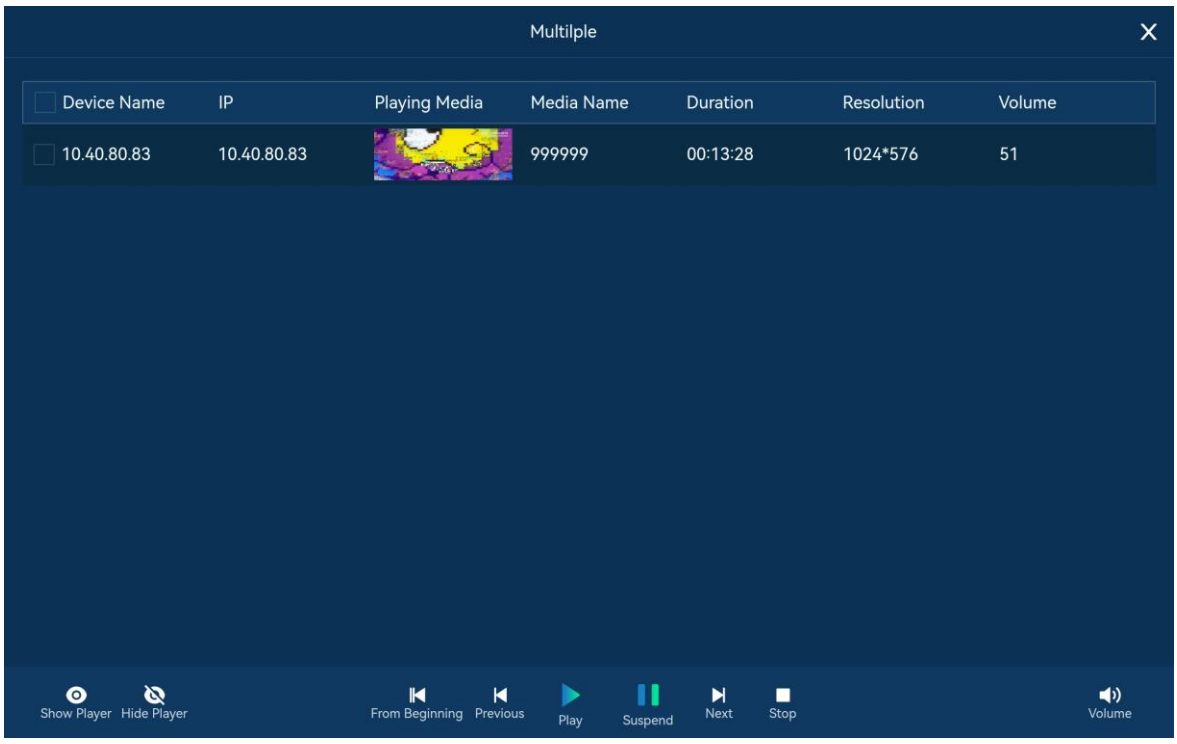
Step 1 On the signage interface, tap on the right edge to expand the device control pane.

Figure 7-37 Control multiple devices



Step 2 Tap  next to **Multi-Device Control** to enter the corresponding interface.

Figure 7-38 Multi-device control



Step 3 Check the boxes next to the desired devices.

Step 4 Control the playback of the selected devices via the control icons at the bottom.

- Show Player: Show the playback interface of Kompass FX0.
- Hide Player: Hide the playback interface of Kompass FX0.
- Play: Play the media.
- Pause: Pause the media playback.
- Stop: Stop the media playback.
- From Beginning: Play the first media in the media library.
- Previous: Play the previous media.
- Next: Play the next media.
- Volume: Adjust the output volume.

