

UNV-EZControl User Manual

Manual Version: V2.01

About This Manual

Thank you for your purchase. If you have any questions, please do not hesitate to contact your dealer.

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Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.

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Document Conventions

- The graphics, tables or photos in this manual are only for illustrative purpose. The actual product may be different.
- This manual is a guide for multiple product models instead of for a specific product, and certain contents in this manual may not apply to all products.
- Due to uncertainties such as physical environment, discrepancy may exist between the actual values and reference values provided in this manual. In case of any conflicts or disputes, please refer to our final interpretation.
- Please follow the instructions in this manual when you use the product. Using the product under professional guidance is recommended.
- The symbols in the following table may be found in this manual. Carefully follow the instructions indicated by the symbols to avoid hazardous situations and use the product properly.

Symbol	Description
 NOTE!	Indicates useful or supplemental information about the use of product.
 CAUTION!	Indicates a situation which, if not avoided, could result in damage, data loss or malfunction to product.
 WARNING!	Indicates a hazardous situation which, if not avoided, could result in bodily injury or death.

Operation Notice

- Different models or systems may have different supported functions and interfaces. Please refer to the actual.
- Figures in this manual are based on a decoder logged in to whole mode and are for illustrative purpose only.
- Parameters in gray cannot be modified. Please refer the specific parameters on the interface.

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1 Overview

UNV-EZControl (hereinafter referred to as app) is a mobile app used to manage video walls created with decoding and splicing control devices on the LAN.

This manual leads you to manage video walls on the app.

2 Login

Tap  on the mobile device to launch the app.

You can choose to log in to the **Whole Mode** or the **Simple Mode**. Environment control function is not supported in simple mode. The interfaces and functions may vary. Please refer to the actual interface.

Whole Mode

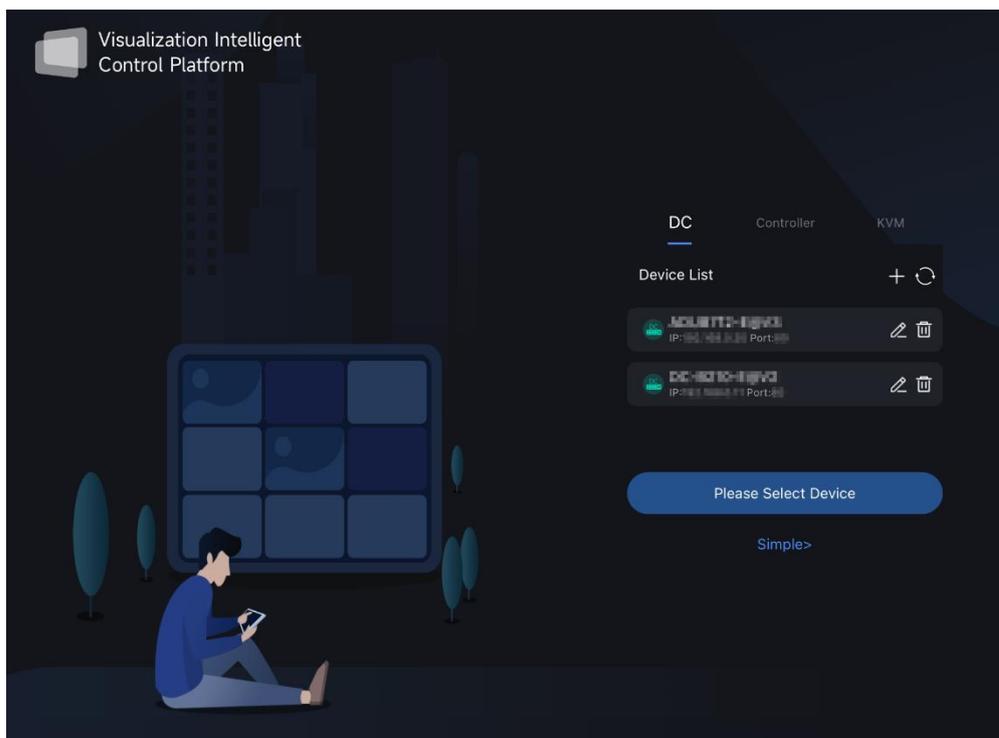
1. Select the device type for login: **DC, Controller, KVM**.



NOTE!

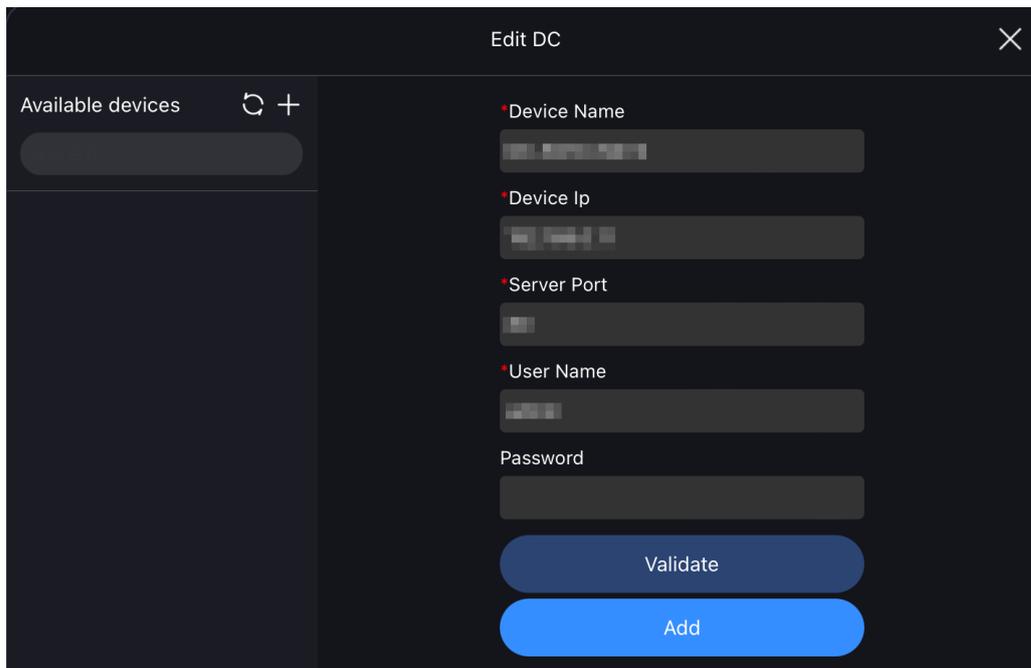
When log in to a distributed KVM, please configure it as a management node in the Web interface of the device. Otherwise, you will not be able to configure other nodes after login.

Figure 2-1 Whole Mode



2. Tap **+**. A page as shown below appears. Enter the display control device information as needed, then tap **Validate** and **Add**.

