FocSign Lite Client

User Manual

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FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

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Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

Applicable Models

This manual is applicable to FocSign Lite.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
	Provides additional information to emphasize or supplement important points of the main text.
	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

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Chapter 1 Product Introduction

1.1 Introduction

FocSign Lite client (hereinafter referred to as the client) is used to create programs and release them to information release screen or digital signage (hereinafter they are referred to as the terminal). The client supports program creation, release management, broadcast schedule management, cut-in, terminal management, etc.

1.2 Operation Flowchart

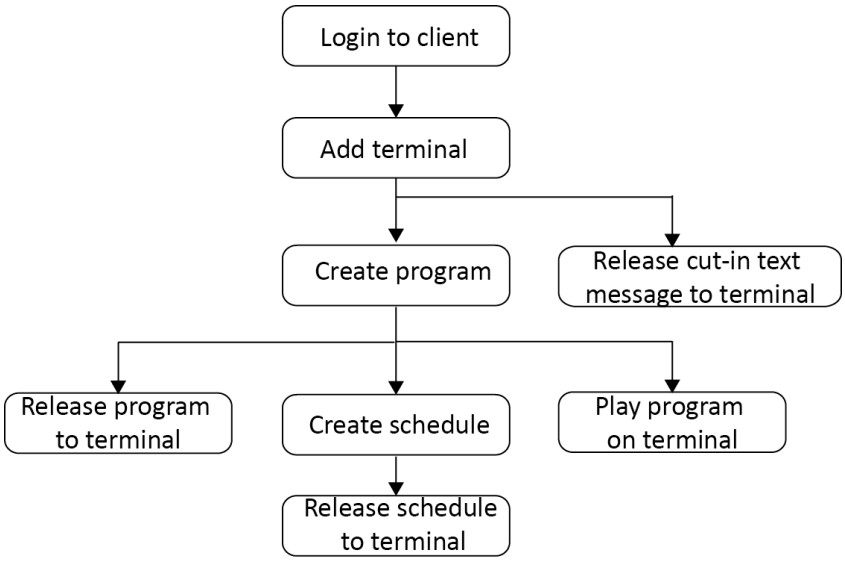


Figure 1-1 Operation Flowchart

Chapter 2 Registration and Login

2.1 Registration

Purpose:

Registration is required for the first login.

Before you start:

Install the client on your computer.

Step 1 Run the client.

Step 2 Set the password and confirm it.

NOTE

One client has only one user: admin.

Step 3 Click **Register**.

You will enter the interface of **Port Settings**.

NOTE

Click **OK** if the message which requires you to disable the firewall appears.

Step 4 Select the desired NIC, and configure the IP address and port number.

NOTE

- You can select the desired network card for registration when there are multiple choices. If the IP address of the selected network card changes, you will be prompted to change the IP address.
- If the client is not in the same subnet with the terminal, you need to enable port mapping and configure related parameters.

Step 5 Click **OK** and return to the login interface.

Step 6 Optionally, check **Remember Password** and **Auto Login** according to needs.

2.2 Login

Purpose:

Enter the password and click **Login**. You can manage and release program to the terminal after logging in.