7.11 Reverse Control

7.11.1 Add Reverse Control Devices

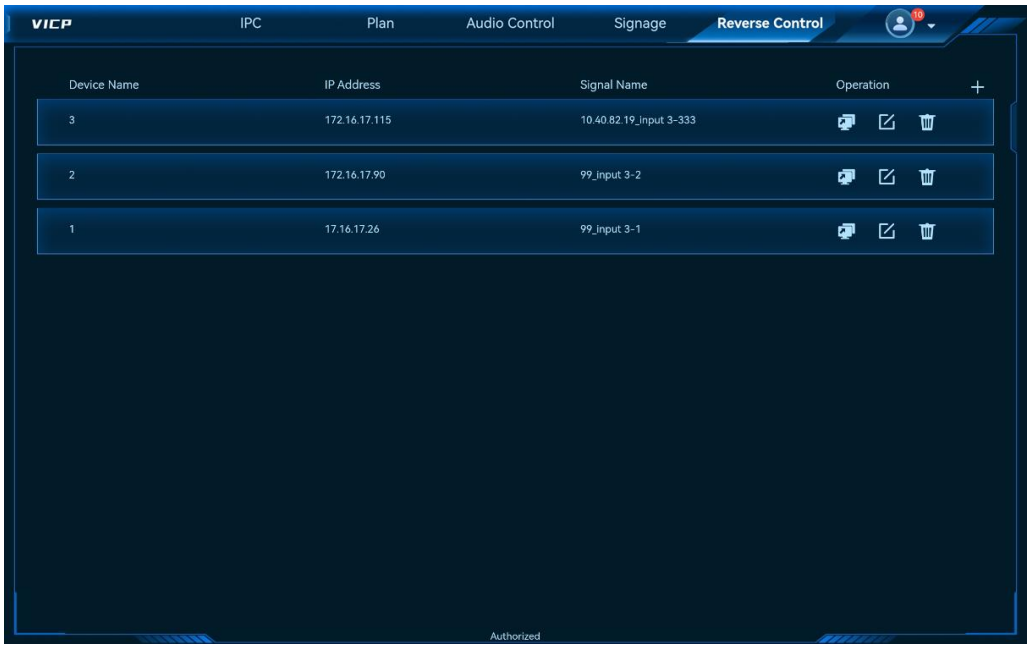
Prerequisites

- You have obtained the IP address of the computer where the signal source comes from.
- The computer where the signal source comes from and the platform are on the same network segment.

Operating Procedure

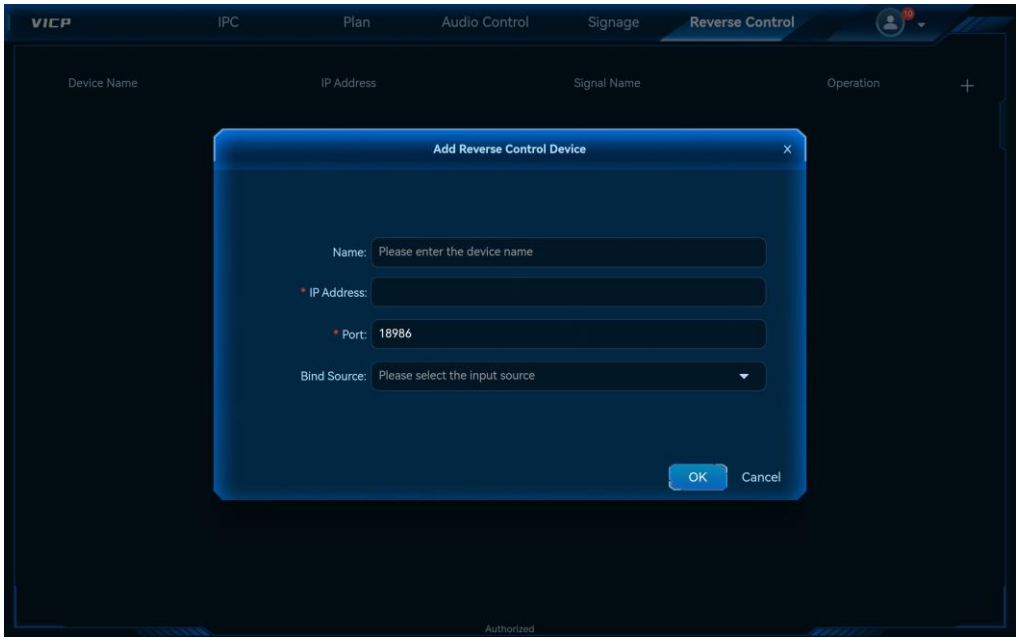
Step 1 Slide the menu bar to the left and tap **Reverse Control** to enter the reverse control interface.