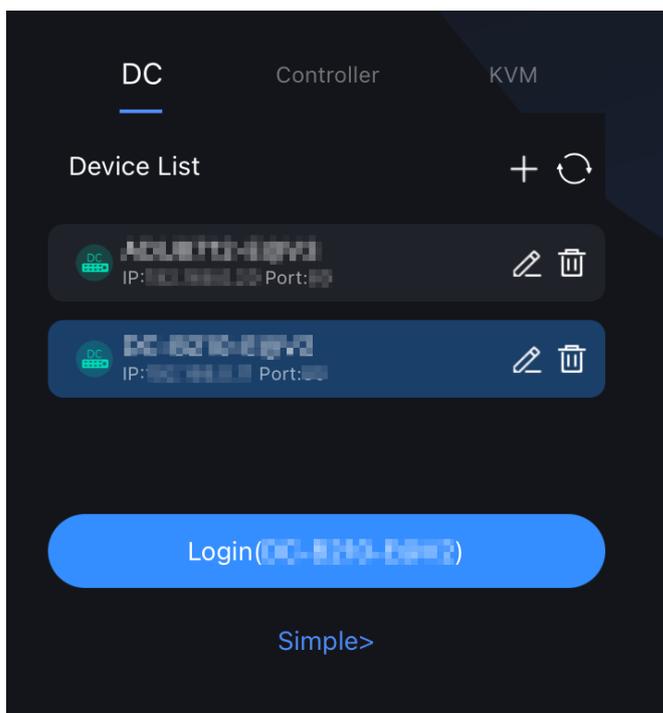
Figure 2-2 Add Device



The screenshot shows the 'Edit DC' interface. It features a dark theme with a white text area. The title 'Edit DC' is at the top right. On the left, there's a section for 'Available devices' with a refresh icon and a plus sign. The main form area contains several input fields: 'Device Name', 'Device Ip', 'Server Port', 'User Name', and 'Password'. Below the input fields are two buttons: 'Validate' and 'Add'.

3. (Optional) Repeat the above steps to add all devices.
4. Select the device for login from the device list, and tap **Login**.

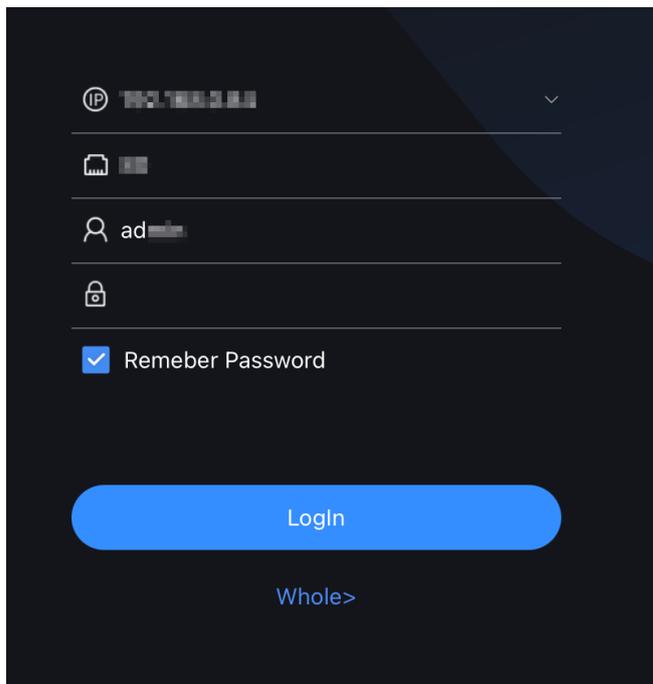
Figure 2-3 Login



Simple Mode

1. Select **Simple** on the login page.
2. Enter the display control device information and tap **Login** to enter the homepage.

Figure 2-4 Simple Mode



NOTE!



: When entering the password, you can tap on the icon to show or hide the password as needed.

3 Video Wall Control

3.1 Video Wall Management

View video walls on the device.

Get Video Walls

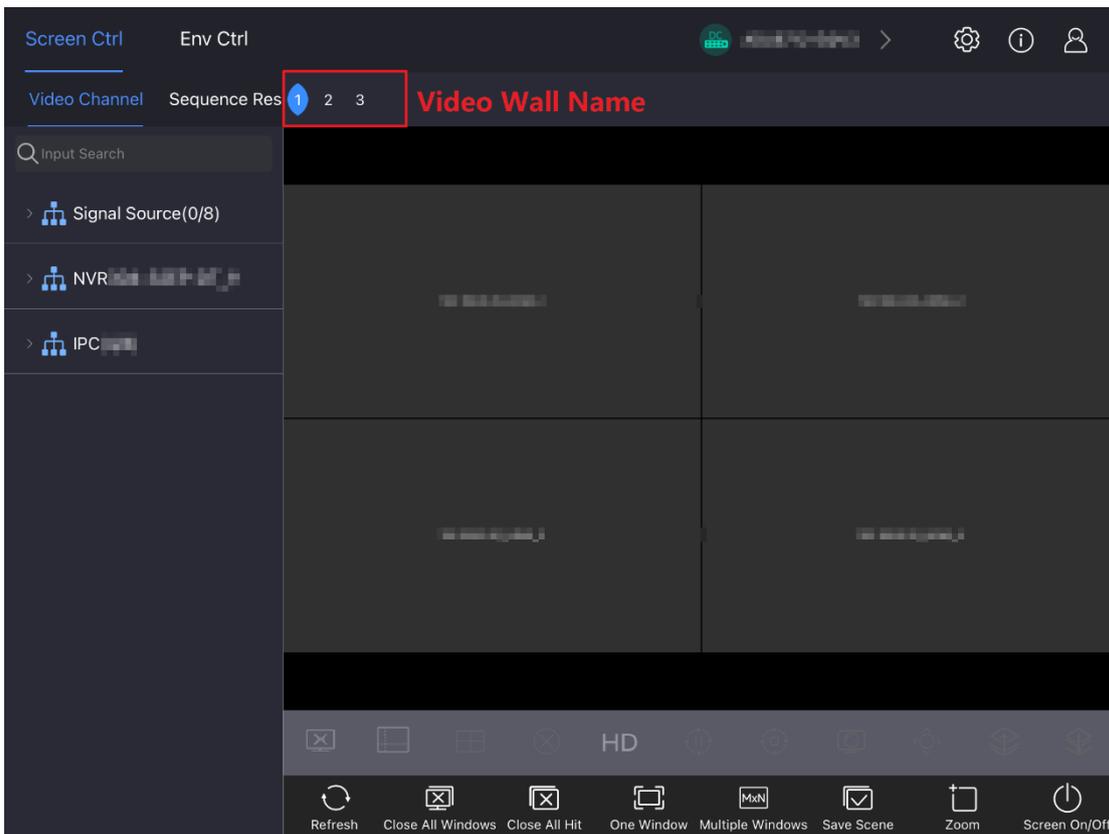


NOTE!

You need to create video walls on the device using a management client.

- The app automatically obtains video wall information (including resource and window information) on the device, and displays video wall name at the top.
- If no video wall is found, the screen will show “No video wall”.

