




# NOVASTAR ViPlex Express Display Content Publishing Management System User Manual

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**NOVASTAR ViPlex Express Display Content Publishing Management System**



ViPlex Express is a display content publishing management system for PC that is installed in the Windows operating system. It allows users to edit solutions and play them on LCD or LED displays. In async mode, ViPlex Express can also be used to control multimedia players. It is part of the NovaStar cloud solution.

**ViPlex Express has two working modes:** Professional Solution Editing and All-round Terminal Control. In Professional Solution Editing mode, users can edit solutions with various contents and complex schedules. In All-round Terminal Control mode, users can fully control multimedia players, including brightness adjustment, time synchronization, font management, terminal upgrade, video source switching, screen status control, play log query, network configuration, and RF management.

**To use ViPlex Express, you need to prepare a PC with the following minimum requirements :**

- **Operating System:** Windows 7 SP1 64-bit
- **CPU:** i5
- **RAM:** 4 GB
- **HDD:** 60 GB

To install the software, you need to ensure that Framework 4.6.x and the official version of Visual C++ 2017 runtime components are installed. You can obtain the installation package of ViPlex Express from <http://www.en.vnnox.com/download>. Double click the installer and follow the wizard to install the software. After installation, it's important to check the PC configuration options to ensure stable playback. The user manual provides detailed instructions on checking and configuring various options in Windows, such as Windows automatic update, firewall settings, screen sleep, scaling size, multiple displays, UAC, Antimalware Service Executable, and Super fetch. For example, to check the Windows automatic update setting:

1. Click on the Windows Start menu.
2. Choose Update & Security
3. On the Windows Update page, click Advanced options.
4. Check whether Windows automatic update is turned off. Similarly, the user manual provides step-by-step instructions for checking and configuring other options.

Please note that the instructions provided here are a small portion of the complete user manual. For detailed information and instructions, please refer to the ViPlex Express Studio Mode User Manual available at [www.novastar.tech](http://www.novastar.tech).

## Software Introduction

ViPlex Express is a display content publishing management system for PC, which is installed in the Windows operating system and allows you to edit solutions and play the solutions on LCD or LED displays. In async mode, ViPlex Express is also used to control multimedia players. This document introduces you to the functions and operations in studio mode.

ViPlex Express is part of the NovaStar cloud solution. On the startup page of studio mode, clicking Cloud Platform on the left menu allows you to view the related information.

## **Two Working Modes**

ViPlex Express has two working modes and you can switch to your desired mode based on the application scenario.

- **Studio Mode**

When a solution is being played in ViPlex Express, the solution is also played synchronously on the display.

This mode is applicable to synchronous playback.

The playback window is on the extended display. You can use the screen monitoring function to view the playback on your primary monitor.

- **Async Mode**

ViPlex Express sends solutions to multimedia players. The solutions will be stored in the multimedia players and played according to their playback plans. This mode is applicable to the scenario when multimedia players load displays.

## **Professional Solution Editing**

ViPlex Express is designed with a professional solution editing function allowing you to edit solutions with various contents and complex schedules as required.

- **Multiple pages**

A solution can be added with multiple pages that are played in order from top to bottom.

- **Flexible layout**

You can use a system template or customize a template when adding a page. In a template, you can set the number, coordinates, width, and height of windows based on your needs.

- **A variety of media**

On a page, you can add general windows, cut-to-display window, Office documents, images, videos, GIF, text, colorful text, digital clocks, analog clocks, timers, weather, RSS, streaming media and web pages.

- **Multiple properties**

Every type of media has multiple properties that can satisfy your needs and present a variety of solutions.

- **Scheduling as you wish**

You can set a period and cycle for each page to play. The schedules of a page can be batch applied to other pages. If the periods of several pages overlap, the pages will be played in order from top to bottom

- **Quick preview**

Clicking the preview button allows you to preview the current page. The preview window refreshes immediately when you move on to another page.

## **All-round Terminal Control**

In async mode, ViPlex Express enables you to fully control multimedia players, such as brightness adjustment, time synchronization, font management, terminal upgrade, video source switching, screen status control, play log query, network configuration, and RF management.

## Getting Started

### Preparing a PC

#### Minimum requirements:

- **OS:** Windows 7 SP1 64-bit
- **CPU:** i5
- **RAM:** 4 GB
- **HDD:** 60 GB

### Installing Software

#### Prerequisites

- Framework 4.6.x is installed.
- The official version of Visual C++ 2017 runtime components are installed.
- The installation package of ViPlex Express is obtained.

#### Where to Obtain

<http://www.en.vnnox.com/download>

### Installing Software

Double click the installer to install ViPlex Express by following the wizard.


### Checking PC Configuration Options

To ensure stable playback, please check the Windows configuration options shown in Table 2-1. If a configuration option does not conform to the target status, please change it. This chapter takes Windows 10 as an example.

Table 2-1 Configuration options

Configuration Options	Target Status
Windows automatic update	Off
Firewall	<ul style="list-style-type: none"><li>• Off</li><li>• Allow program connection</li><li>• Conforms to any of the above statuses.</li></ul>
Turn off screen	Never
Sleep	Never
Scaling size	100%
Multiple displays	Duplicate these displays
UAC	Never notify
Antimalware Service Executable	Disabled
Superfetch	Manual

## Windows Automatic Update

- **Step 1** Click  on the Windows Start menu.
- **Step 2** Choose Update & Security.
- **Step 3** On the Windows Update page, click Advanced options.
- **Step 4** Check whether Windows automatic update is turned off.

### Advanced options

#### Update Options

Give me updates for other Microsoft products when I update Windows.

☒ On

Automatically download updates, even over metered data connections (charges may apply)

☐ Off

We'll show a reminder when we're going to restart. If you want to see more notifications about restarting, turn this on.

☐ Off

## Firewall


- **Step 1** Click on  the Windows Start menu.
- **Step 2** Choose Update & Security.
- **Step 3** Select Windows Security.
- **Step 4** Click Open Windows Defender Security Center.
- **Step 5** Check whether the firewall is turned off. If the firewall needs to be turned on, check whether the connection is allowed. For the method to allow program connection, see 7.1 How to set the inbound firewall rules?

Figure 2-2 Firewall



#### Virus & threat protection

Actions needed in McAfee VirusScan.  
[Open McAfee VirusScan](#)



Account protection  
Sign in to Microsoft for enhanced security.

[Sign in](#)

[Dismiss](#)



#### Firewall & network protection

Actions needed in McAfee Firewall.  
[Open McAfee Firewall](#)



App & browser control  
No action needed.



Device security  
No action needed.



Device performance & health  
No action needed.



Family options  
Manage how your family uses their devices.

## Screen off and Sleep


- **Step 1** Click on  the Windows Start menu.
- **Step 2** Choose System.
- **Step 3** Choose Power & sleep.
- **Step 4** Check whether all the four configuration options are set to Never.

Figure 2-3 Screen off and sleep

## Power & sleep

### Screen

On battery power, turn off after

Never

When plugged in, turn off after

Never

### Sleep


On battery power, PC goes to sleep after

Never

When plugged in, PC goes to sleep after

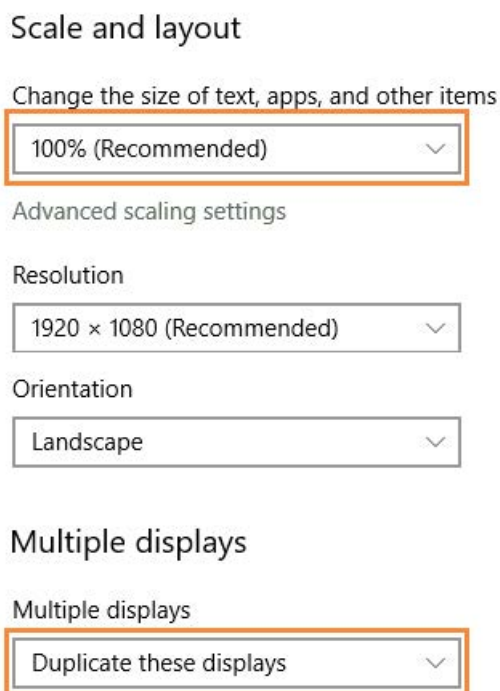
Never

## Scaling Size and Multiple Displays

- **Step 1** Click on  the Windows Start menu.
- **Step 2** Choose System.
- **Step 3** Check whether the scaling size is 100% and the option of multiple displays is set to Duplicate these displays.

**Note:** When multiple monitors are connected, the configuration option for multiple displays will appear.

Figure 2-4 Scaling size and multiple displays



## UAC


- **Step 1** Click on  the Windows Start menu.
- **Step 2** Type “User Accounts” in the search box and select Change User Account Control Settings.
- **Step 3** Check whether UAC is set to Never notify.

Figure 2-5 UAC

### Choose when to be notified about changes to your computer


User Account Control helps prevent potentially harmful programs from making changes to your computer.  
[Tell me more about User Account Control settings](#)

Always notify



#### Never notify me when:

- Apps try to install software or make changes to my computer
- I make changes to Windows settings

 Not recommended.

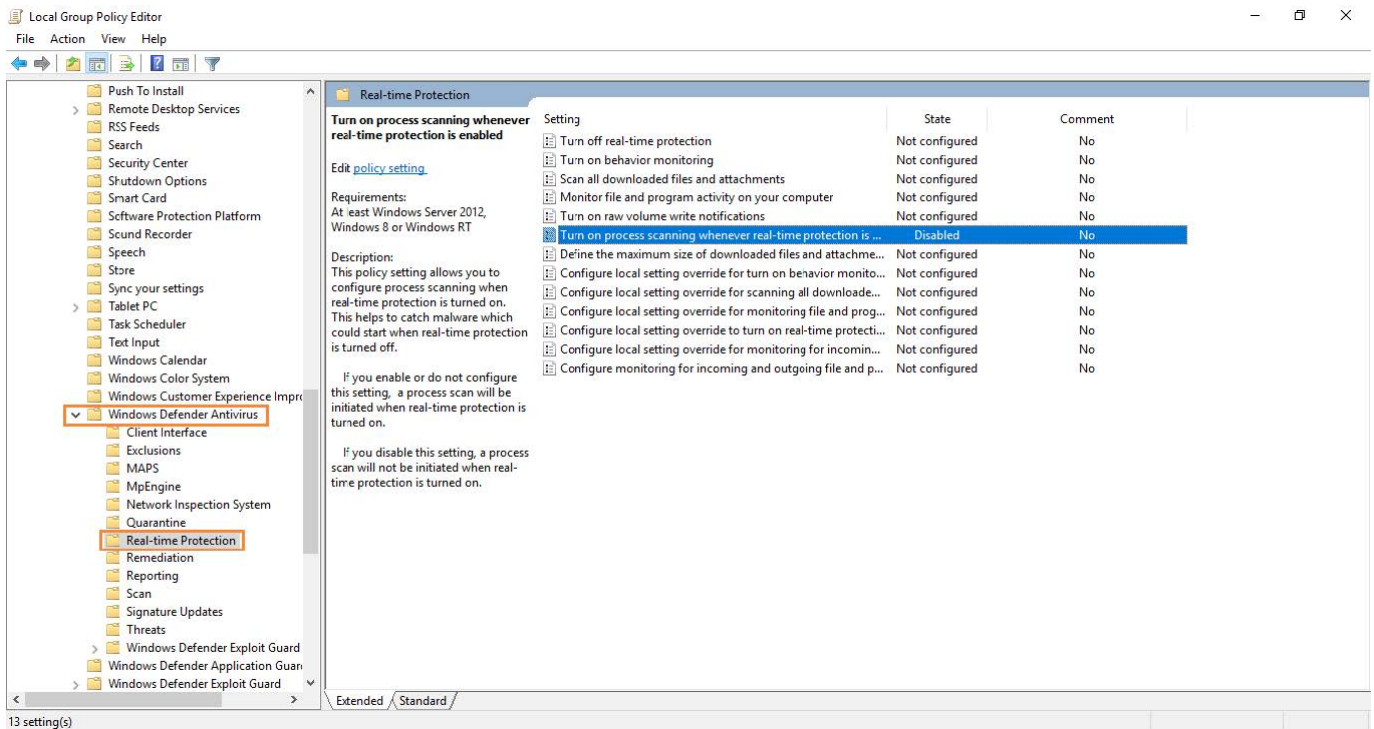
 OK  Cancel

### Antimalware Service Executable

- **Step 1** Press Win+R buttons to open the Run window.
- **Step 2** Type gpedit.msc command and press Enter to open the Local Group Policy Editor dialog box.
- **Step 3** Expand Computer Configuration > Administrative Templates > Windows Components > Windows Defender Antivirus.
- **Step 4** Click Real-time Protection.
- **Step 5** Check whether the status of Turn on process scanning whenever real-time protection is enabled is Disabled.