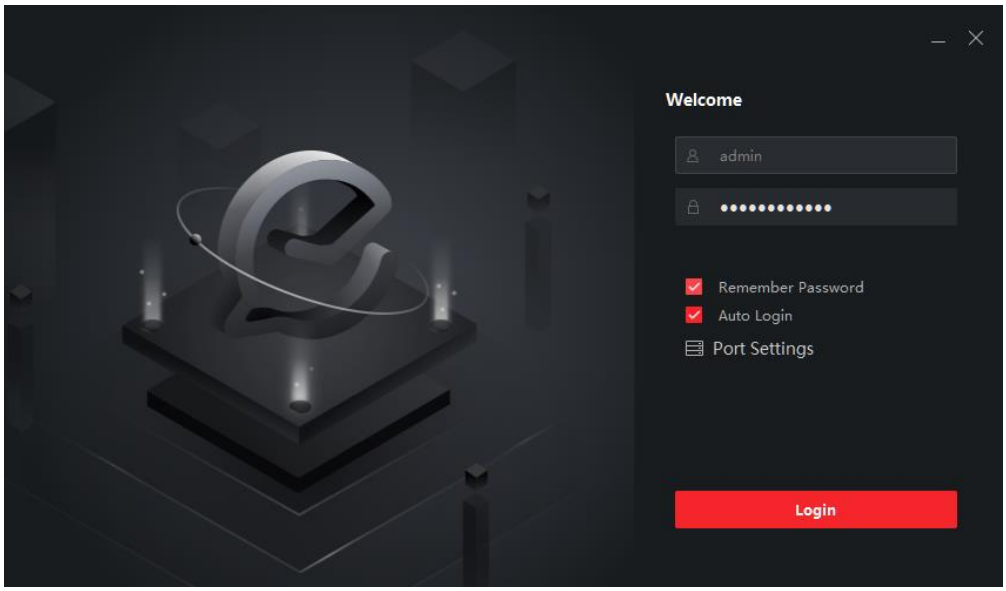


Figure 2-1 Log In

NOTE

Click ▼ on the home page to edit login password or enable/disable auto login.

Chapter 3 Terminal Management

3.1 Add Terminal

Purpose:

You can manage added terminals, including start up/shut down terminals, adjust terminal volume and brightness, etc.

You can add terminal via the following methods:

- Add terminals from the **Online Terminal** bar if the client and the terminals are in the same network segment.
- Add terminals by IP address.
- Add terminals by serial number.

3.1.1 Add Terminal on the Same Network Segment

Activate Terminal

Purpose:

You can activate the terminal via client.

Before you start:

Ensure the terminal is on and is in the same network segment with the client.

Step 1 Go to **Terminal Management**.

Step 2 Click on the lower-right corner.

Step 3 Select the terminals to activate.

Step 4 Click **Activate**.

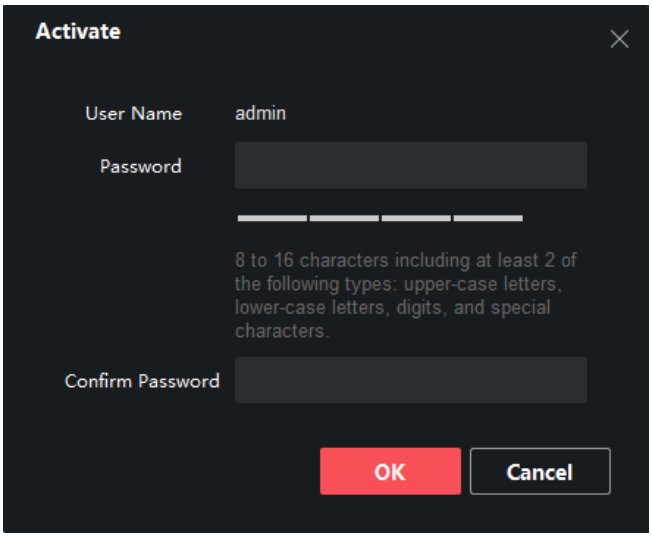


Figure 3-1 Activate Terminal

Step 5 Set the terminal password and confirm password.

Step 6 Click **OK**.

Register Terminal

Purpose:

You can register activated terminal to the client.

Before you start:

Ensure the terminal and the client are in the same network segment.

Step 1 Go to **Terminal Management**.

Step 2 Click on the lower-right corner.

Step 3 Select the terminals to register.

Step 4 Click **CMS Registration**.