Figure 3-1 Video Walls



Switch Video Walls

Tap a name on the top to switch to the video wall.

3.2 Service Operations

View video channels, sequence resources and scenes, and play video on the video wall.



NOTE!

To play video on the video wall, you need to open window(s) first.

- Tap  (open a window) or  (open multiple windows) on the video wall toolbar to open window(s). Then you can play videos in the created windows. See operations in [Open Windows](#).
- If no window has been created or selected and you start a video on the wall, a window is created automatically to play the video.

3.2.1 Video Channel

Video channels include the device's local video signal sources and the IPCs and NVRs connected to the device.

Tap the **Video Channel** tab to view all video channels on the device.

Figure 3-2 Video Channel

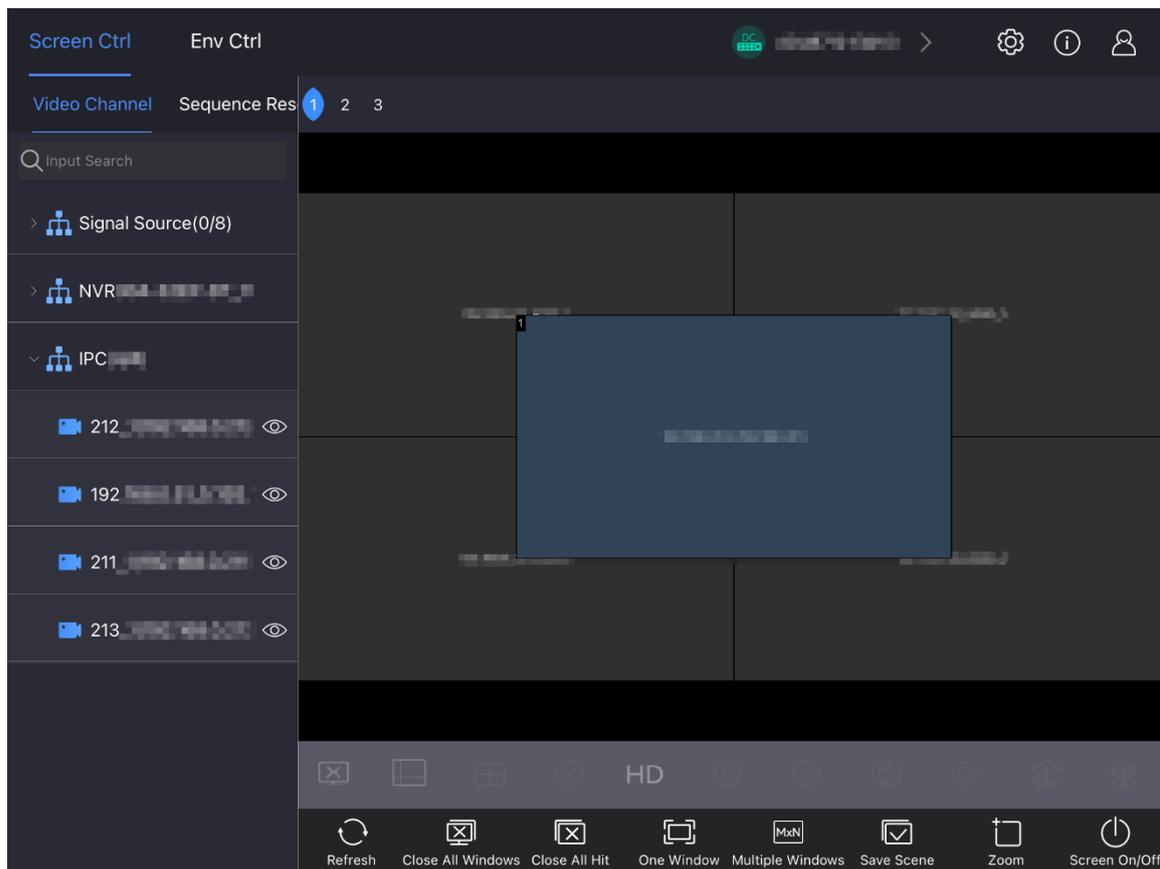


Table 3-1 Related Operations

Operation	Description
Refresh Resources	Swipe down on the resource list.
Search for Resources	Enter the keywords of the resource name you want to search for in the search box.
Check Resource Status	<ul style="list-style-type: none"> ● Blue icon: Online. ● Gray icon: Offline.
Preview Live Video	Tap  for the video channel you want to preview the video.
Play Video on Video Wall	<ul style="list-style-type: none"> ● Drag: Drag a signal source or a video channel to a window to start video in the window. ● Double-tap: Tap a window and double-tap a signal source or a video channel to start video in the window.

	<p>NOTE:</p> <p>If no window has been created, drag a signal source or a video channel to anywhere on the video wall, a window will be created automatically to start video.</p>
--	---

3.2.2 Sequence Resource

A sequence resource is a group of video channels used to play on a video wall at the same time. Tap the **Sequence Resource** tab to view all sequence resources on the device.