Figure 7-39 Reverse control



Step 2 Tap **+** at the top right to open the reverse control device adding window.

Figure 7-40 Add reverse control devices



Step 3 Enter the name, device IP and port number of the reverse control device.

The default port number is 18986. If the port number is used, you can change it.

Step 4 Select the desired input source connected to the splicer from the drop-down list next to **Bind Source**.

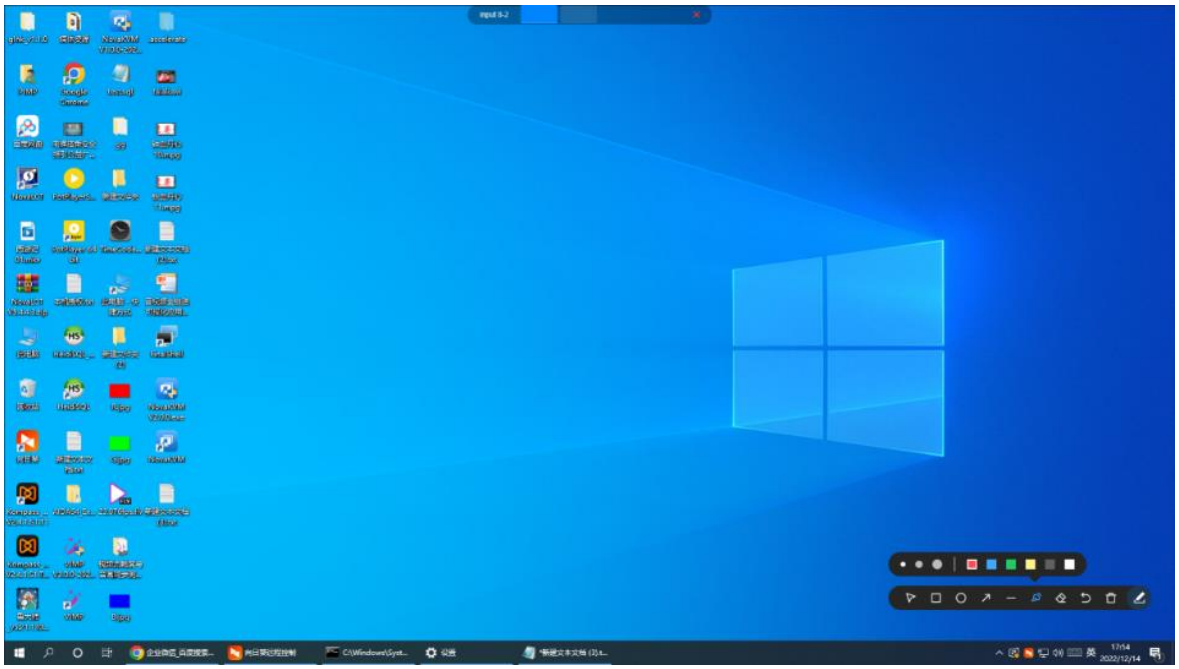
Step 5 Tap **OK** to complete the adding.

7.11.2 Reversely Control Input Source PC

Step 1 On the reverse control interface, tap in the column of **Operation**.

The system will automatically connect to the signal source that has been configured for reverse control. After a successful connection, the desktop of the input source PC will be shown.