Figure 2-6 Antimalware service executable

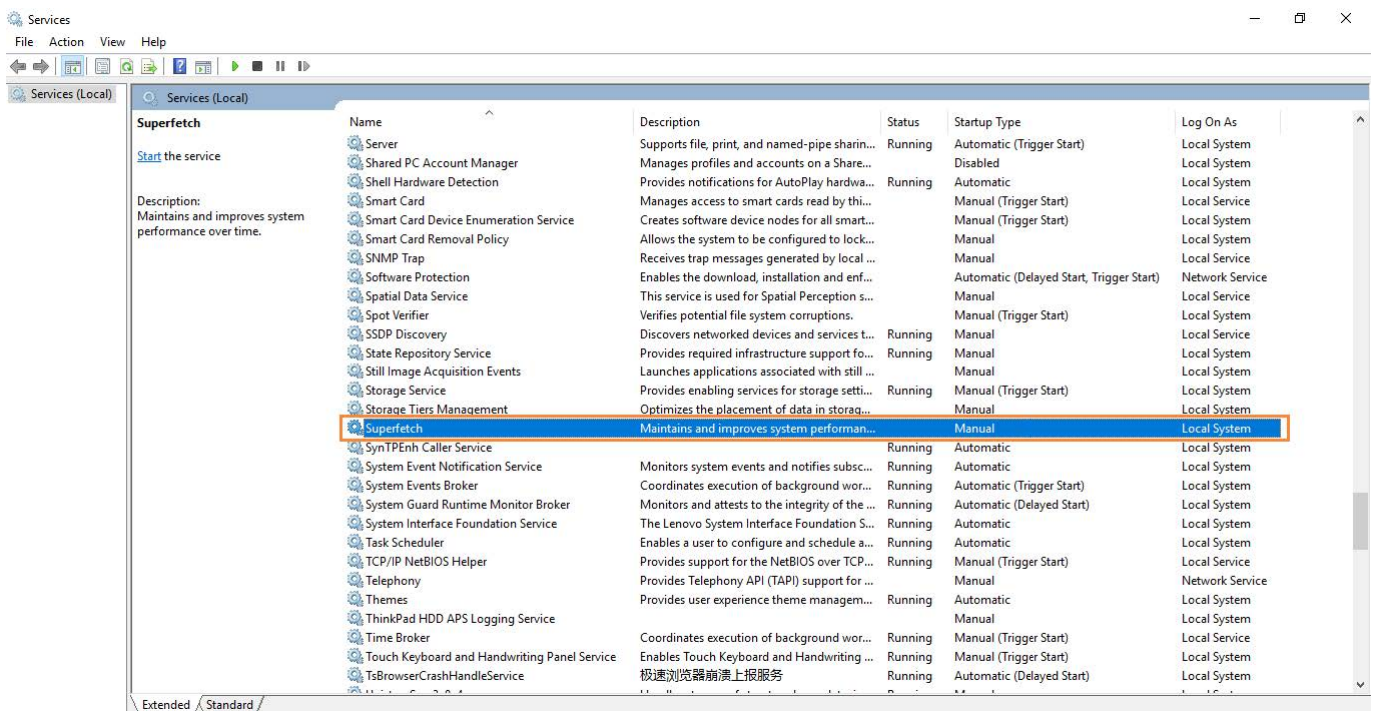




## Superfetch

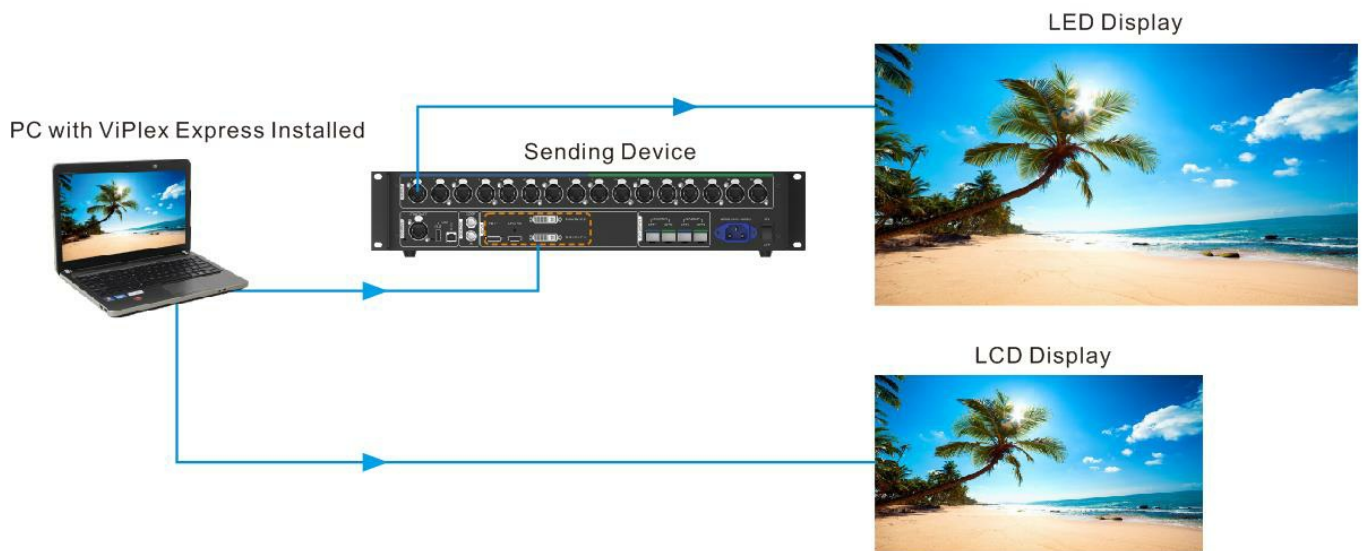
- **Step 1** Press Win+R buttons to open the Run window
- **Step 2** Type services.msc command and press Enter to open the Services dialog box.
- **Step 3** Check whether the startup type of Superfetch is Manual.

Figure 2-7 Superfetch



## Connecting to Displays

Figure 2-8 Connecting to displays



- **Connection 1**

The PC with ViPlex Express installed is connected to a sending card and serves as a video source for the LED display. Figure 2-8 uses the MCTRL4K sending device as an example.

- **Connection 2**

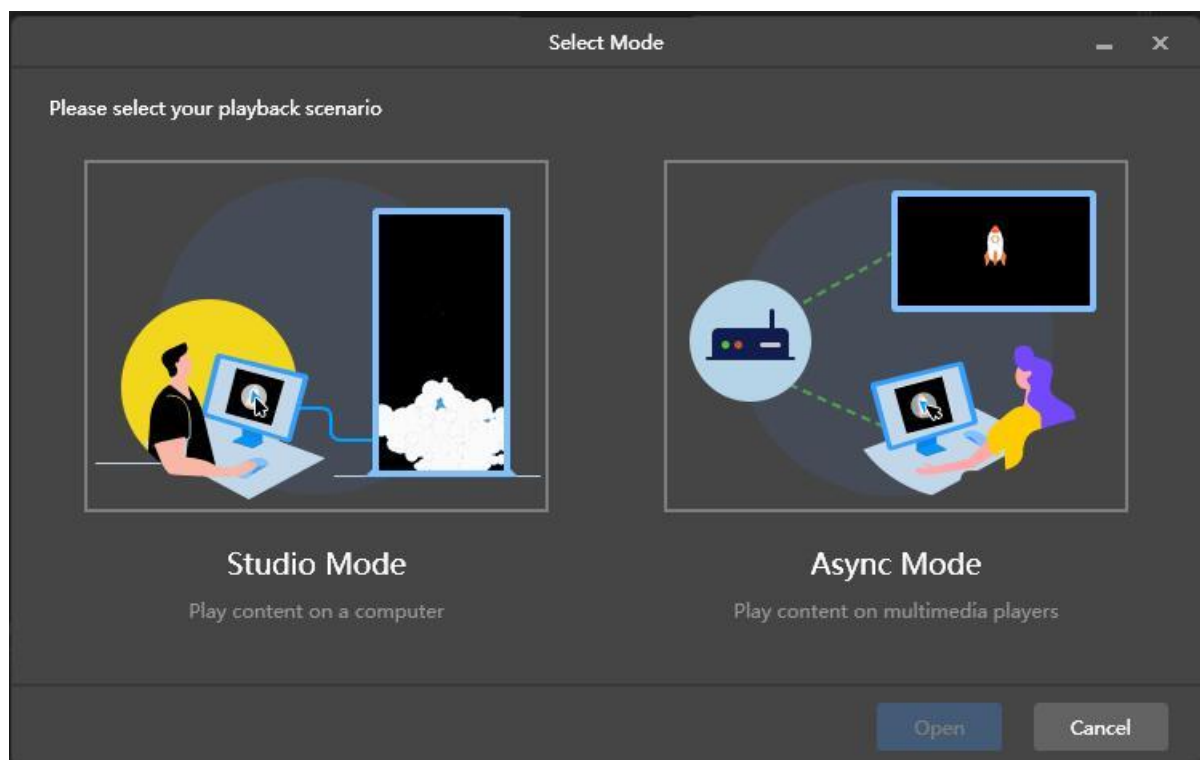
The PC with ViPlex Express installed is connected to an LCD and serves as a video source for the LCD.

## Selecting Working Mode

### First Installation

After ViPlex Express is first installed, a Select Mode dialog box appears when you open ViPlex Express. Select Studio Mode and click Open.


Figure 2-9 Selecting a working mode



### Other Situations

If you have installed ViPlex Express or selected a working mode before, the dialog box shown in Figure 2-9 will

not appear. If ViPlex Express is in async mode by default after opened, switch to studio mode by following the steps below:

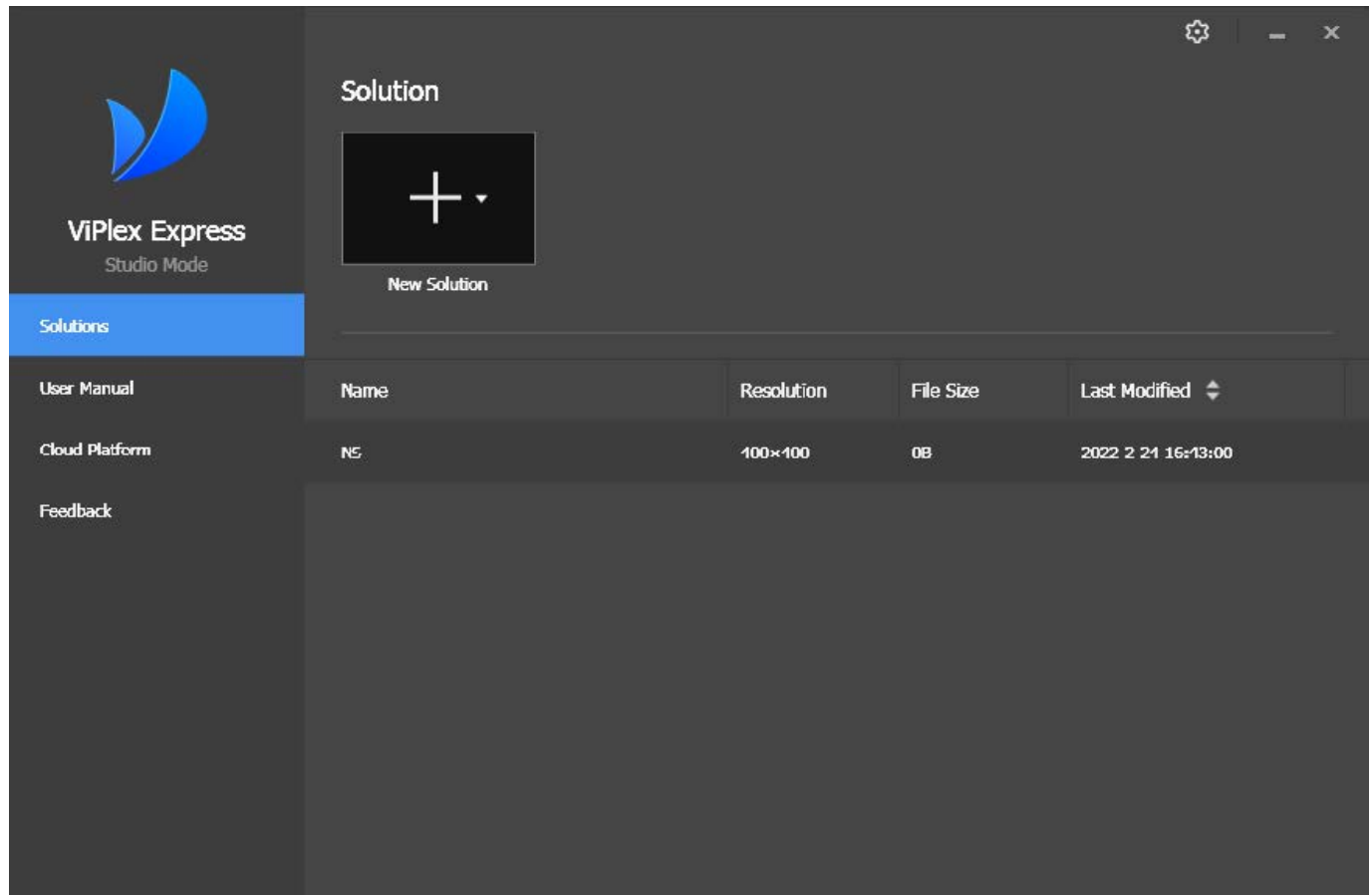
In the top-right corner, choose  Working Mode > Studio Mode and click OK. ViPlex Express will be in studiomode after restarted.