Figure 3-3 Sequence Resource

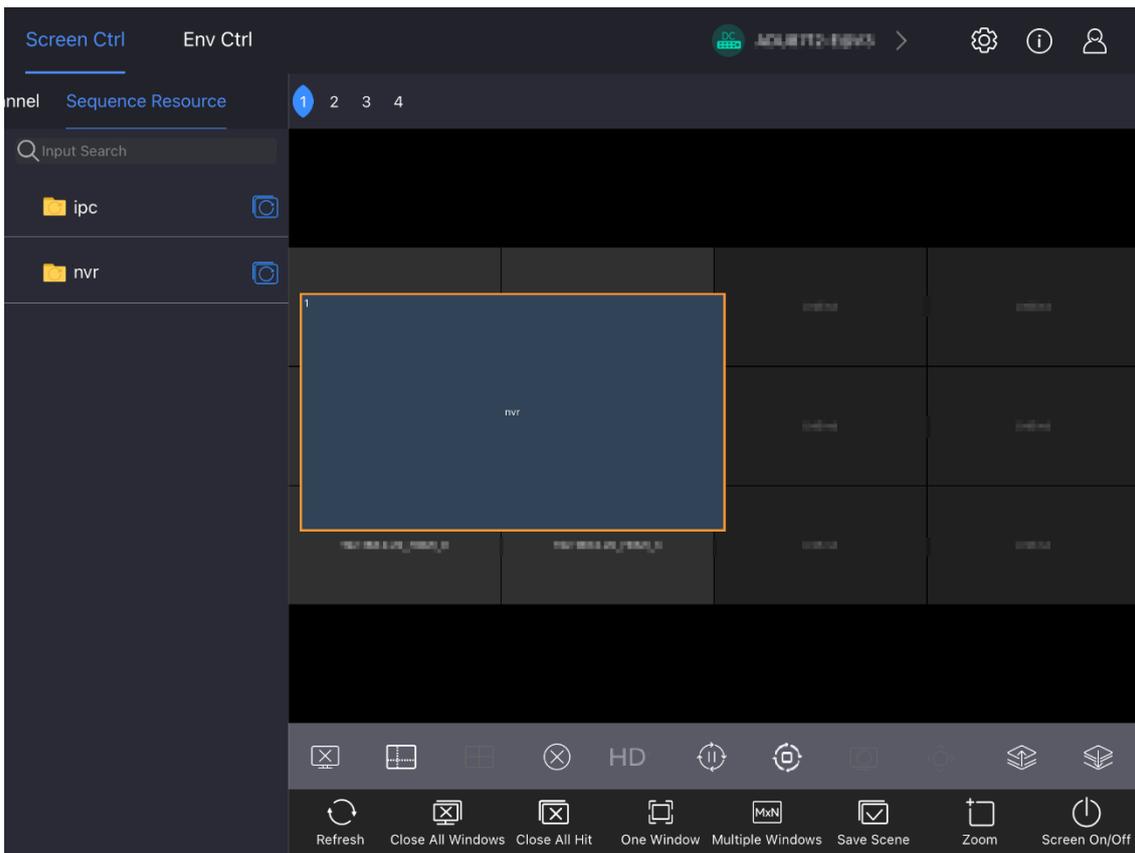


Table 3-2 Related Operations

Operation	Description
Refresh Resources	Swipe down on the resource list.
Search for Resources	Enter the keywords of the resource name you want to search for in the search box.
Start Sequence	<ul style="list-style-type: none"> Drag a sequence resource to a window to sequence videos in the window. If the window is split, videos will be sequenced in all the split windows.

	<ul style="list-style-type: none">● Tap  after a sequence resource to sequence videos in all the windows on the video wall.
--	--

Sequence Rule

The sequence rule is determined by the number of split windows and video channels. The details are as follows:

- If there is only one window, all video channels will be displayed in the window in sequence.
- If the number of split windows is less than the number of video channels, then the video channels will be grouped by the number of split windows and be displayed in the split windows in sequence.
- If the number of video channels is less than the number of split windows, then all video channels will be displayed in all split windows in sequence.



NOTE!

If you tap  to sequence videos in all the windows on the video wall, all windows except the selected window will have dashed borders.

3.2.3 Scene

You can save the current window layout and video service as a scene for quick recall.

Tap the **Scene** tab to view all scenes on the device.

Figure 3-4 Scene

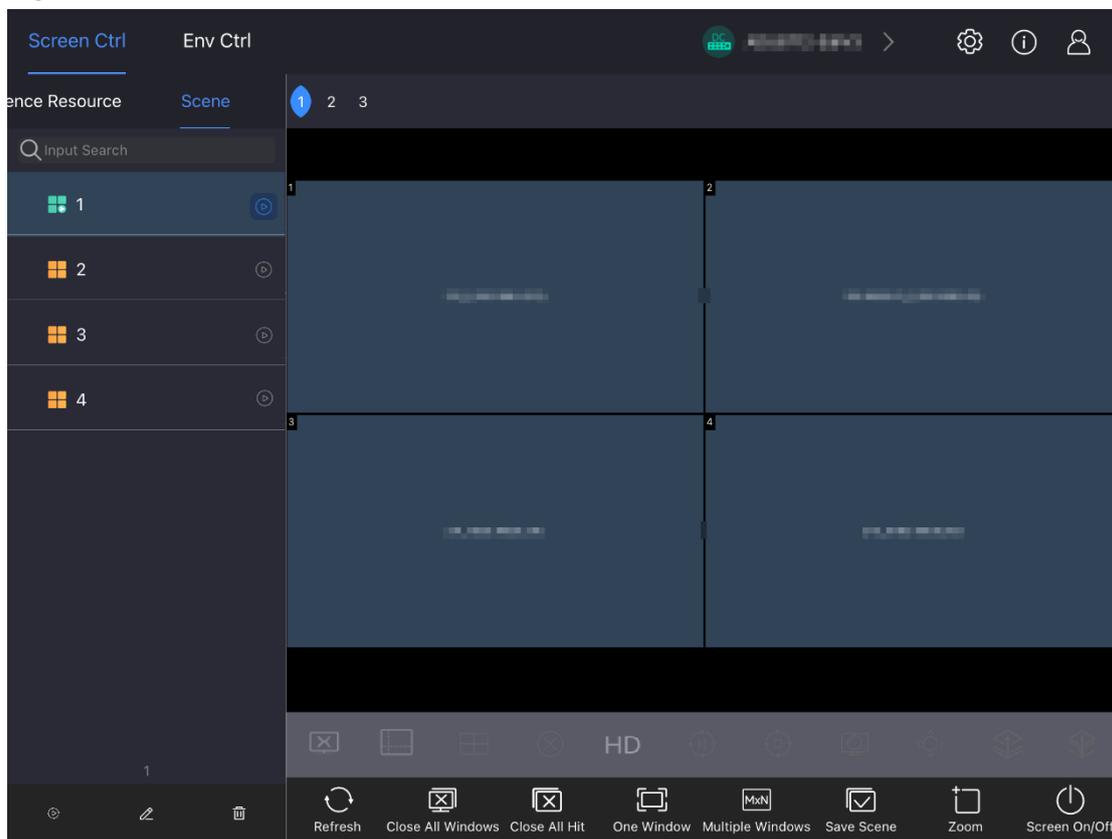


Table 3-3 Related Operations

Operation	Description
Refresh Resources	Swipe down on the resource list.
Search for Resources	Enter the keywords of the resource name you want to search for in the search box.
Check Scene Status	<ul style="list-style-type: none">  &  : The scene is playing.  &  : The scene is not played.
Start Scenes	Select the scene you want to play and tap  .
Edit Scenes	Select the scene you want to rename and tap  .
Delete Scenes	<ul style="list-style-type: none"> Delete one by one: Select the scene you want to delete and tap . Delete in batches: Tap and hold on a scene, select the scenes you want to delete, and tap .

3.3 Video Wall Control

You can use the toolbar to control the video wall including window layout, video playing, etc.



NOTE!

- The functions in the toolbar vary with the connected device types.
- The following describes all toolbar functions. The actual interface may vary.

3.3.1 Toolbar Description

- Window Toolbar: Configure the current selected window.
- Video Wall Toolbar: Configure all windows on the video wall.