Figure 7-41 Desktop of the reverse control device



Step 2 Tap the screen name at the top to switch to the desired signal screen.

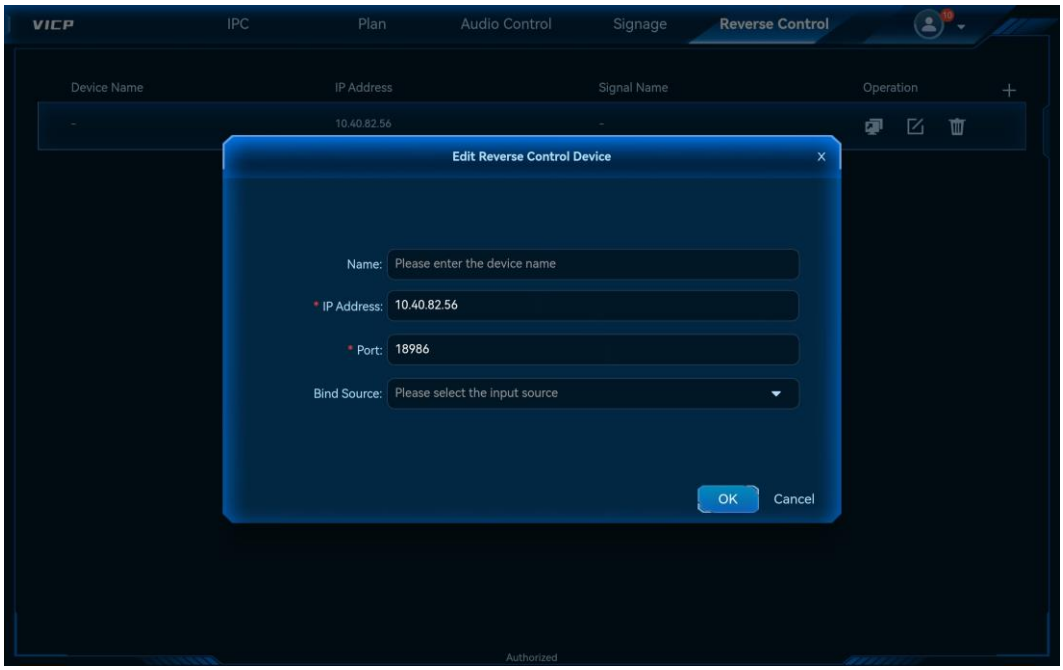
Step 3 Tap × at the top to exit the reverse control interface.

After you set the reverse control, if the input source PC is configured with two or more screens, you can tap the screen name at the top to switch to the desired screen.

7.11.3 Edit Reverse Control Devices

Step 1 On the reverse control interface, tap in the column of **Operation** to open the reverse control device editing window.

Figure 7-42 Edit reverse control devices



Step 2 Change the device-related information.

Step 3 Tap **OK** to complete the editing.

7.11.4 Delete Reverse Control Devices

Step 1 On the reverse control interface, tap in the column of **Operation**.