### Creating Solutions

After updated, the solution data in async mode will be synchronized to studio mode.

- Step 1 After you select studio mode, the startup page of studio mode is displayed.

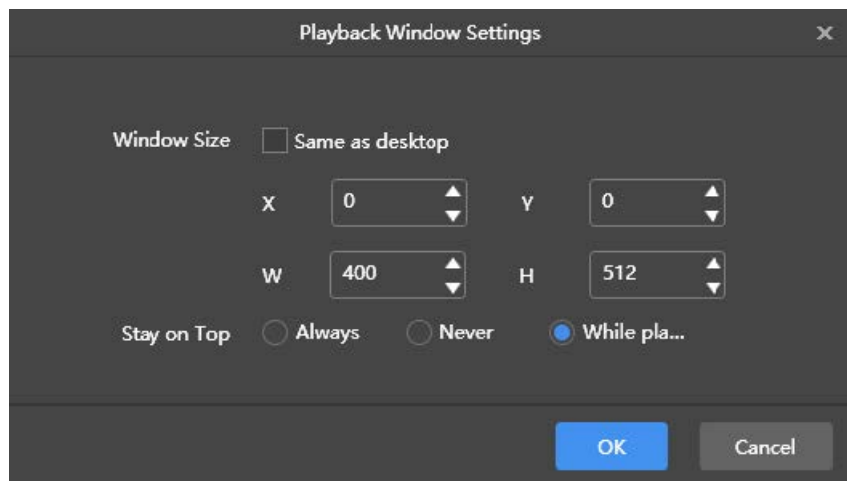
Figure 2-10 Startup page of studio mode



- **Step 2** Click + and select Regular Screen or Ultra-Long Screen.
  - Select Regular Screen to access the solution editing page.

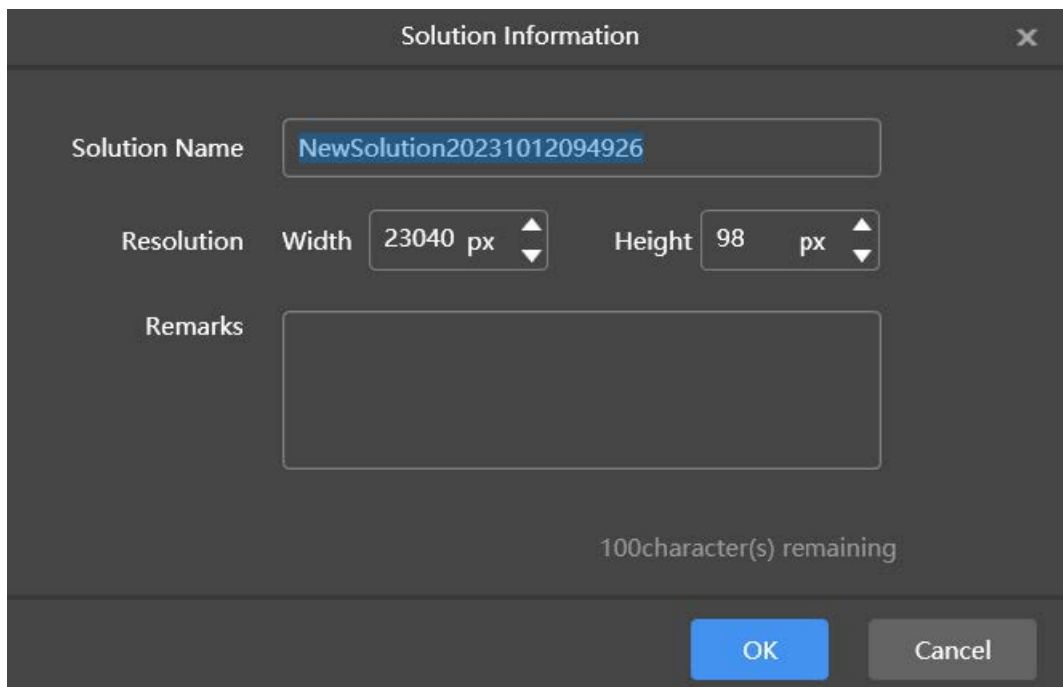
On the solution editing page, choose Playback Window > Playback Window Settings from the menu bar and set the coordinates, width, and height of the playback window and select an option of keeping the window on top. If Same as desktop is selected, the size of the playback window will be the same as the size of your desktop.




Figure 2-11 Playback window settings



- Select Ultra-Long Screen to open the Solution Information dialog box, as shown in Figure 2-12.

Figure 2-12 Solution information



- **Step 3** Set the solution information and click OK.
- **Step 4** After the solution editing is done, click Save.
- **Step 5** (Optional) At the upper right of the page, click  to view the schedule of each page in the solution.
- **Step 6** (Optional) At the upper right of the page, click  to preview the current page.  
When the preview window is opened, you can also select other pages to preview. If you make changes to the current page, click  to refresh the preview window.

## Playing Solutions


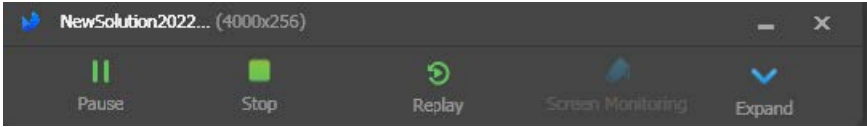





- **Step 1** On the solution editing page, click  at the upper right to play a solution.
- **Step 2** The solution editing page is not displayed and a playback control bar appears.

Figure 2-13 Playback control bar



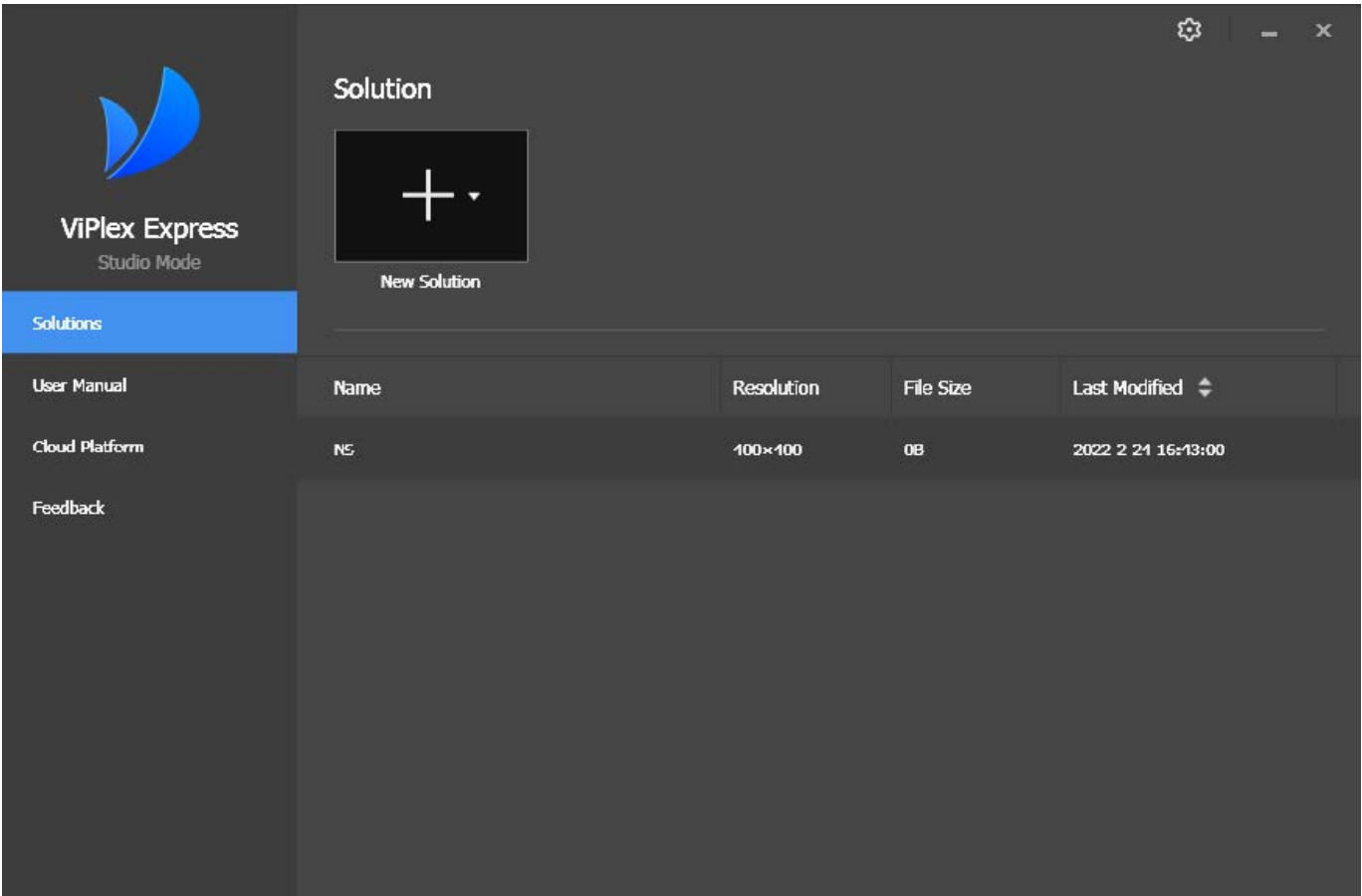
- : Pause playback. After the playback is paused, this button changes to the Play button.
- : Stop playback and display the solution editing page.
- : Restart the playback from the beginning.
- : Expand the solution editing page.
- : Collapse the solution editing page.

Solution Management

Creating Solution

- Step 1 After you select studio mode, the startup page of studio mode is displayed.
  - You can create solutions for regular screens (hereinafter referred to as “regular-screen solutions”) and solutions for ultra-long screens (hereinafter referred to as “ultra-long-screen solutions”).
  - After updated, the solution data in async mode will be synchronized to studio mode.

Figure 3-1 Startup page of studio mode



Creating a Regular-Screen Solution

Related Information

- A regular-screen solution contains one or more pages and each page contains one or more media items.
- The pages of a solution are played in order from top to bottom.