Figure 3-5 Toolbar

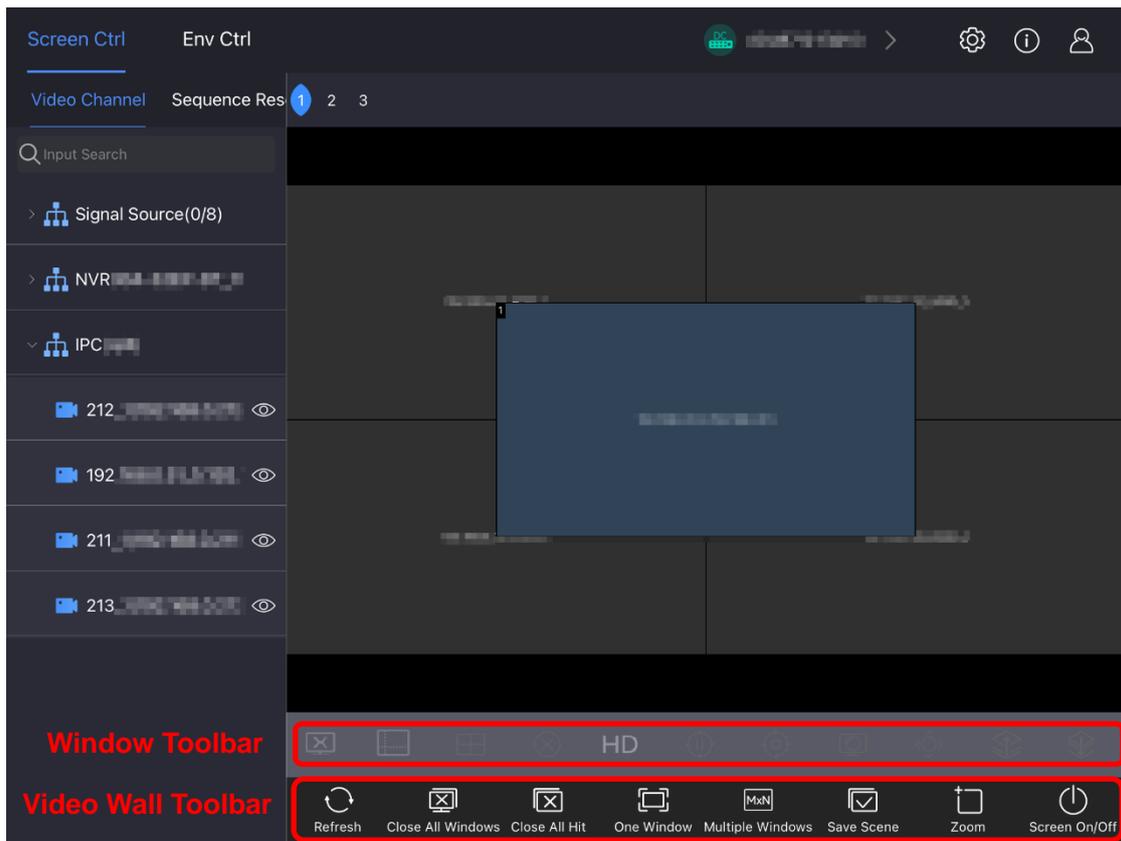


Table 3-4 Window Toolbar

Button	Description
	Close a window.

	Split the window. Set the number of split windows and layout.
	Splice multiple windows to a big window.
	Close a service.
	Select the video quality (HD/SD/Smooth).
	Start/stop decoding. Play the video channels in the window on the video wall.
	Start/stop sequence.
	Display video channels in the corresponding windows.
	PTZ control.
	Top/Bottom. Set the window to display on top/at bottom of all other windows.

3.3.2 Toolbar Operations

Close Windows

- Close one window: Select the window and tap  on the window toolbar.
- Close all windows: Tap  on the video wall toolbar.

Close Video

- Close video in a window: Select the window and tap . The window remains.
- Close video in all windows: Tap . The windows remain.

Open Windows

- **Open one by one:**

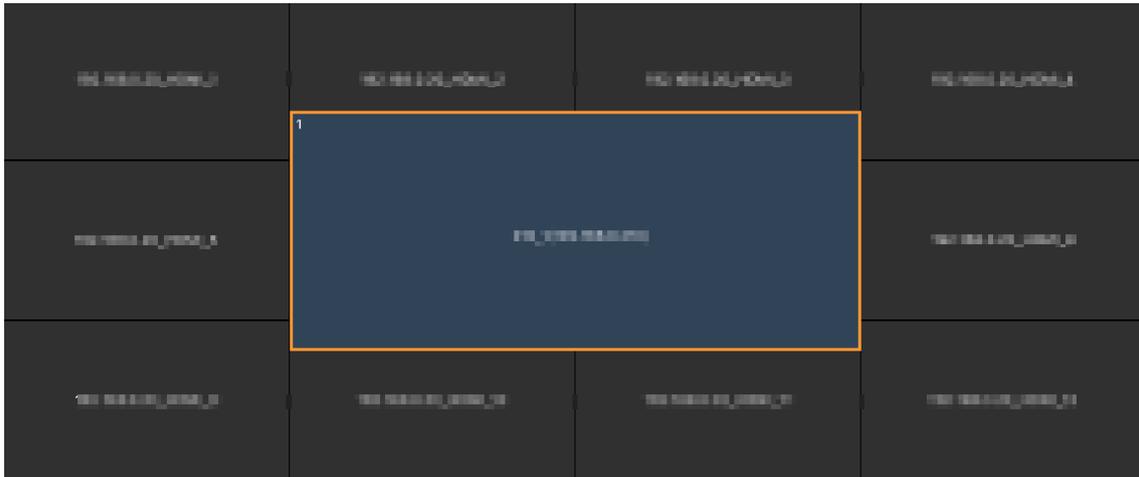
Tap  to open a new window.



NOTE!

The new window is displayed at the center with half the width and height of the screen.

Figure 3-6 Open a Window



● **Open in batches:**

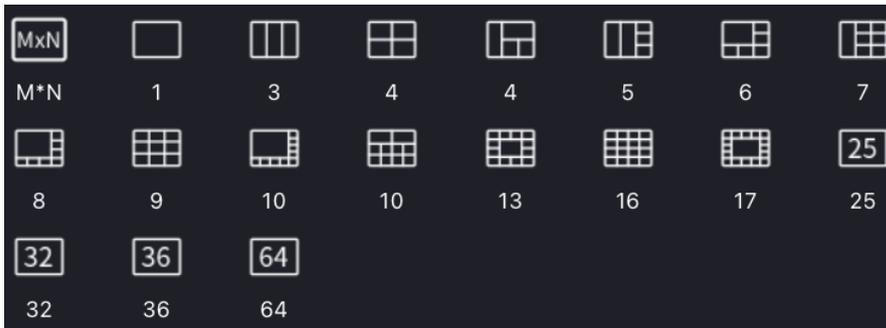


NOTE!

This function is not available if any area on the video wall is not bound to a decoding channel.

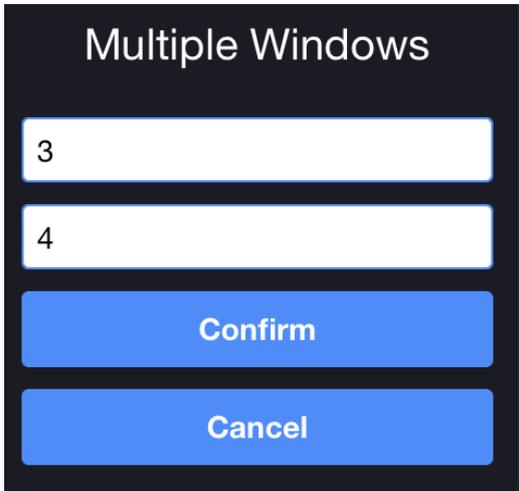
Tap **MXN** and choose a mode.