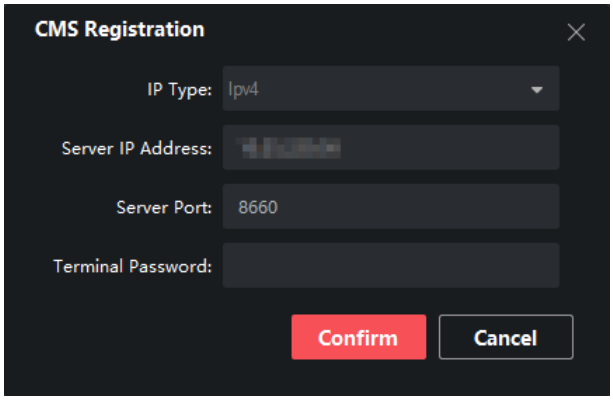


Figure 3-2 CMS Registration

Step 5 Set IP type, IP address, and server port.

Step 6 Enter terminal password.

Step 7 Click **OK**.

Step 8 Optionally, click **Acquire Registration Status** to view terminal registration status.

3.1.2 Add Terminal by IP Address

Step 1 Go to **Terminal Management**.

Step 2 Click **Add Terminal**.

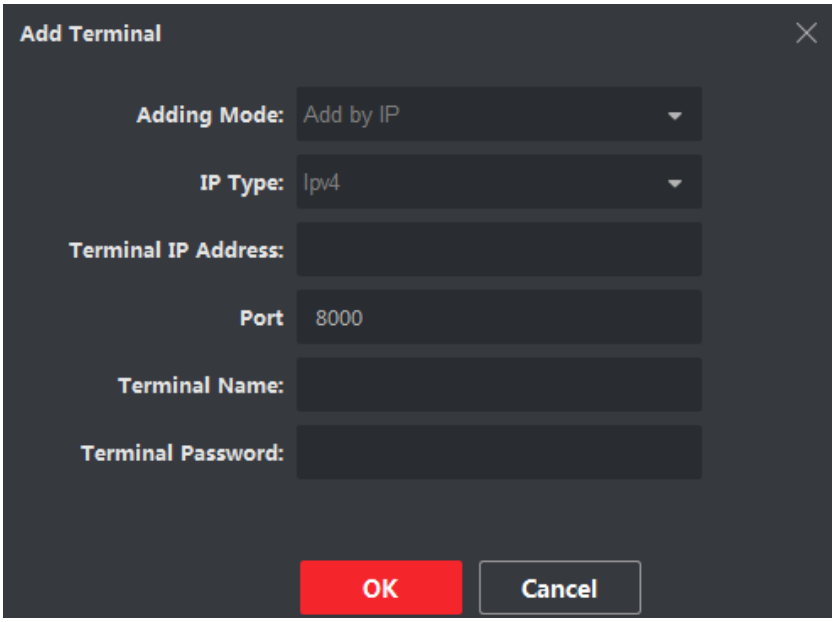


Figure 3-2 Add Terminal

Step 3 Select **Adding Mode** as **Add by IP**.

Step 4 Enter **Terminal IP Address** and **Port**.

Step 5 Enter **Terminal Name** and **Terminal Password**.

Step 6 Click **OK**.

3.1.3 Add Terminal by Serial No.

Before you start

Get the Serial No. of the terminal in system settings on the device.

Step 1 Click **Terminal Management**.

Step 2 Click **Add Terminal**.

Step 3 Select **Adding Mode**.