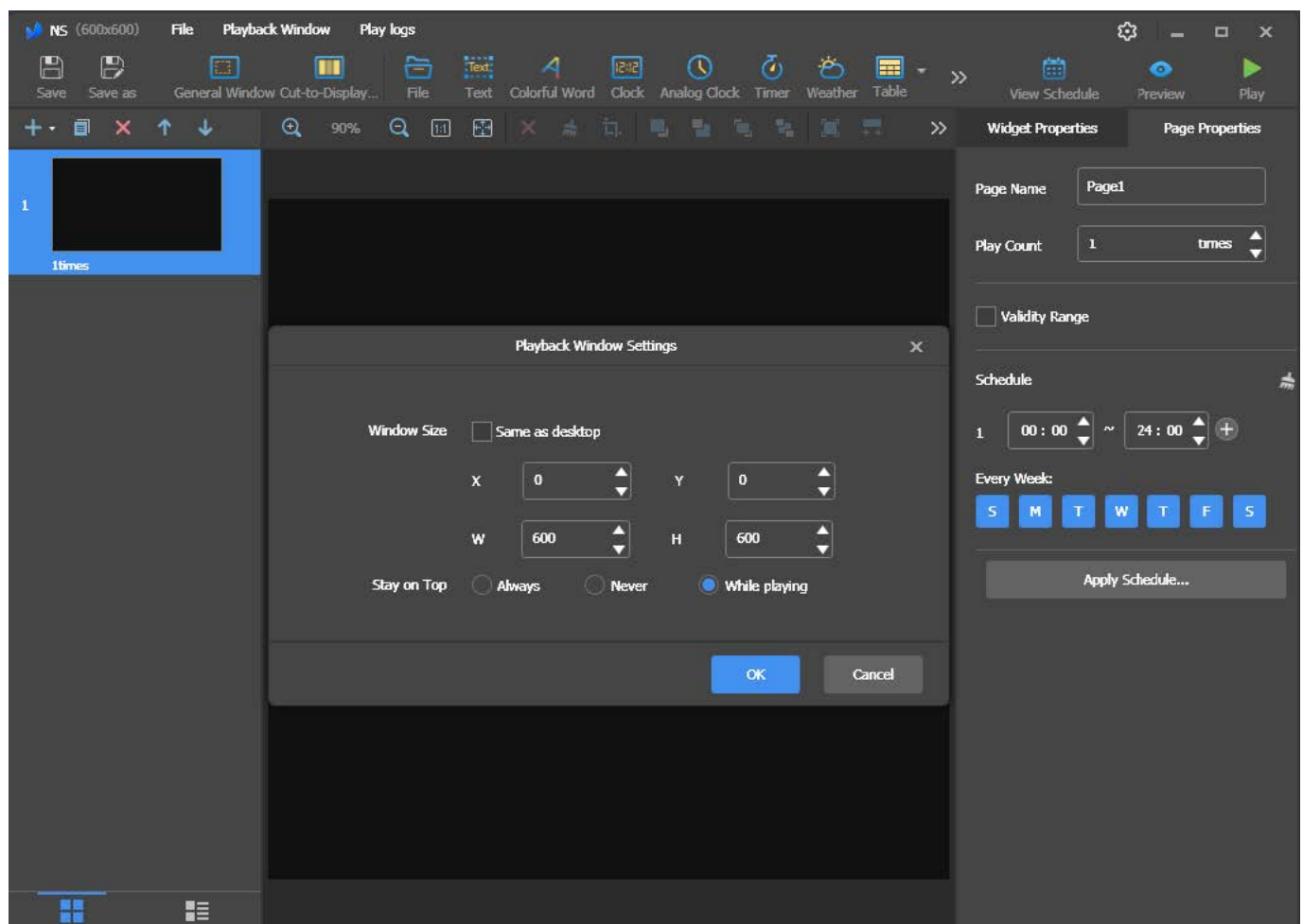
## Operating Procedure

Before you create a solution, get the screen resolution in advance.

- **Step 1** Click + and select Regular Screen from the drop-down menu.
  - When you access the studio mode for the first time to create a regular-screen solution, you are prompted to set the playback window, as shown in Figure 3-2.

The playback window and screen must be consistent in resolution.

Figure 3-2 Playback window settings

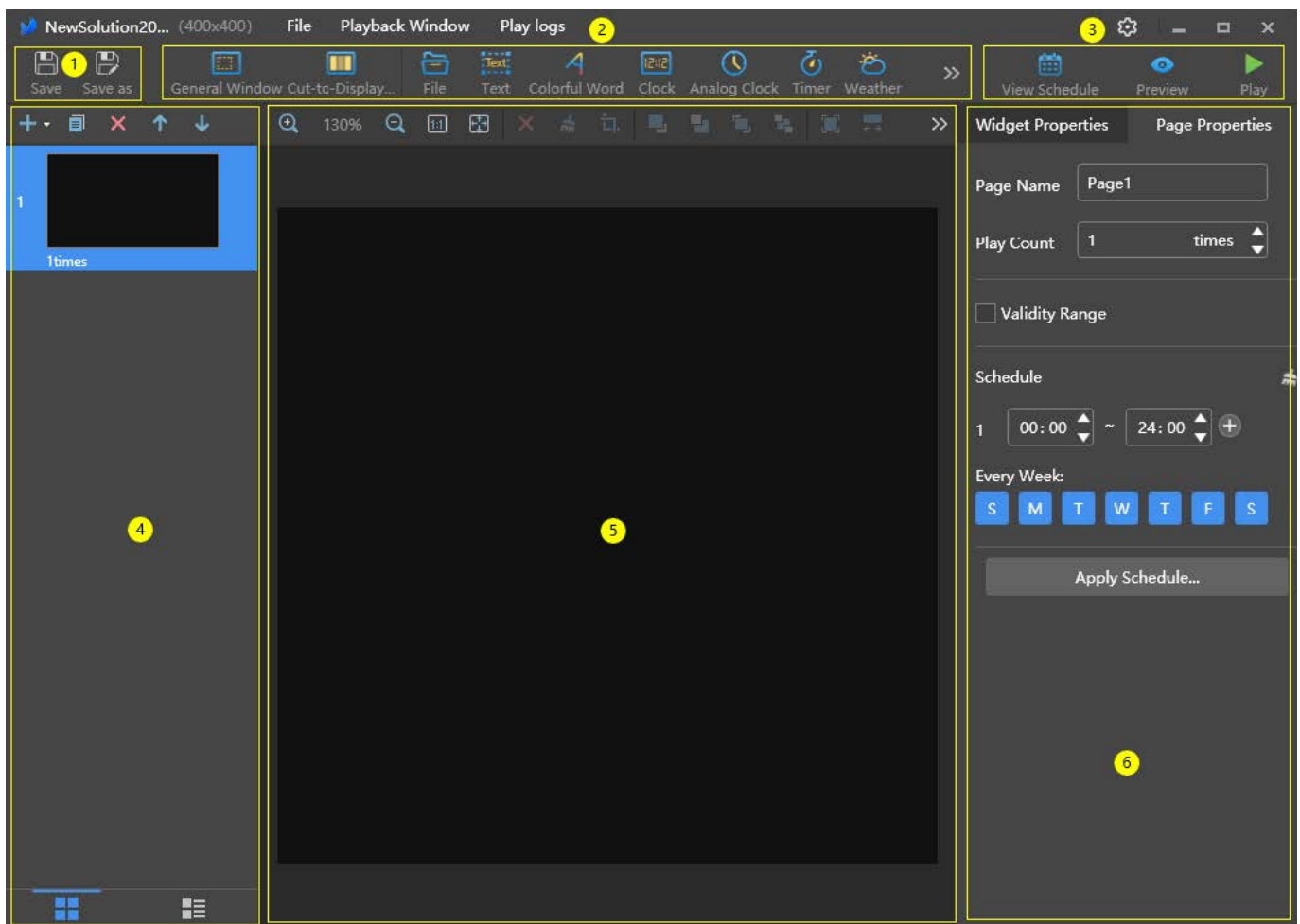


- In other situations, the solution editing page is displayed when you access the studio mode to create a regular-screen solution, as shown in Figure 3-3.

You can resize and reposition the playback window and choose to show or hide the playback window. For details, see 4 Playback Management.









Figure 3-3 Solution editing page










































The description of the solution editing page is shown in Table 3-1.

Table 3-1 Description of the solution editing page




No.	Function	Description	
1	Saving a solution and saving a solution as another solution	Used for saving a solution and saving a solution as another solution	
2	Adding media You can click an icon to add a corresponding type of media.	 : General window	 : Cut-to-display window
		 : File	 : Text
		 : Colorful text	 : Digital clock
		 : Analog clock	 : Timer

No.	Function	Description	
		 : Weather	 : Table
		 : RSS	 : Streaming media
		 : Web page	
3	Viewing schedules, previewing pages and publishing solutions	Used for viewing schedules, previewing the current page and publishing solutions	
4	Editing solution pages You can add, copy and delete pages and adjust the order of pages. Pages are played in order from top to bottom.	 : Add	 : Open the <b>Page Template</b> dialog box
		 : Copy	 : Delete
		 : Move up	 : Move down
		 : Thumbnail view (Only the thumbnails of pages are displayed.)	 : List view: (The thumbnails of pages and the names of the media items contained in the currently selected page are displayed.)
5	Editing media on pages	 : Zoom editing area in	 : Zoom editing area out
		 : Show the editing area in the original size	 : Automatically fit the editing area according to the software interface
		 : Delete selected media	 : Clear all media
		 : Crop image	 : Bring forward
		 : Send backward	 : Bring to front
		 : Send to back	 : Fill the entire screen
		 : Fit the screen horizontally	 : Fit the screen vertically
		 : Align top	 : Center vertically
		 : Align bottom	 : Align left



		 : Align top	 : Center vertically
		 : Align bottom	 : Align left
		 : Center horizontally	 : Align right
6	Editing media on pages	<p>Used for editing widget and page properties</p> <ul style="list-style-type: none"> <li>• <b>Widget Properties:</b> Widgets are the media added to a page. The properties of different types of media vary. Click a widget to select it before you edit its properties.</li> <li>• <b>Page Properties:</b> Set the name, play count, validity range and playback schedule of a page. <ul style="list-style-type: none"> <li>– <b>Play Count:</b> Set the number of times to play a page continuously.</li> <li>– <b>Validity Range:</b> After this option is selected, the <b>Start Date</b> and <b>End Date</b> parameters are displayed. Expired pages will be skipped during solution playback.</li> <li>– <b>Schedule:</b> Allows you to specify the timeslots to play a page and select the days to repeat the playback. If the timeslots of different pages overlap, the pages will be</li> </ul> </li> </ul>	

## Notes

- When you add an Excel file, the number of rows of the Excel file must be less than or equal to 600 and the total width of the columns must be less than or equal to the width of an A4 landscape paper. It is recommended that you set the page layout of the Excel file to A4 landscape.
- Users can set the text color and merge the cells in the Excel file to be imported. Other properties of the cells in the Excel file currently cannot be displayed. Please scan the Feedback QR code in the navigation bar to give feedback if needed.
- A valid URL is required when you add RSS, streaming media, or web page media.
- When you add weather media, the terminal must be connected to the Internet so that it can obtain real-time weather information.
- For the limitations on cut-to-display windows, see 7.3 Limitations on Cut-to-Display Windows for Regular Screens.
- **Step 2** After the solution editing is done, click Save.
- **Step 3** (Optional) At the upper right of the page, click  to view the schedule of each page in the solution.
- **Step 4** (Optional) At the upper right of the page, click  to preview the current page.
- When the preview window is opened, you can also select other pages to preview. If you make changes to the current page, click  to refresh the preview window.

## Creating an Ultra-Long-Screen Solution Applications

If the pixel width of the resolution of a screen is greater than the pixel width of the maximum loading capacity of a multimedia player, but the screen resolution does not exceed the maximum loading capacity of the multimedia player, you can use ultra-long-screen solutions.

### Note:

For the limitations on the playback parameter specifications for ultra-long screens, see Table 7-2.

### Application Example

The resolution of a screen is 23040×98 and the screen works with the TB60 multimedia player for content playback.