Figure 3-7 Choose Open Window Mode



- Use templates: Choose an option, for example, 4, to open 4 windows.
- Custom: Select **MxN**, set the number of rows and columns, and then tap **Confirm**.

Figure 3-8 Customize Multiple Windows



Split a Window

Select a window and tap  to choose a splitting method.

Figure 3-9 Choose Splitting Method

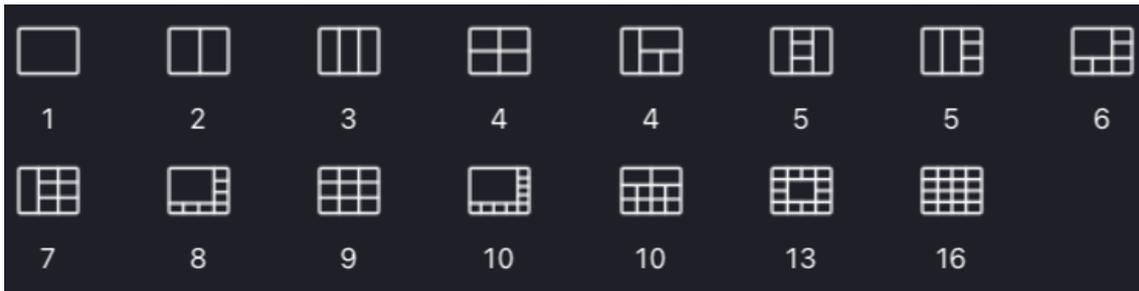
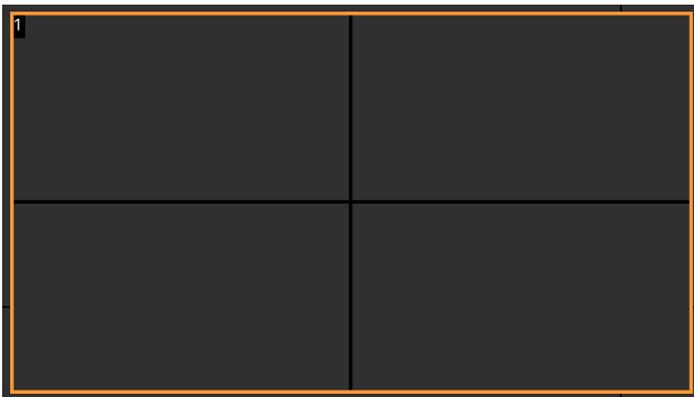


Figure 3-10 Split a Window



NOTE!

If you switch to a layout with less split windows, video in the closed split windows will stop, and cannot be restored automatically after you switch back to the current layout. You need to start the video manually.

PTZ Control

For PTZ cameras, you can adjust the field of view by controlling PTZ.



NOTE!

This function is only available to PTZ cameras.

Select a window and tap  to open the PTZ control panel. To hide the panel, tap  again.

Figure 3-11 PTZ Control

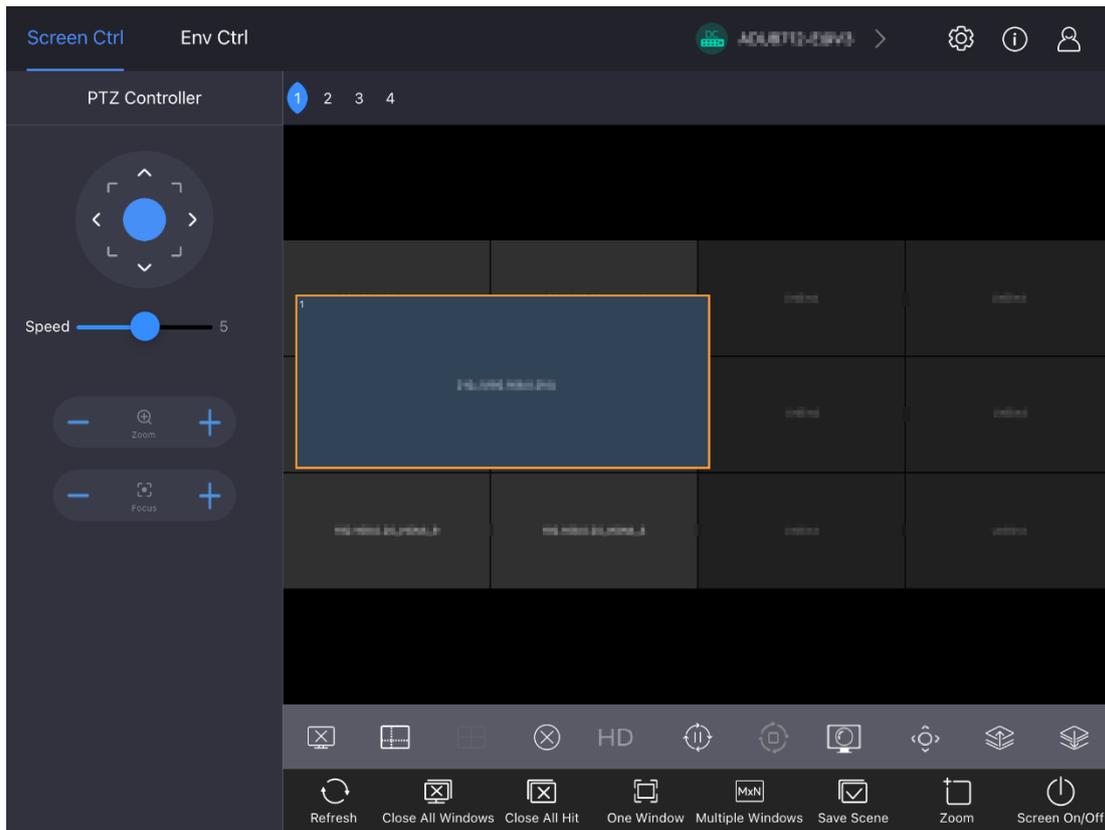


Table 3-5 Related Operations

Button	Description
	Tap the arrow to adjust the PTZ rotation direction.
	Drag the slider to adjust the PTZ rotation speed.
	Zoom: Tap +/- to zoom in/out on images.

	Focus: Tap +/- to focus far/near for sharp images at a distance/at close range.
---	---

Display a Window on the Top/Bottom

- Display a window on the top: Select a window and tap .
- Display a window on the bottom: Select a window and tap .



NOTE!

If multiple windows are on top of each other, only the window on the top will be visible on the video wall.

Resize a Window

- Pinch open or closed on a window to resize it.
- Drag the borders of a window to resize it.
- Drag the corners of a window to resize it.
- Double-tap a window to maximize it.