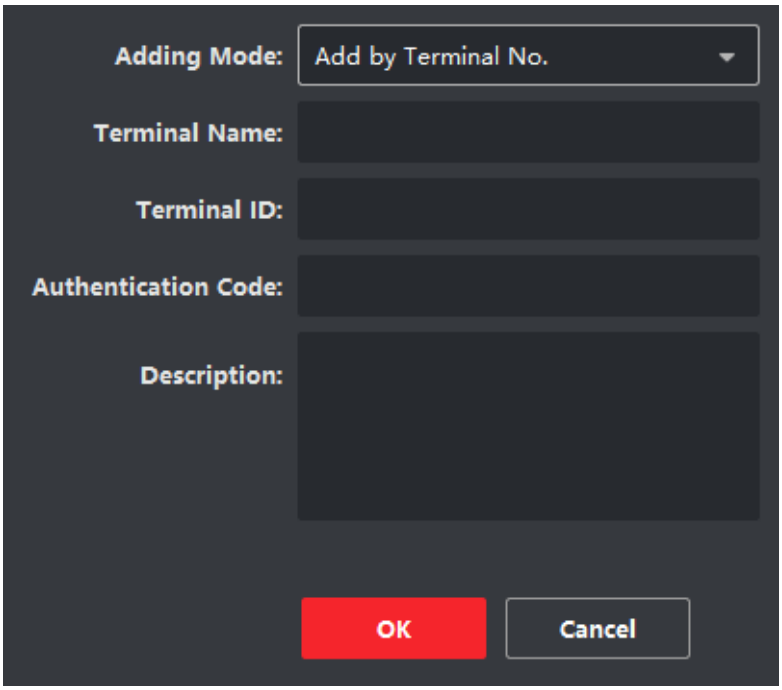


Figure 3-3 Add Terminal by Serial No.

Step 4 Enter **Terminal Name**, **Terminal Serial No.** , **Authentication Code**, and **Description**.

Step 5 Click **OK.**

Step 6 Register the terminal to be added.

1) Open the information release software in the terminal.
2) Double click upper-right corner.
3) Enter the terminal name and information of server.
4) Click **Next**.
5) Enter the authorization code set in Step 4.
6) Click **OK**.

3.1.4 Edit/Delete Terminal

Purpose:

You can edit information of the added terminal or delete the added terminal.

- Click of a terminal to edit its name, serial No. or description.
- Check a terminal and click **Delete Terminal** to delete it.

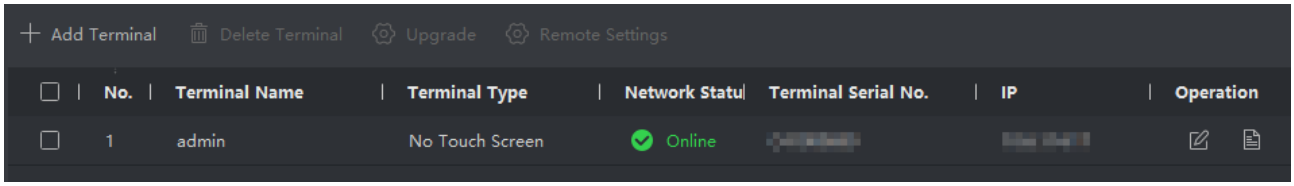


Figure 3-4 Edit/Delete Terminal

3.1.5 View Terminal Details

Click of a terminal to view its information and current program image.

3.2 Terminal Operation

Purpose:

You can start up/shut down terminal, adjust terminal volume, and control program via terminal operation menu.

3.2.1 Startup and Shutdown

Purpose:

You can manually start up and shut down a terminal, and configure the startup/shutdown schedule for a terminal.

- : Start up the selected terminal.
- : Shut down the selected terminal.
- : Reboot the selected terminal.
- **Scheduled Startup/Shutdown:** Select a terminal, enable **Scheduled Startup/Shutdown** and click **Settings** to set startup/shutdown schedule. The terminal automatically starts up and shuts down according to the schedule.

3.2.2 Play Control

Purpose:

You can control program playback, cut-in, and default play for one or more terminals.

- **Play/Stop**
  - A program is playing: Click **Play** to start playing program from the beginning. And click **Stop** to stop playing.
  - No program is playing: Click **Play** to start playing the previous program from the beginning.
- Cut-in

  The priority of a terminal is to play received cut-in programs. Click **Stop** to stop playing cut-in programs.
- Default play

  If you enable Default Play, terminal will start default play when no program or cut-in is playing.

3.2.3 Adjust Brightness

Purpose:

You can adjust the brightness for one or more terminals.