- **Number of parts:**  $23040 / 096 = 5.625$  (Here an integer is required, so the number of parts is 6.)
- **Screen width to be configured:**  $23040 / 6 = 3840$
- **Screen height to be configured:**  $98 \times 6 = 588$

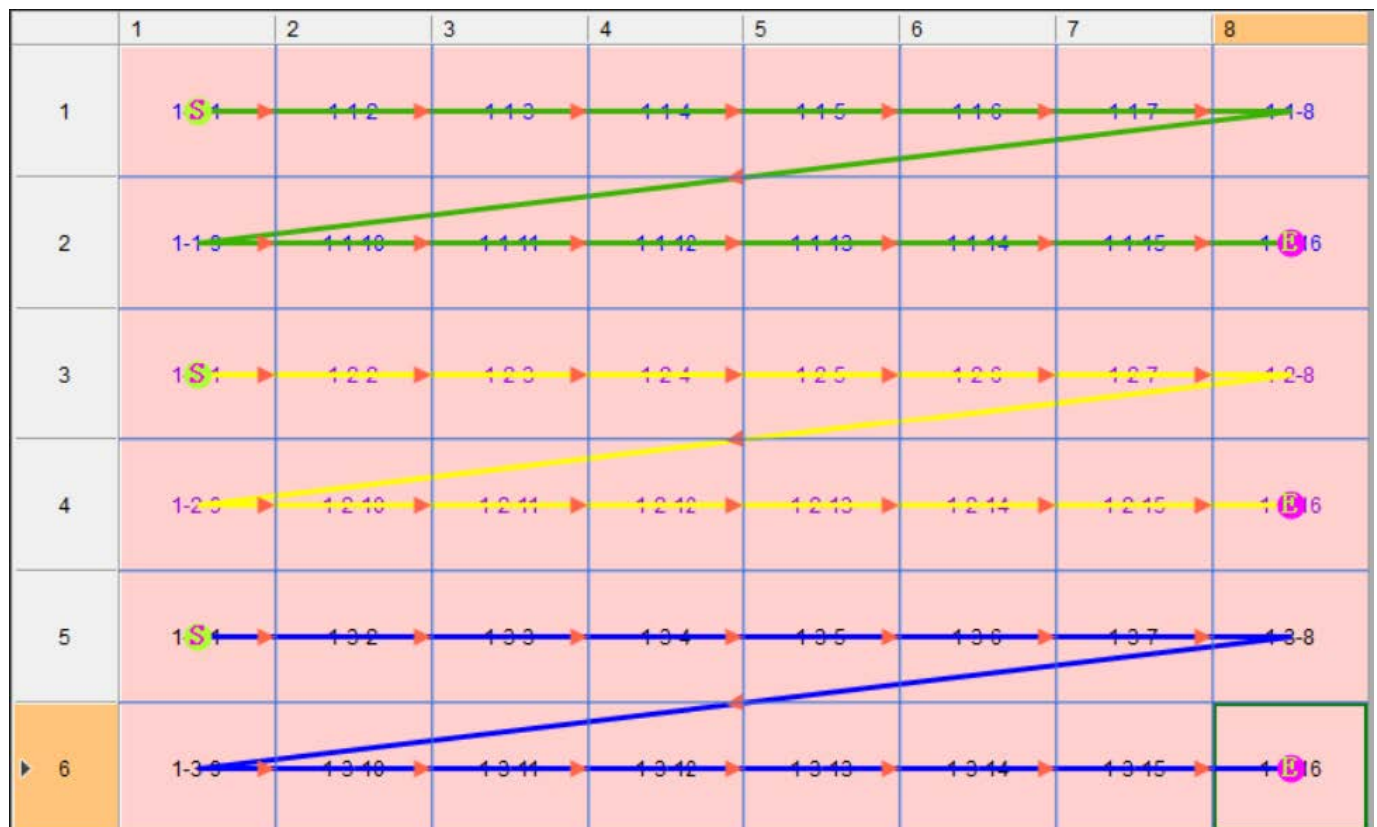
### Note

The maximum pixel capacity of the TB60 is 2.3 million. Within the maximum pixel capacity, the maximum pixel width is 23040 and the maximum pixel height is 4096.

### Screen Configuration

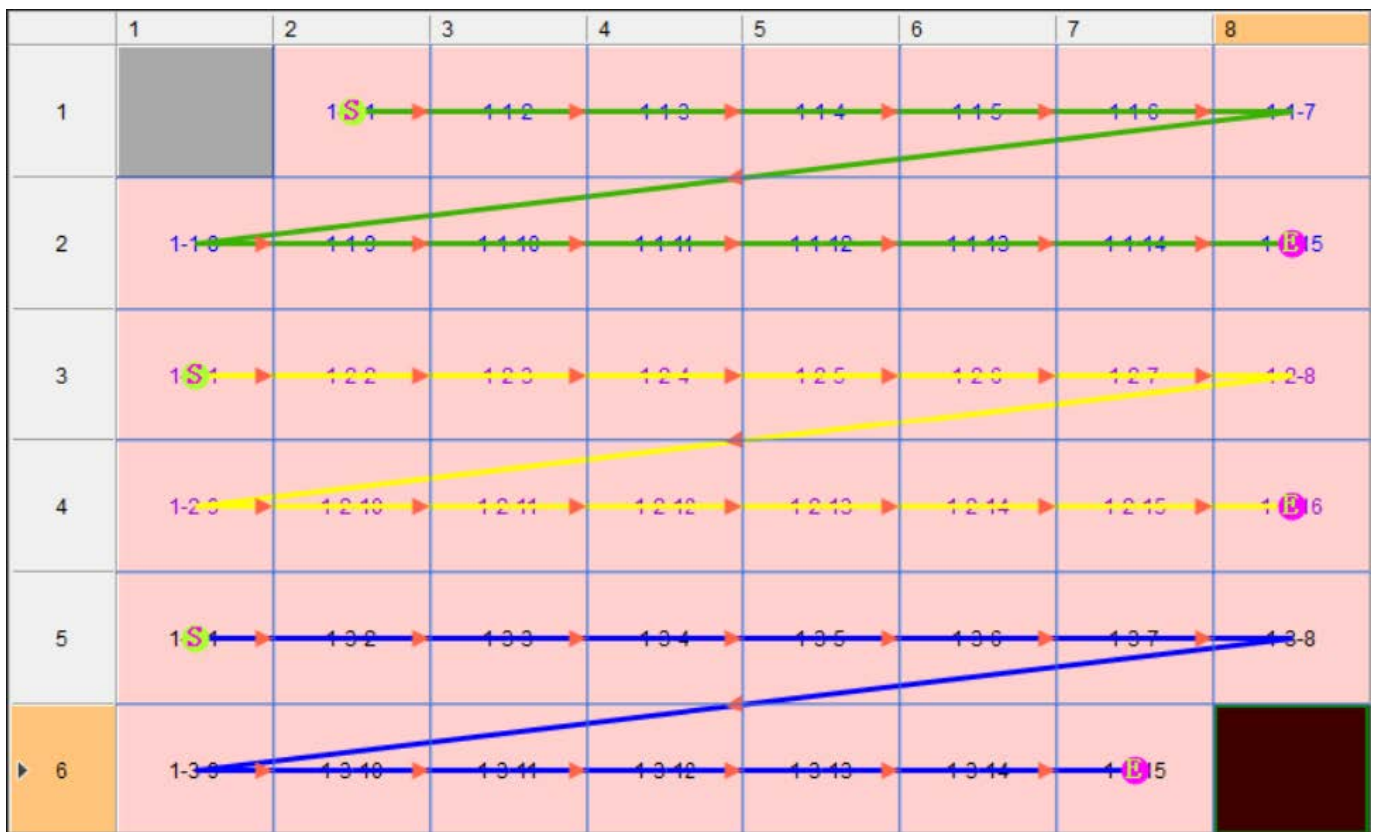
When you set the connection of receiving cards, if an Ethernet port loads two rows/columns or more, the connection must follow the shape of the letter Z, as shown in Figure 3-4.

Figure 3-4 Ultra-wide screen connection



If you want to set receiving cards to blank, you can only set the receiving cards at both ends to blank, as shown in Figure 3-5.

Figure 3-5 Blank receiving cards of an ultra-wide screen



### Operating Procedure

The preceding application will be used as an example to introduce how to create an ultra-long-screen solution.

- **Step 2** Click + and select Ultra-Long Screen from the drop-down menu.

The Solution Information dialog box appears.

Figure 3-6 Solution information of an ultra-wide screen

Solution Information

Solution Name

NewSolution20231012094926

Resolution

Width

23040 px

Height

98 px

Remarks

100character(s) remaining

OK

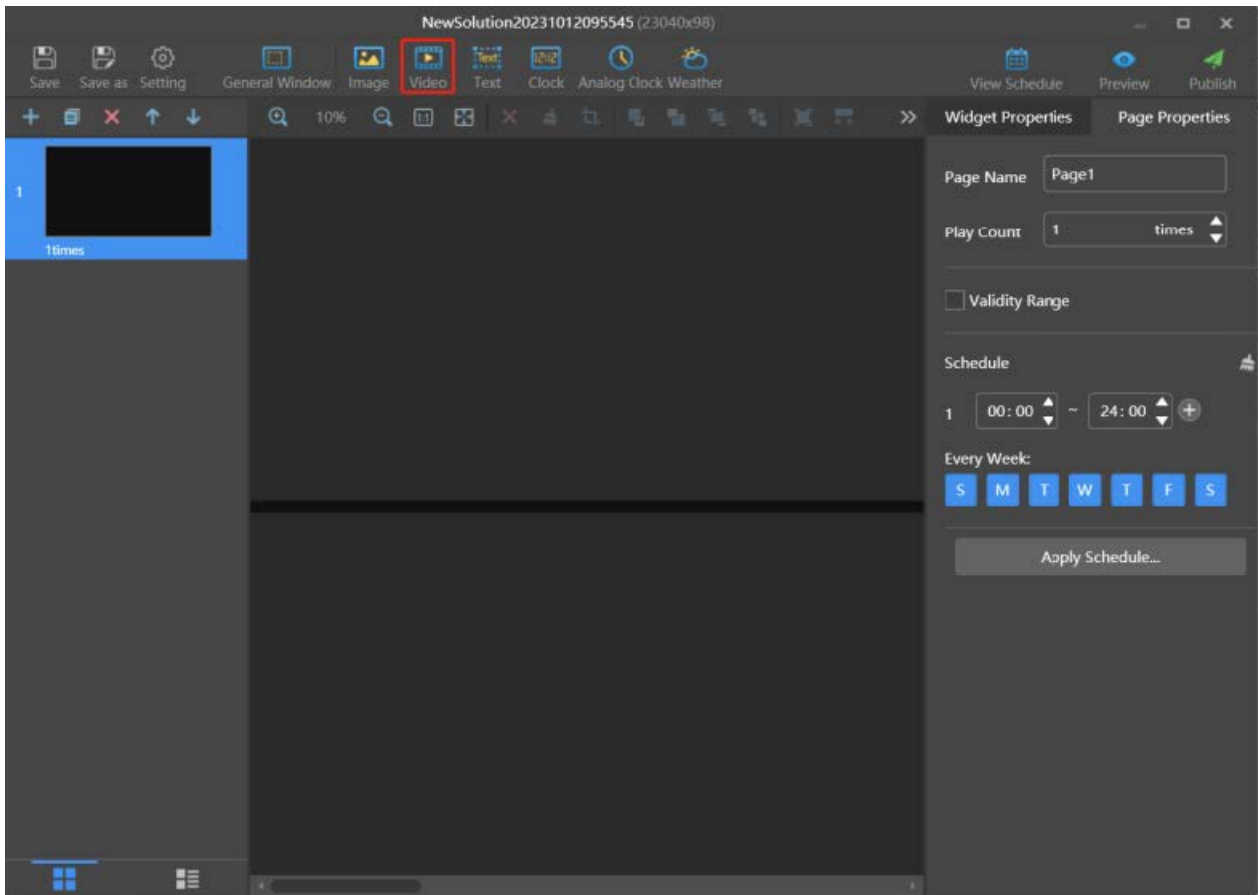
Cancel

- **Step 3** Set the solution information and click OK.
  - The resolution of the solution must be consistent with the actual pixel width and height of the screen.
  - Only images, text, videos and colorful text can be placed across the boundary.

- **Step 4** At the top of the solution editing page, click Video.

In the page media editing area, the page is displayed based on the actual screen resolution.