Splice Windows

You can splice multiple windows to a large window.

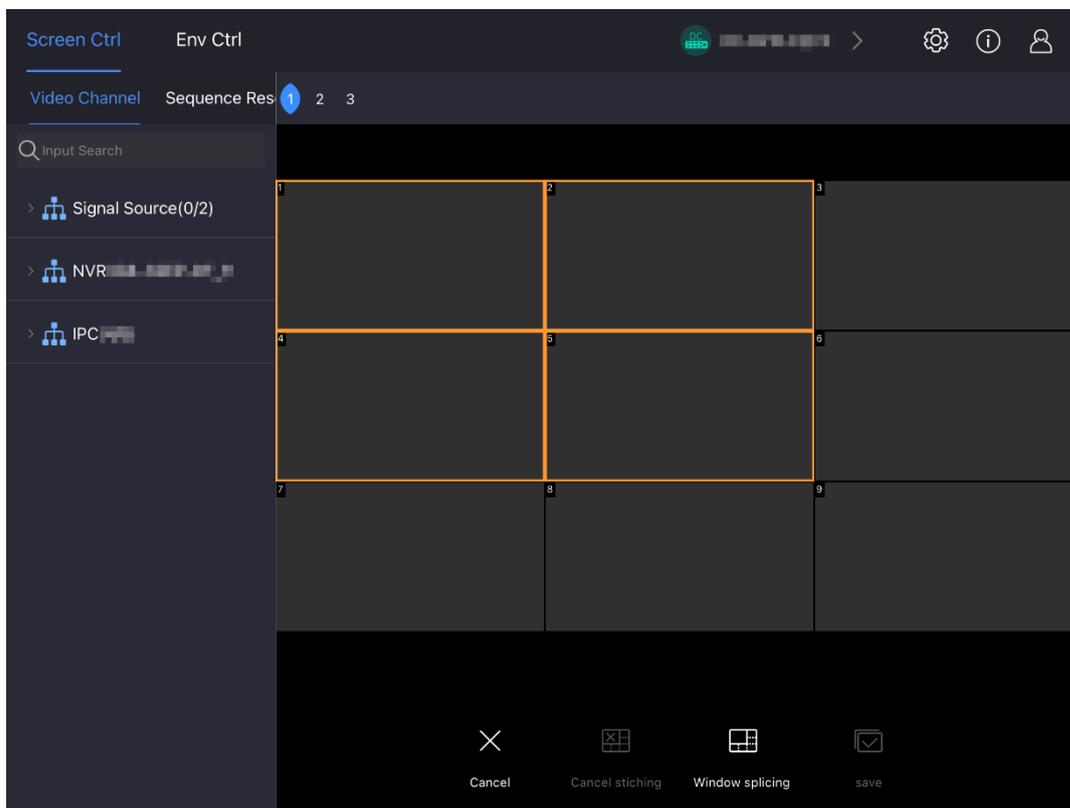


NOTE!

- This function is only available to certain decoding devices.
- The selected windows are required to form a rectangle.

3. Tap .

Figure 3-12 Window Splicing

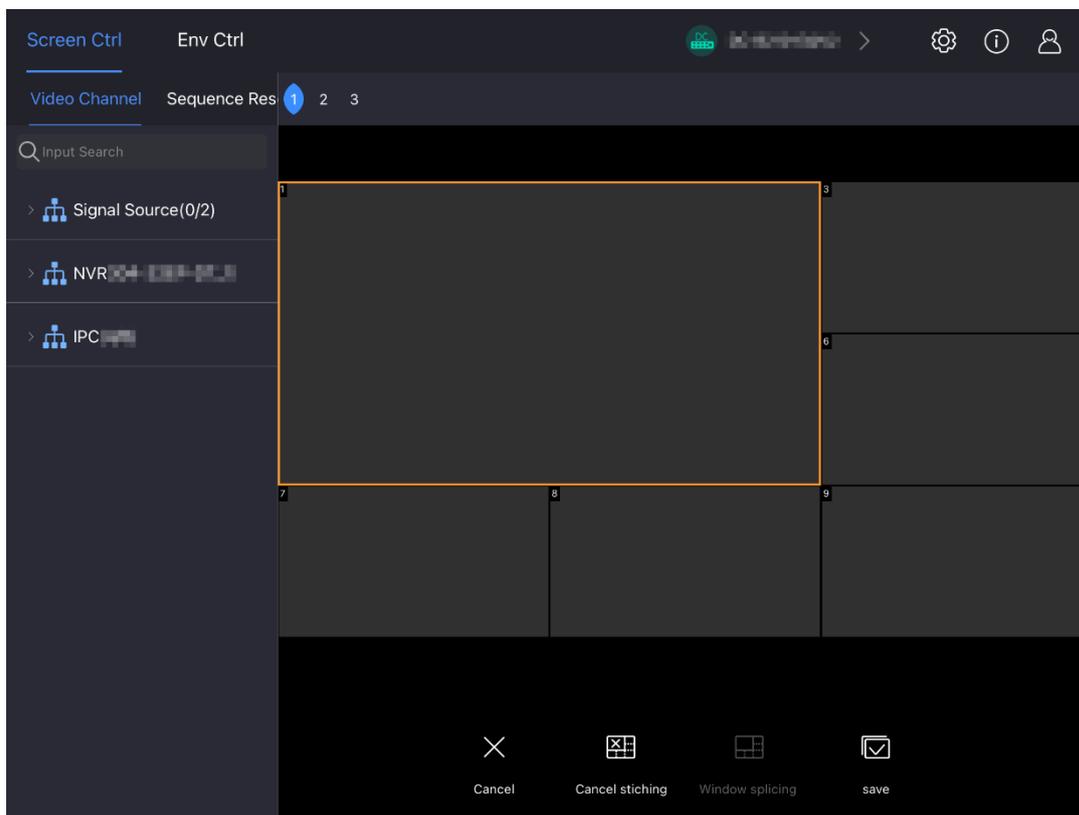


4. Select the windows you want to splice and tap . Then the selected windows are spliced together.
5. Tap .

**NOTE!**

- To restore, select the spliced window and tap .
- To exit, tap .

Figure 3-13 Window Splicing Succeeded

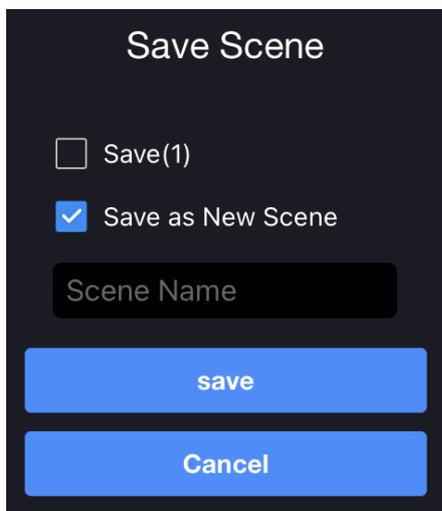


Save a Scene

You can save the current window layout and video service as a scene.