- **Auto-Brightness**

  Select **Auto-Brightness** radio and select backlight value. Terminal will automatically adjust screen backlight according to environment.

- **Backlight**

  Select **Backlight** radio and drag the slider to adjust brightness value.

3.2.4 Adjust Volume

Purpose:

You can adjust the volume for one or more terminals.

- **Output Volume**

  Drag the slider to adjust the terminal output volume.

- **Scheduled Volume**

  Select a terminal, enable **Scheduled Volume** and click **Settings** to set volume schedule. The terminal volume varies according to schedule.

3.3 Terminal Configuration

3.3.1 Modify Terminal Password

Purpose:

To increase terminal security, you are recommended to modify terminal password regularly.

Step 1 Go to **Terminal Management**.

Step 2 Select the desired terminal and click **Remote Settings**.

Step 3 Go to **Terminal Operation > Password Settings**.

Step 4 Enter Current Password and enter the same password in **New Password** and **Confirm New Password**.

WARNING

We highly recommend you create a strong password of your own choosing (Using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters.) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

Step 5 Click **Apply.**

3.3.2 Configure Time Zone

Purpose:

Configure terminal time zone according to the actuality.

Step 1 Go to **Terminal Management**.

Step 2 Select the desired terminal and click **Remote Settings**.

Step 3 Go to **Terminal Operation > Time Zone Settings**.

Step 4 Select time zone.

Step 5 Click **Apply.**

3.3.3 Configure Logo

Purpose:

Enable/disable the startup logo of terminals.

Step 1 Go to **Terminal Management**.

Step 2 Select the desired terminal and click **Remote Settings**.

Step 3 Go to **Terminal Operation > Logo Settings**.

Step 4 Check/uncheck **Enable Logo**.

Step 5 Click **Apply**.

3.3.4 Configure IP Channel Linkage

Purpose:

Link the terminal with network cameras to receive information from network cameras.

NOTE

Up to 8 network cameras can be added.

Step 1 Go to **Terminal Management**.

Step 2 Select the desired terminal and click **Remote Settings**.

Step 3 Go to **Terminal Linkage > Channel Parameter Settings**.

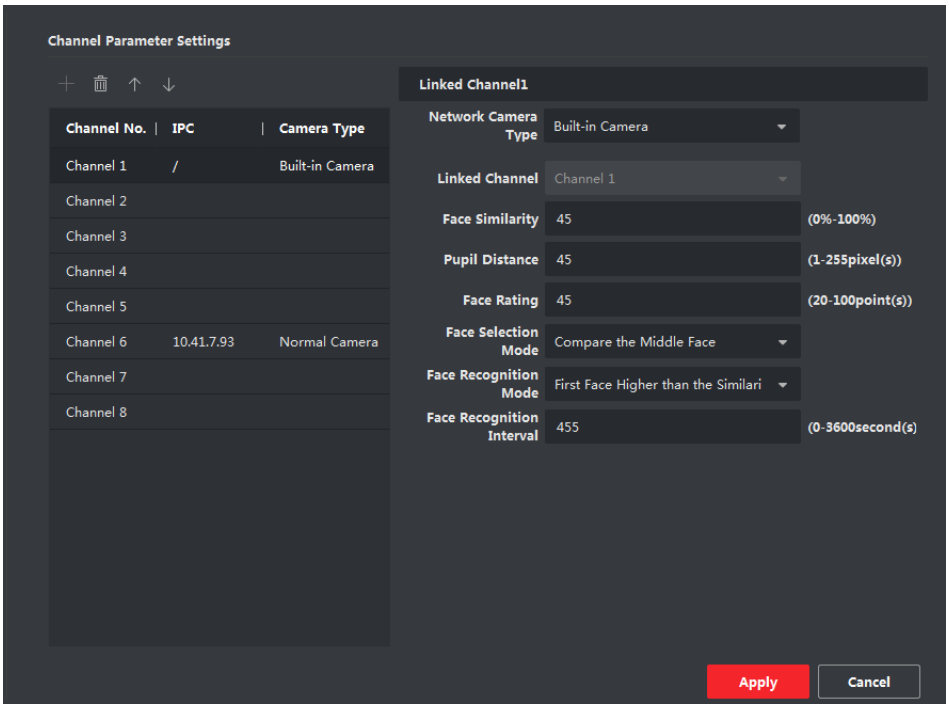


Figure 3-5 Configure Channel Parameters

Step 4 Select a channel and click .