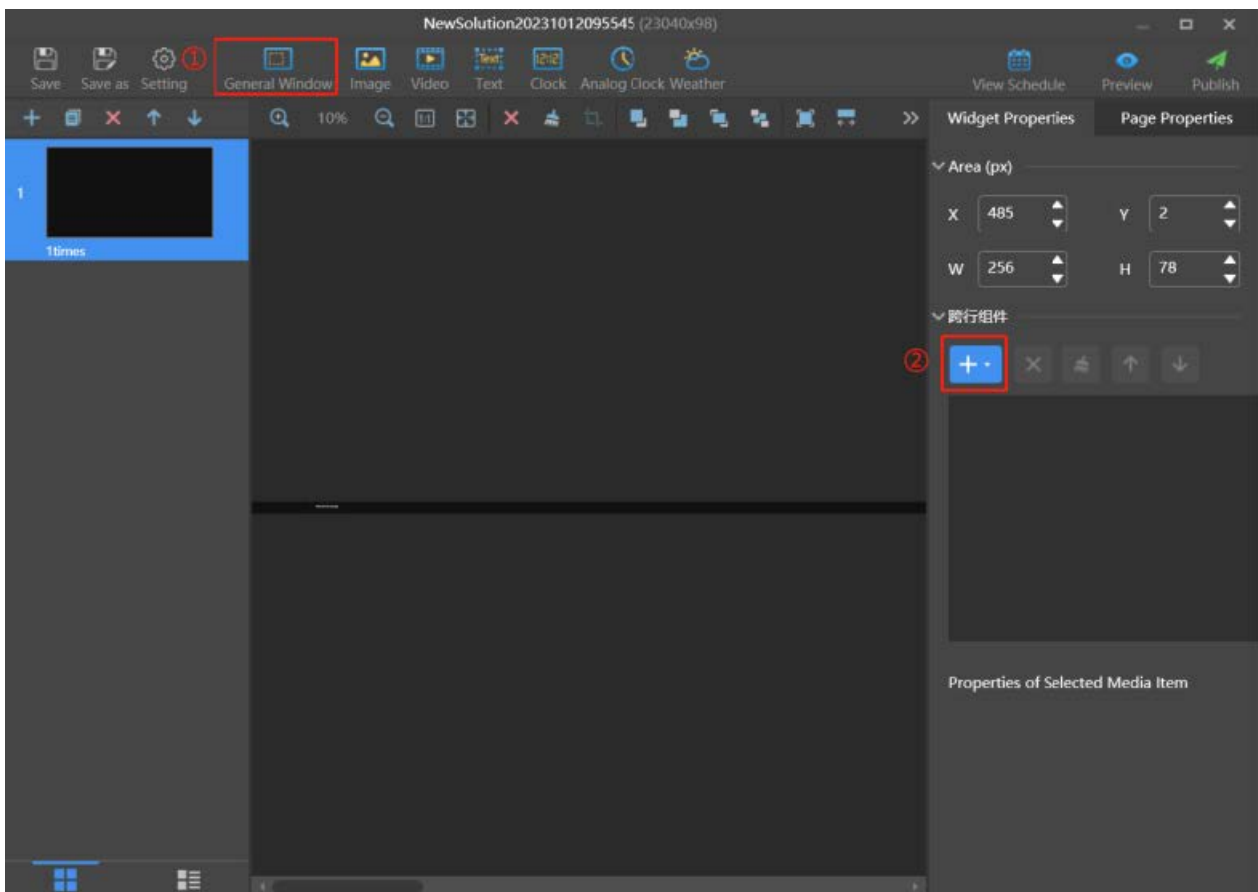
Figure 3-7 Ultra-long-screen solution editing page





- **Step 5** Select a video (multiple videos can be added) from the folder and click Open.

To set playlist playback, choose General Window > + to add multiple videos.

Figure 3-8 Setting playlist playback



- **Step 6** (Optional) At the upper right of the page, click  to preview the current page. The preview window is displayed based on the configured screen aspect ratio.

- **Step 7** After the solution editing is done, click .

- **Step 8** Select players and click  Publish to publish the solution.

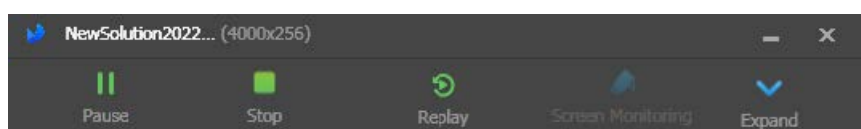
## Note





- Ultra-long-screen solutions do not support synchronous playback.
- To ensure smooth playback, playing videos and text simultaneously is not recommended.


## Playing Solutions

On the top right of the page, click to play a solution. The solution editing page is not displayed and a playback control bar is displayed.

Figure 3-9 Playback control bar



- : Pause playback. After the playback is paused, this button changes to the Play button.
- : Stop playback and display the solution editing page.
- : Restart the playback from the beginning.
- : Expand the solution editing page.

- : Collapse the solution editing page.

## Screen Monitoring


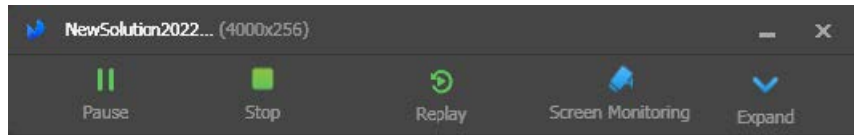
If you have an extended display connected and the solution is played on that display, click  on the playback control bar to monitor on the main display the image currently being played.

Figure 3-10 Screen monitoring

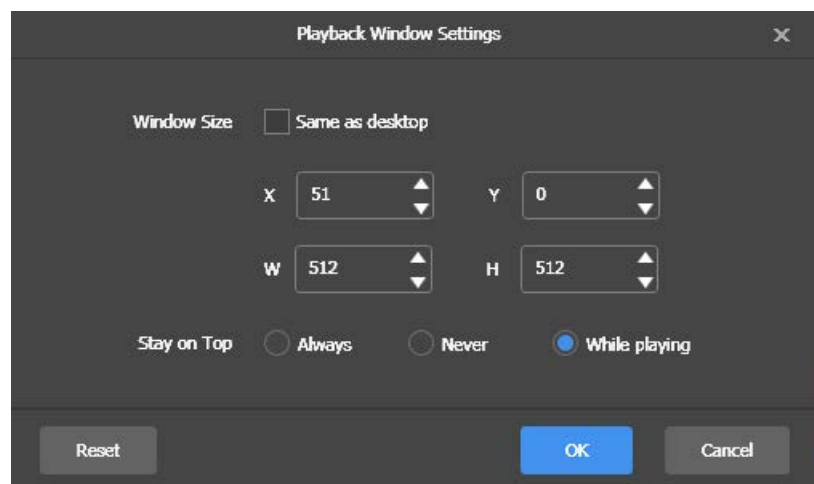


## Playback Management

### Setting Playback Window

On the menu bar of the solution editing page, choose Playback Window > Playback Window Settings. Set the coordinates, width, and height of the playback window and select an option of keeping the window on top. If Same as desktop is selected, the size of the playback window will be the same as the size of your desktop.

Figure 4-1 Playback window settings



### Showing and Hiding Playback Window

- When the playback window is shown, choose Playback Window > Hide Playback Window on the menu bar to hide the playback window.
- When the playback window is hidden, choose Playback Window > Show Playback Window on the menu bar to show the playback window.

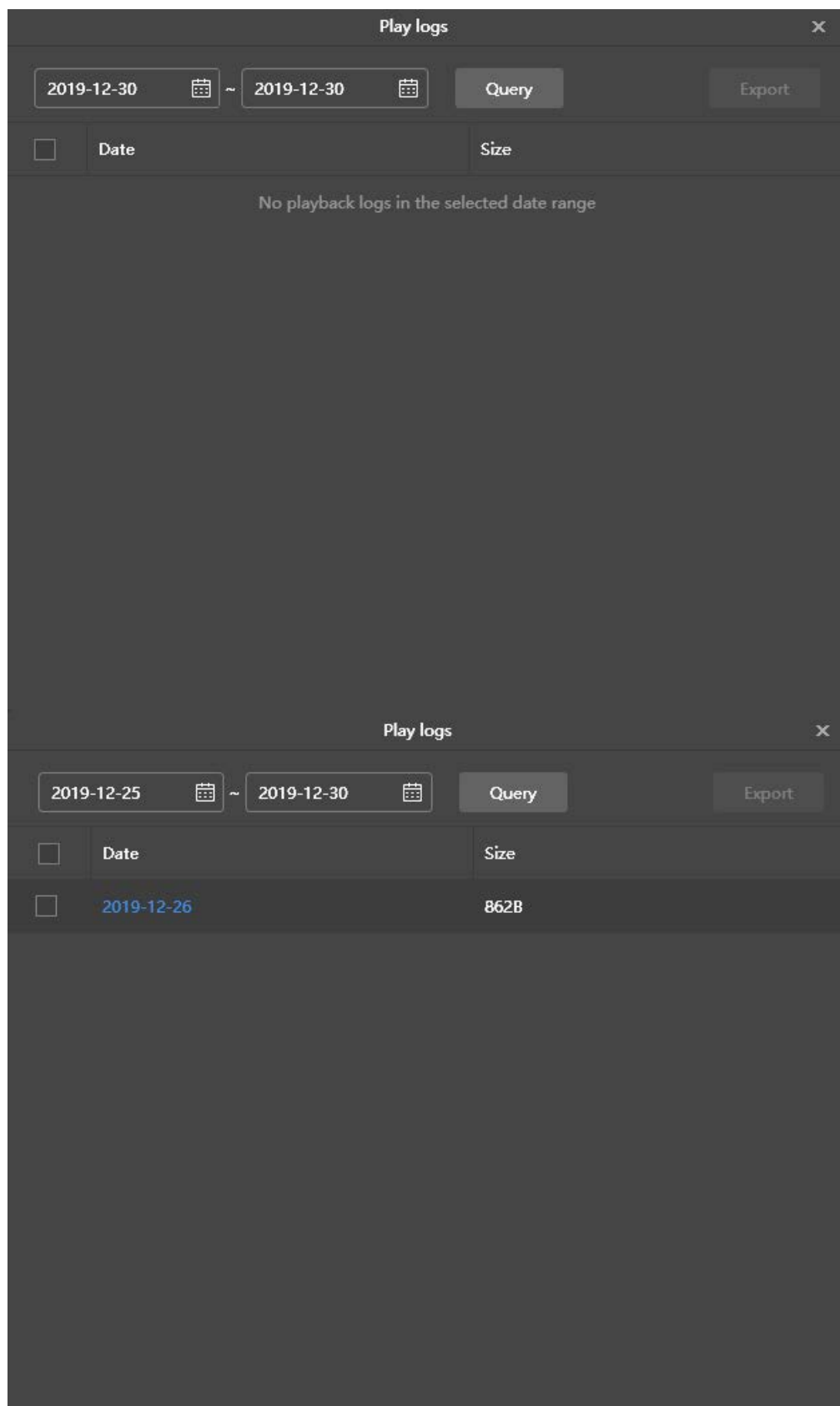
The default shortcut of showing and hiding playback window is Ctrl+H. You can change it in  Preferences.

## Play Logs

### Querying Play Logs

- **Step 1** On the solution editing page, select Play logs on the menu bar.

Figure 5-1 Play logs



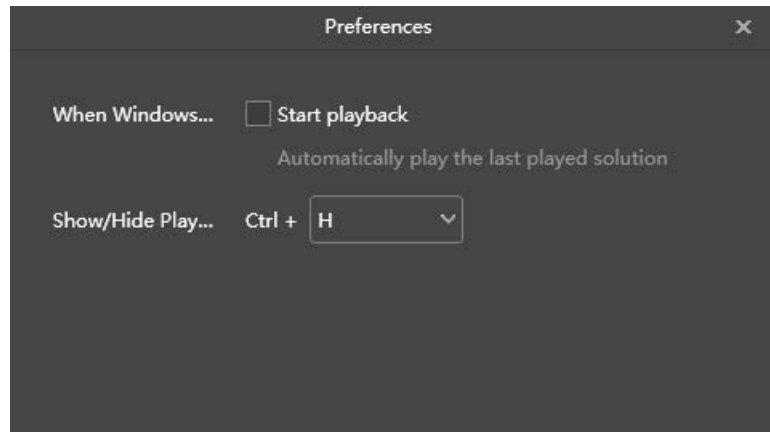
- **Step 2** Set the date range and click Query. Querying play logs of the current day is not supported.
- **Step 3** In the displayed query result list, click the date to view the general information and details of the play logs.
- **Step 4** (Optional) Click Back to go back to the query result list.

## Exporting Play Logs

- **Step 1** On the solution editing page, select Play logs on the menu bar.
- **Step 2** Set the date range and click Query.


Querying play logs of the current day is not supported.

Figure 5-2 Query result




- **Step 3** Select the logs you want to export and click Export.
- **Step 4** In the displayed dialog box, set the export path and format.
- **Step 5** Click OK.


## System Settings

To enter system settings, click  in the top-right corner of the startup page or solution editing page in studio mode.

### Switching Language

Choose  Language and select the target language from the submenu.

### Switching Working Mode

Choose  Working Mode > Async Mode to switch to the async mode.