6. Tap .
7. Choose a saving method.
 - To save and overwrite the existing scene, select **Save**.
 - To save as a new scene, select **Save As New Scene** and enter the scene name.

Figure 3-14 Save a Scene



8. Tap **Save**.

Other Functions

Table 3-6 Other Functions

Function	Description
Refresh Windows	Tap  to refresh all the windows.
Set Video Quality	Select a window and tap High/Medium/Low to set the video quality in the window.
Live View	Select a window and tap  to view the video playing in the window on the physical video wall.
Window Roaming	Drag a window to move it to anywhere you like on the video wall.
Turn On/Off Screen	Tap  to turn on or off LED screens.

4 Environment Control

You can quickly operate the customized Web page and control the central control devices remotely. For example, use the buttons on the interface to remotely control the central control device to open/close the curtains, adjust the volume of the audio, and so on.



NOTE!

- To use this function, import the project package exported from the visual programming server to the App. Please contact the technical support to obtain the project package.
 - Once imported, you don't need to import the project package again if you change the login display&control device.
-

4.1 Import Project

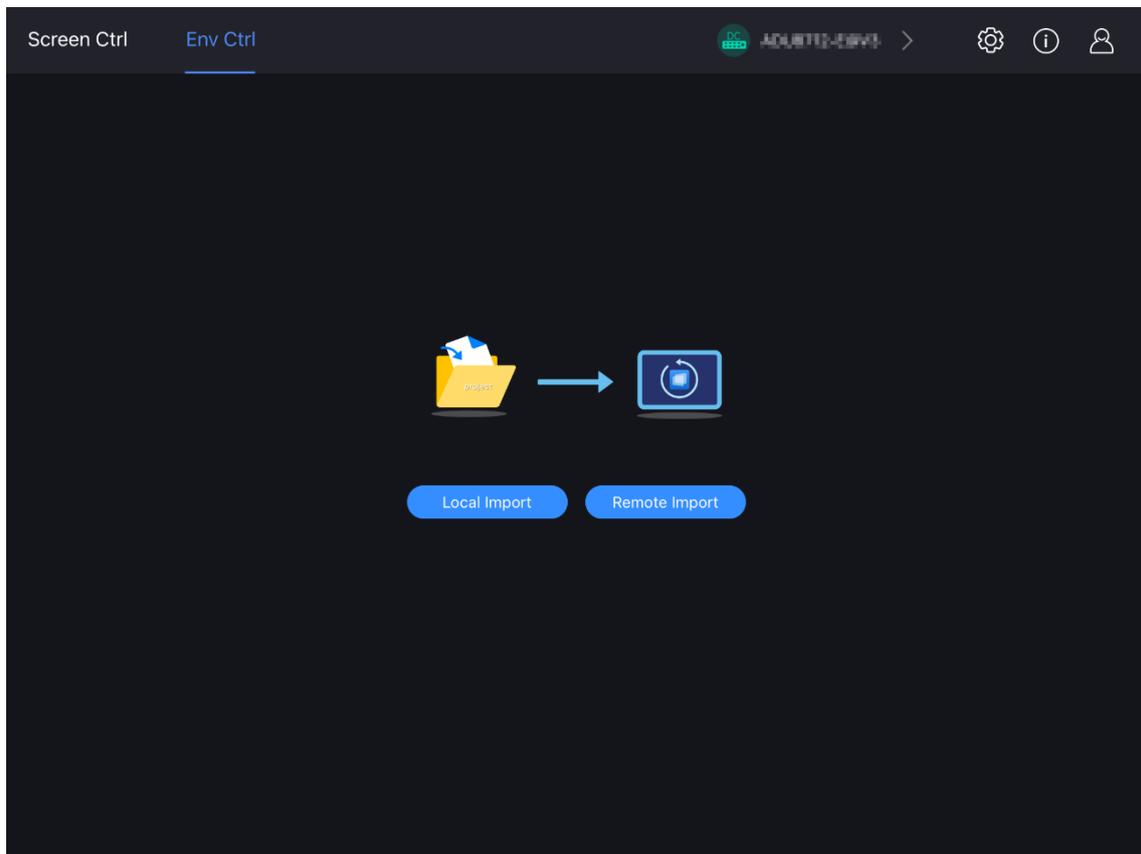
Import the project package provided by the technical support to control the central control device remotely.

9. Tap the **Env Ctrl** tab.

10. Choose an import method.

- Local Import: Import the project package from local.
- Remote Import: Enter the visual programming server IP, port, and download password. Tap **Download**, and project package will be downloaded and imported directly from the visual programming server.

Figure 4-1 Environment Control



4.2 Replace Project

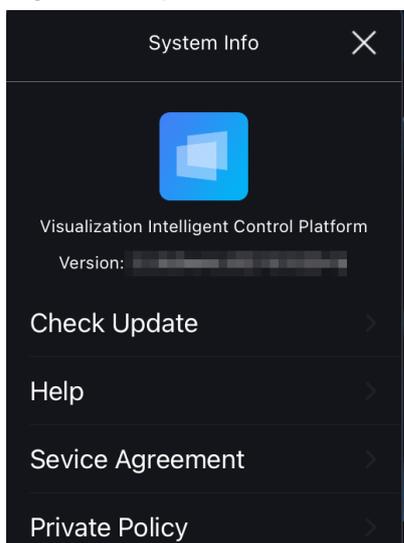
You can change the imported project package.

11. To replace the imported project package, tap  in the upper right corner, and then select **Import Project**.
12. Repeat the operations of the first import.

5 System Info

Tap  in the upper right corner to check version upgrades, and view the system version, help manual, service agreement, and privacy policy.

Figure 5-1 System Info



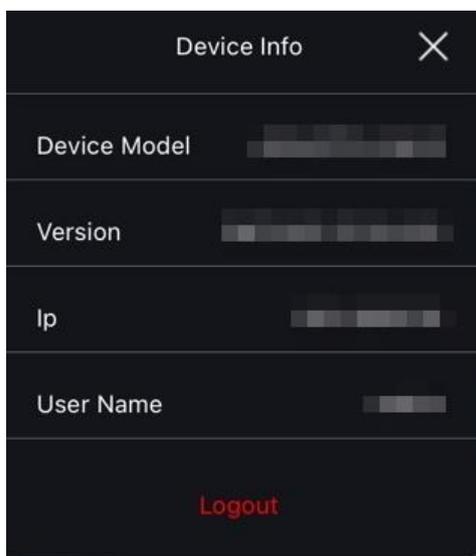
Version Upgrades

Tap **Check Update**. If the current version is not the latest version, you can follow the on-screen instructions to redirect to the app store to update the app version.

6 Device Info

Tap  in the upper right corner to view the device information, including the model, software version, IP address, and login username.

Figure 6-1 Device Info



Log out of the app

To log out of the app, tap **Logout** to return to the login screen.