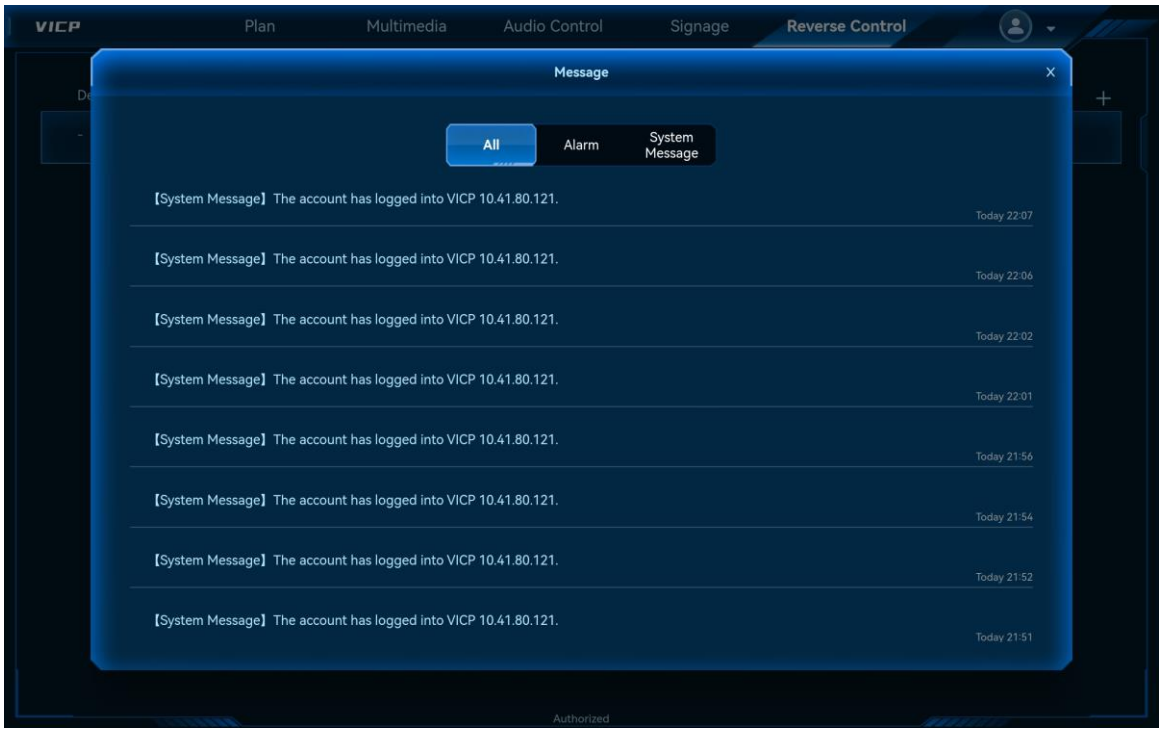
Step 2 Tap **OK** in the popup dialog to confirm the deletion.

7.12 Settings

7.12.1 View System Messages

Tap at the top right and select **Message** to open the **Message** window where you can view the system alarms and user login information.

Figure 7-43 Messages



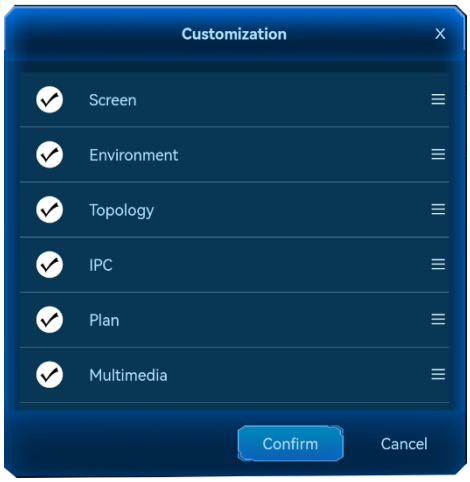
- All: View all the alarms, login information and operation messages of VIMP.
- Alarm: View the brief alarms of VIMP.
- System Message: View the login information of the current user.

7.12.2 Menu Customization

On the menu customization setting window, you can display or hide the desired menu options.

Step 1 Tap at the top right and select **Menu Customization** to open the menu customization setting window.

Figure 7-44 Menu customization



Step 2 Check or uncheck the box in front of the desired menu option to display or hide it.

7.12.3 Log out

Tap at the top right and select **Log Out** to return to the login interface.

Note:

For Windows system, go to > Log Out to return to the login interface.

8 Import Project to Other Systems

Import the edited project file such as the central control project file to Pas.

8.1 Import Projects to iPads

Import the edited central control project file to iPads.

Prerequisites

You have installed iTunes on your computer.

Operating Procedure

Step 1 Connect the iPad with your computer via a USB cable.