### Setting Preferences


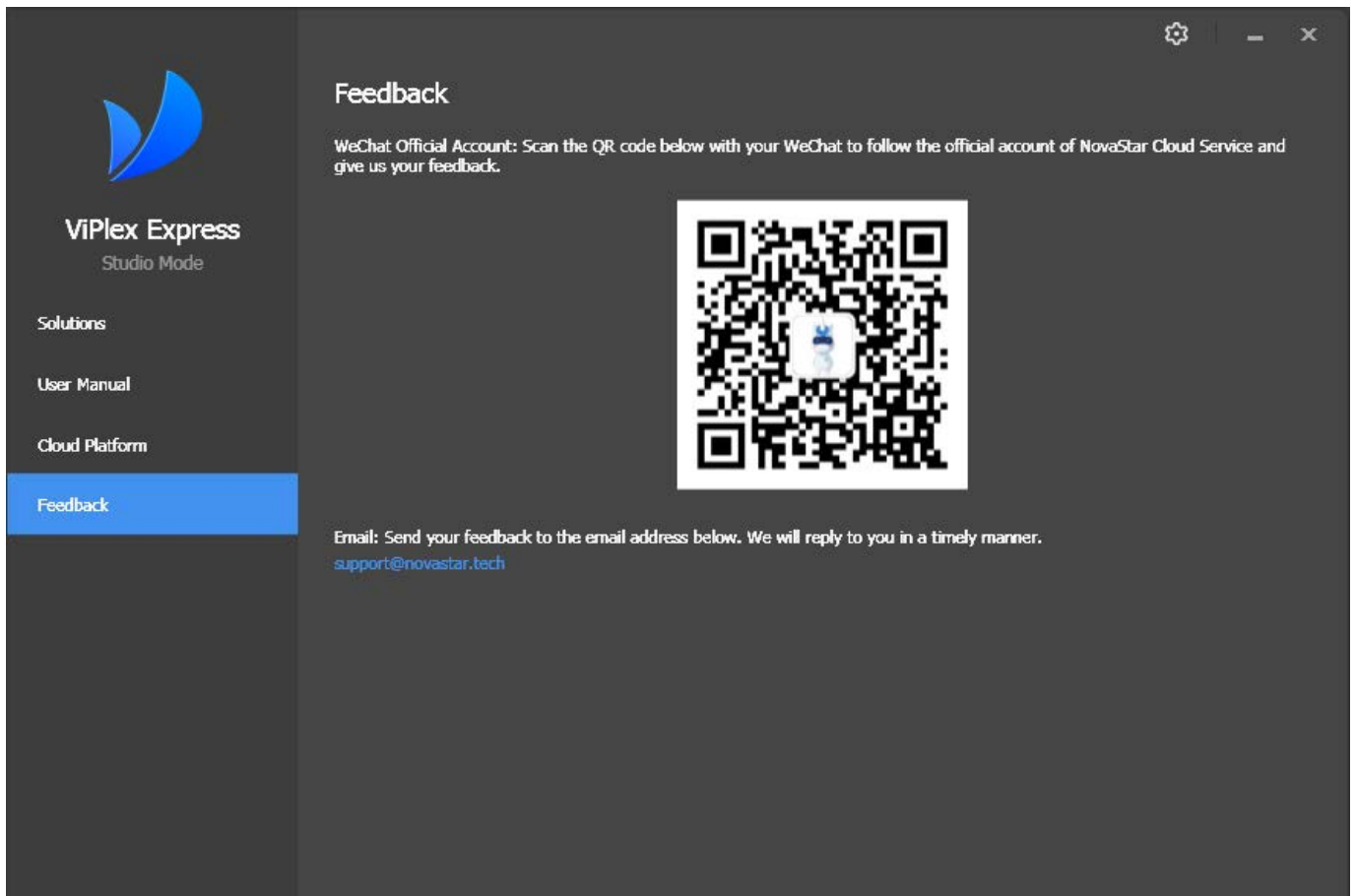
Choose  Preferences to open the Preferences dialog box.

Figure 6-1 Setting preferences






### Starting Playback

Select Start playback and the software will automatically play the last played solution when Windows starts.


### Setting Shortcut of Showing and Hiding Playback Window

Select a letter from the drop-down list. The selected letter and Ctrl constitute the shortcut of showing and hiding the playback window.


### Viewing User Manual

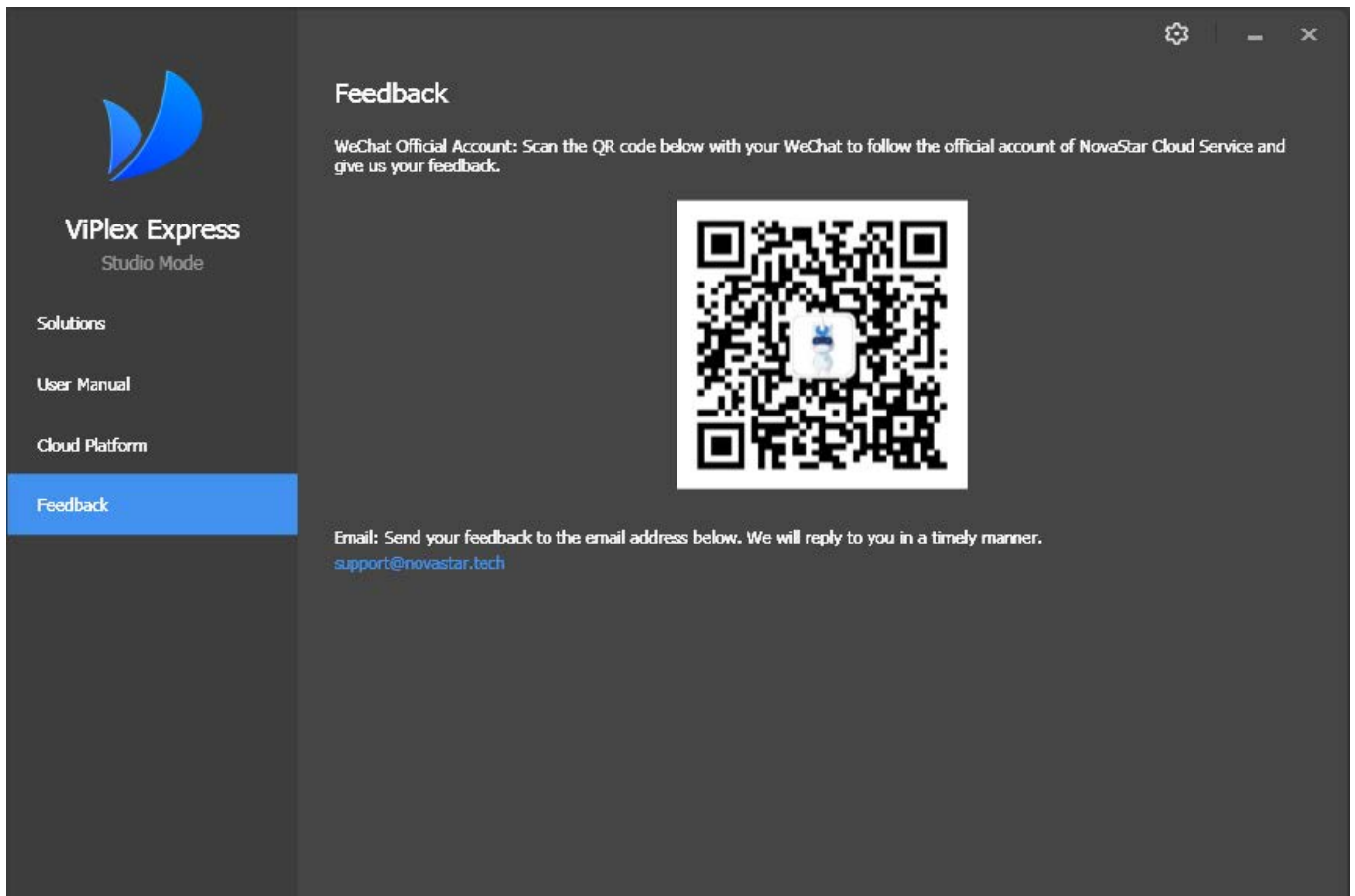
Choose  > User Manual to view the user manual of this software.  
You can also click User Manual on the left menu on the startup page in studio mode.

### Checking for Updates


Choose  > Check for Updates. In the displayed dialog box, check whether a software update is available. If there is an update available, click Download to start the online update.

### Submitting Feedback

Choose  > Feedback. In the displayed dialog box, scan the QR code with your WeChat to follow the official account and submit feedback, or send the feedback to the service email address.  
You can also click Feedback on the left menu on the startup page in studio mode, as shown in Figure 6-2.  
Figure 6-2 Menu on the startup page



## Viewing Software Information

Choose  About. In the displayed dialog box, view the software related information.

## FAQs

### How to set the inbound firewall rules?


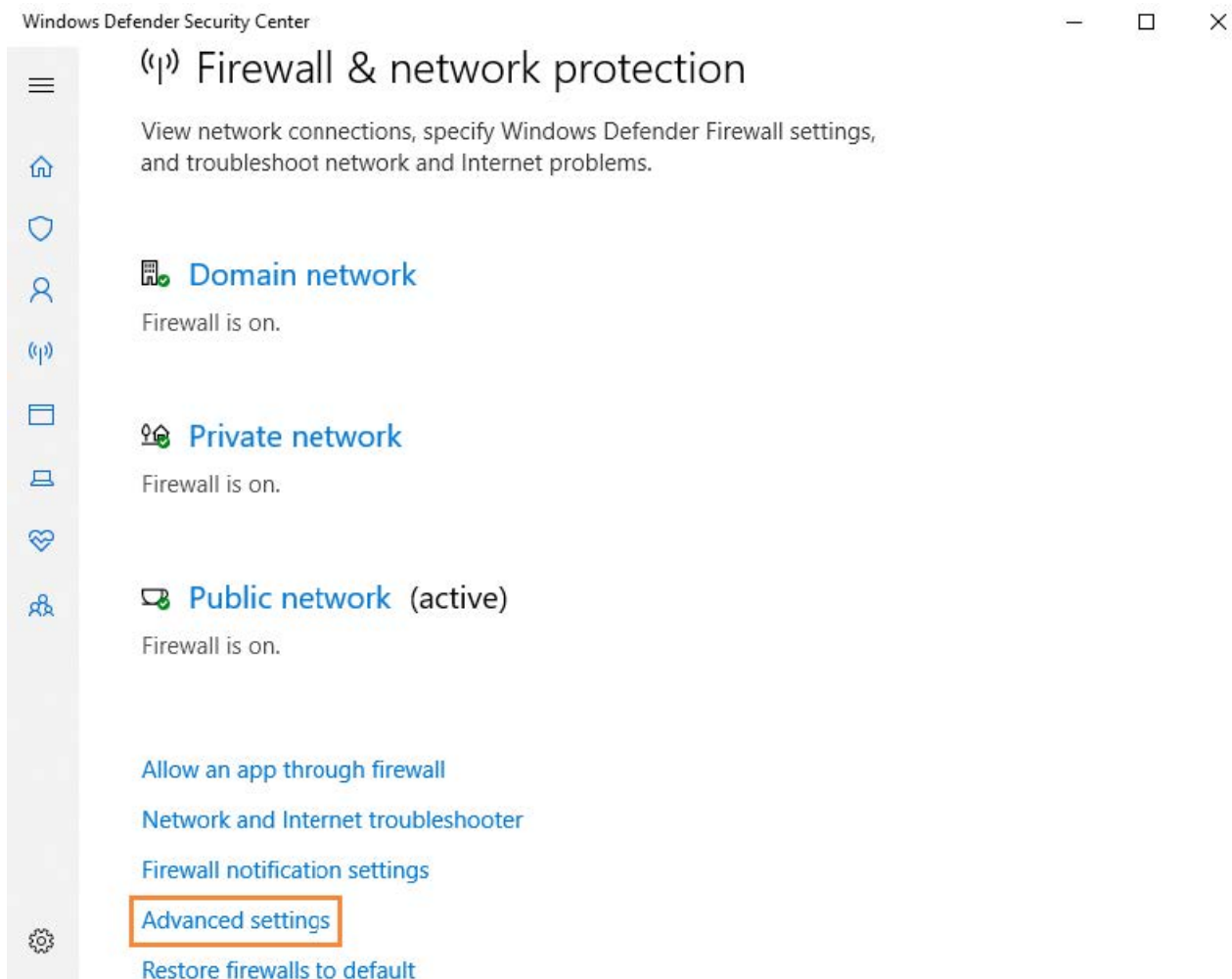
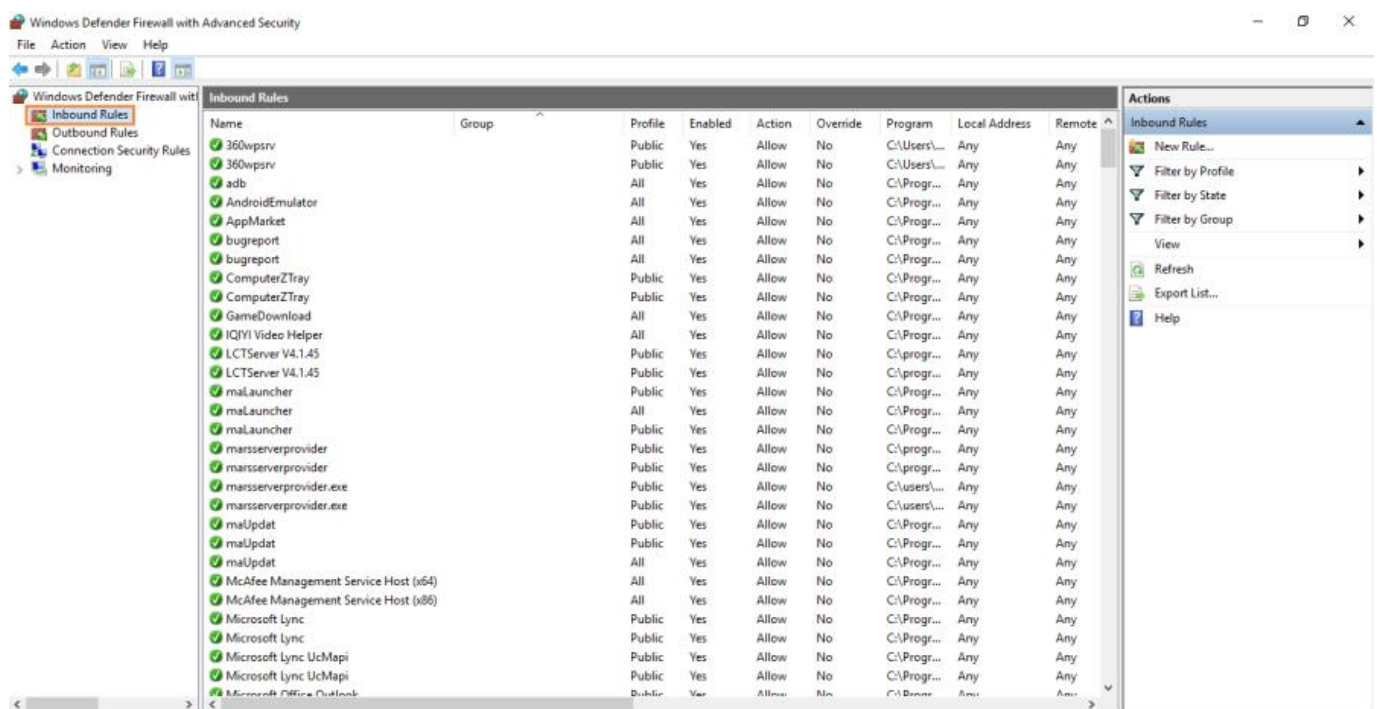
- **Step 1** Click  on the Windows Start menu.
- **Step 2** Choose Update & Security.
- **Step 3** Choose Windows Security.
- **Step 4** Click Open Windows Defender Security Center.
- **Step 5** Click Firewall & network protection.
- **Step 6** Click Advanced Settings and then click Yes to open the Windows Defender Firewall with Advanced Security dialog box.