Step 2 Create a folder named vct on your computer and copy the folders and files (**audio** folder, **material** folder, **resource** folder and **index.vct** file) in the local **VICP Projects** folder to the created **vct** folder.

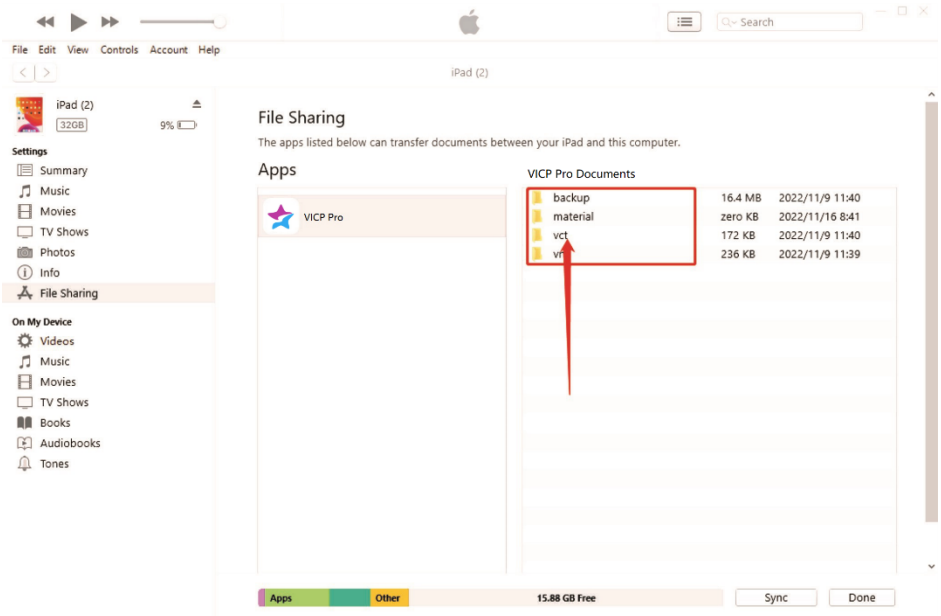
Step 3 Start iTunes on the computer.

Step 4 Go to **Settings** > **File Sharing**.

Step 5 Find **VICP** in the Apps area.

Step 6 Click the created **vct** folder and drag it to the **VICP Documents** area.

Figure 8-1 Import projects to iPads



Step 7 Go to the **Environment** interface to view the imported project files.

8.2 Import Projects to Android Systems

Import the edited central control project file to Pads installed with Android systems.

Prerequisites

N/A

Operating Procedure

Step 1 Go to **File Manager** > **Apps** on the Android device to enter the file manager interface.

Step 2 Go to the internal storage folder > **Android** > **data** > **com.nova.vicp** > **files** and create a new folder named **vct**.

Step 3 Connect the Android device with the computer via a USB cable.

Step 4 Copy the folders and files (**audio** folder, **material** folder, **resource** folder and **index.vct** file) in the local **VICP Projects** folder to the created vct folder.

Step 5 After the import is completed, restart VICP. Go to the **Environment** interface to view the imported project files.

8.3 Import Projects to Windows Systems

Step 1 Go to **C:/Users/User/AppData/Roaming/NovaStar/VICP /** to enter the VICP folder.

Step 2 Create a new folder and name it **vct**.

Step 3 Copy the folders and files (**audio** folder, **material** folder, **resource** folder and **index.vct** file) in the local **VICP Projects** folder to the created vct folder.

Step 4 After the import is completed, restart VICP. Go to the **Environment** interface to view the imported project files.

9 FAQ

9.1 How to obtain the IP address of the media server?

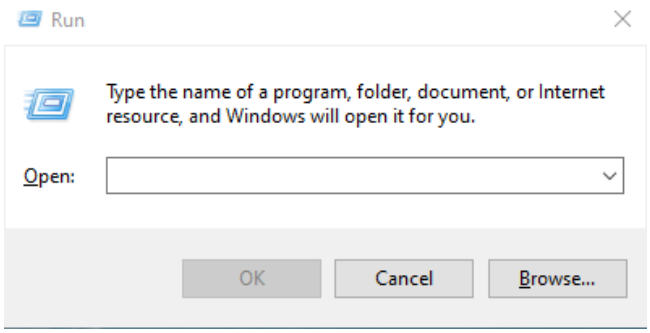
Problem

In VICP, you must configure the IP address of the media server first, but how to obtain the IP address of the media server on the current network?

Solution

Step 1 On the media server, press the **Win**+**R** key combination to open the **Run** window.

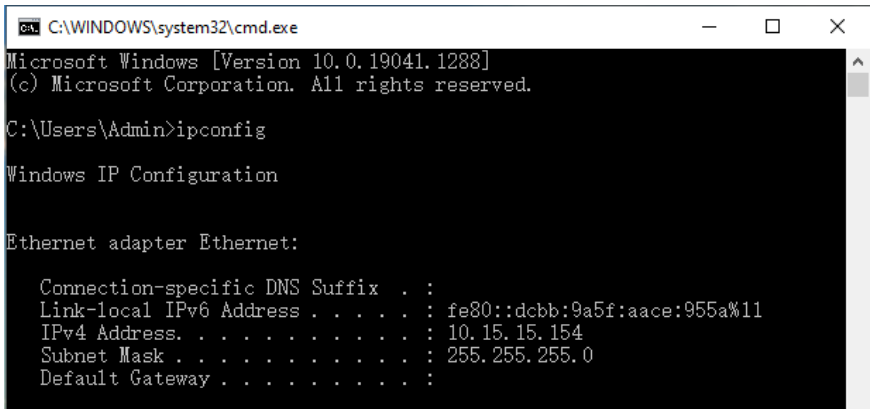
Figure 9-1 Run window



Step 2 Enter "**cmd**" and press the **Enter** key to open the command prompt.

Step 3 Type "**ipconfig**" and press the **Enter** key, and the system will automatically display the media server IP address.

Figure 9-2 Media server IP



The IPv4 address indicates the IP address of the media server.

9.2 How to get the port number of the media server?

Problem

When VICP controls the media server, VICP requires the IP and port number of the media server, but how to obtain the port number of the multimedia playback software in the media server?

Solution

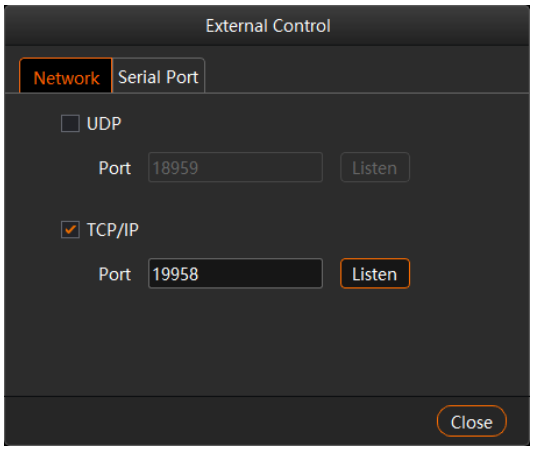
Step 1 Start the multimedia playback software and go to **Settings** > **External Control** to open the external control window.

Step 2 Select the **Network** tab.

Step 3 Check the box next to **TCP/IP** to enable the TCP/IP control.

Step 4 In the text box next to **Port**, enter the port number.

Figure 9-3 Port settings



Step 5 Click **Listen** to enable port listening.

If the entered port number is occupied, the message "**Listening failed because the port number is occupied.**" appears. Please re-enter a port number and continue the listening. When the listening succeeds, click **OK**.

Step 6 Click **Close** to complete the port configuration.