Figure 7-1 Advanced settings



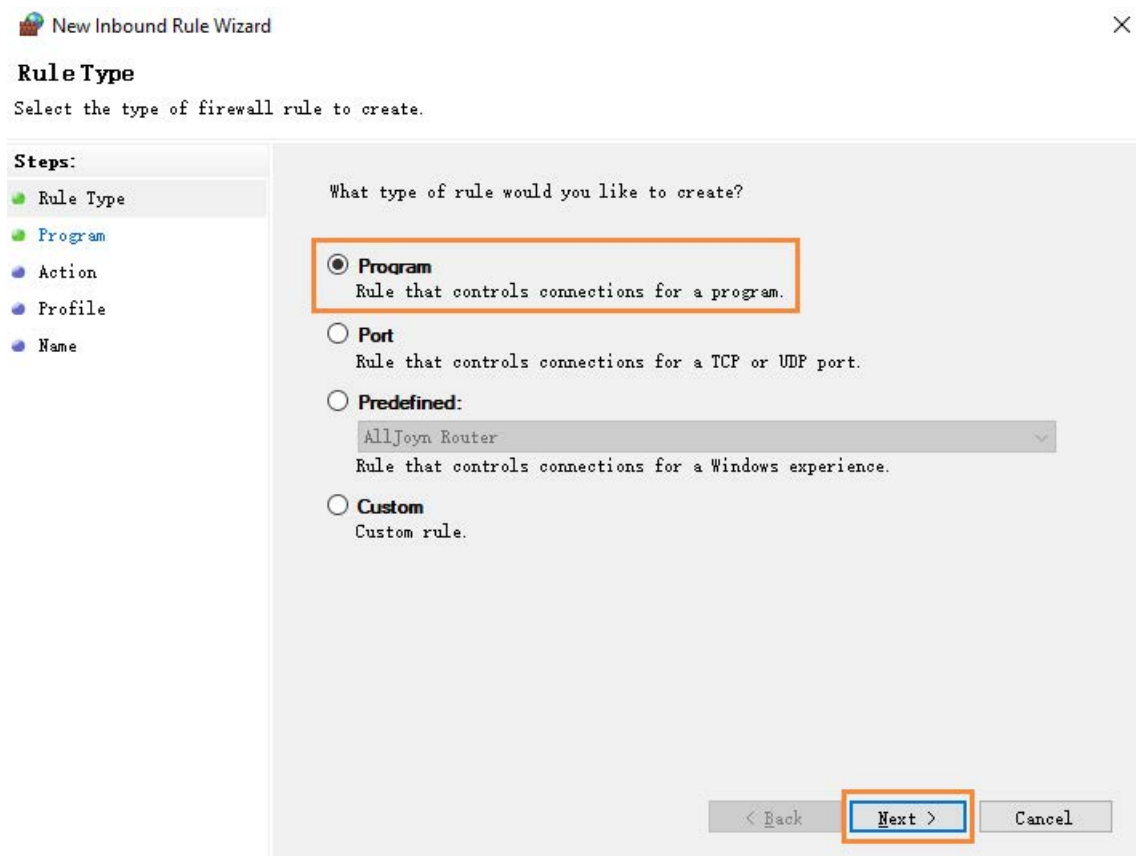
- **Step 7** Click Inbound Rules.

Figure 7-2 Inbound rules



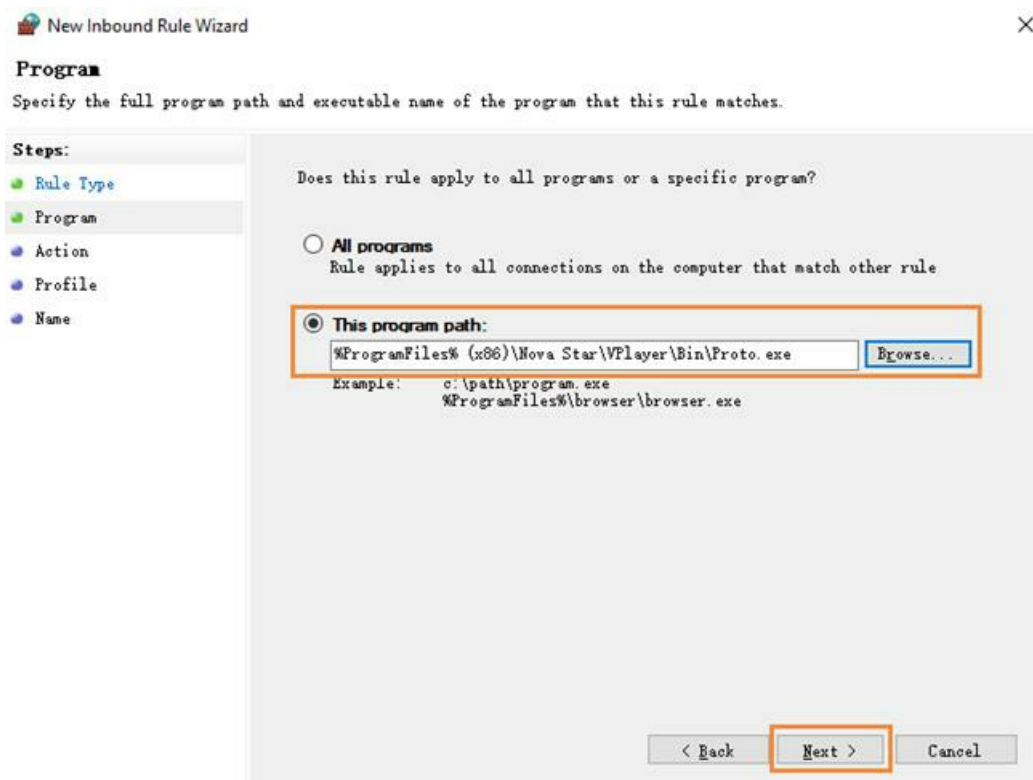
- **Step 8** On the right of the page, click New Rule to open the New Inbound Rule Wizard dialog box.
- **Step 9** Select Program and click Next.

Figure 7-3 Rule type



- **Step 10** Click Browse, select Proto.exe from the local PC, and then click Next.

Figure 7-4 Program selection



- **Step 11** Select Allow the connection and click Next.
- **Step 12** Select Domain, Private, and Public and click Next.

- **Step 13** Enter a name and click Finish.

### What video formats are supported in studio mode?

The following video formats are supported in studio mode:

\*.3g2, \*.3gp, \*.3gp2, \*.3gpp, \*.amv, \*.asf, \*.avi, \*.bik, \*.bin, \*.divx, \*.drc, \*.dv, \*.f4v, \*.flv, \*.gvi, \*.gxf, \*.iso, \*.m1v, \*.m2v, \*.m2t, \*.m2ts, \*.m4v, \*.mkv, \*.mov, \*.mp2, \*.mp4, \*.mp4v, \*.mpe, \*.mpeg, \*.mpeg1, \*.mpeg2, \*.mpeg4, \*.mpg, \*.mpv2, \*.mts, \*.mxf, \*.mxg, \*.nsv, \*.nuv, \*.ogg, \*.ogm, \*.ogv, \*.ps, \*.rec, \*.rm, \*.rmvb, \*.rpl, \*.thp, \*.tod, \*.ts, \*.tts, \*.txd, \*.vob, \*.vro, \*.webm, \*.wm, \*.wmv, \*.wtv, \*.xesc

AVI only supports the following video coding formats: MPEG-2, MPEG-4, MPEG-4 ASP, H.264, DivX 4/5/6, XviD, SV1, 3ivX D4, H.264/MPEG-4 AVC/MKV, AMR, WebM, WMV, MP3. For instance, AVI videos in DX50 and MP4V formats cannot be played.

When a video format is not supported, you are advised to convert the video to MP4 format with a professional video format conversion software.

### Limitations on Cut-to-Display Windows for Regular Screens

Table 7-1 Limitations on the playback of cut-to-display windows

<b>Playback Window Size (Solution Resolution)</b>	Maximum width	3840 px
	Maximum height	2160 px
<b>Number of Parts</b>	<ul style="list-style-type: none"> <li>• <b>Cut horizontally:</b> Actual screen width/Playback window width <math>\leq 8</math></li> <li>• <b>Cut vertically:</b> Actual screen height/Playback window height <math>\leq 8</math></li> </ul>	

### Limitations on Playback Parameters for Ultra-long Screens

Table 7-2 Media playback parameter description

<b>Playback Window Size</b>	Maximum width	3840 px
	Maximum height	2160 px
<b>Number of Parts</b>	Up to 8 parts	
<b>Scrolling Text</b>	Maximum font size	256px
	Maximum number of characters	2000
<b>Number of Videos (Resolution x Number)</b>	Number of videos that can be played simultaneously: (Choose one from the following 4 options)	
	4K x 1	
	1080P x 2	
	720P x 4	
	(480×50) x 6	
<b>Other Media</b>	None	

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[www.novastar.tech](http://www.novastar.tech)

**Technical support**

[support@novastar.tech](mailto:support@novastar.tech)

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**Documents / Resources**

	<p><a href="#">NOVASTAR ViPlex Express Display Content Publishing Management System</a> [pdf] User Manual</p> <p>ViPlex Express Display Content Publishing Management System, Display Content Publishing Management System, Publishing Management System, Management System</p>
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**References**

- [en.vnnox.com/download](http://en.vnnox.com/download)