Step 5 Enter network camera parameters.

Step 6 Click **Apply** to link to the network camera.

Step 7 Optionally, click / to link the network camera to the other channel.

3.4 Terminal Maintenance

3.4.1 Upgrade

Purpose:

You are recommended to upgrade the terminal with the help of professional technical support.

Before you start

Save the upgrade file in your computer local path.

Step 1 Go to **Terminal Management**.

Step 2 Click **Upgrade.**

Step 3 Click and select the upgrade file path.

Step 4 Click **OK** to start upgrade.

NOTE

It takes 1 to 10 minutes to upgrade the terminal. Do not cut off power supply during upgrade. The terminal will restart after upgrade.

3.4.2 Security

Purpose:

To increase security, you are recommended to turn off SADP after server configuration. Operate the function with the help of professional technical support.

Step 1 Go to **Terminal Management**.

Step 2 Select the desired terminal and click **Remote Settings**.

Step 3 Go to **Security Settings**.

Step 4 Check/uncheck **Enable SADP** as your desire.

Step 5 Click **Apply.**

3.4.3 Time Synchronization

Purpose:

Synchronize the terminal time.

Step 1 Go to **Terminal Management**.

Step 2 Select the desired terminal and click **Remote Settings**.

Step 3 Go to **Sync Time Settings**.

Step 4 You can customize the time or synchronize the time with your computer.

- Click to set time as your desire.
- Check **Use Local Time** to set terminal time as your computer time.

Step 5 Click **Apply**.

3.4.4 Modify Network Parameters

Before you start

Ensure the terminal and your computer are in the same network segment.

Step 1 Go to **Terminal Management**.

Step 2 Click on the lower-right corner to view online terminals.

Step 3 Select the desired terminal and click **Edit Network Parameters.**

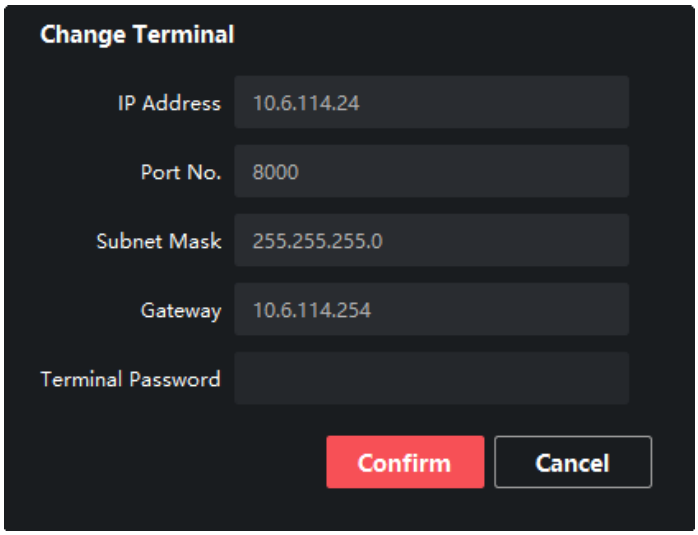


Figure 3-6 Edit Network Parameters

Step 4 Edit network parameters.

Step 5 Enter **Terminal Password** and click **Confirm**.

3.4.5 Reset Password

Before you start

Ensure the terminal and your computer are in the same network segment.

Step 1 Go to **Terminal Management**.

Step 2 Click on the lower-right corner to view online terminals.

Step 3 Select the desired terminal and click **Reset Password.**

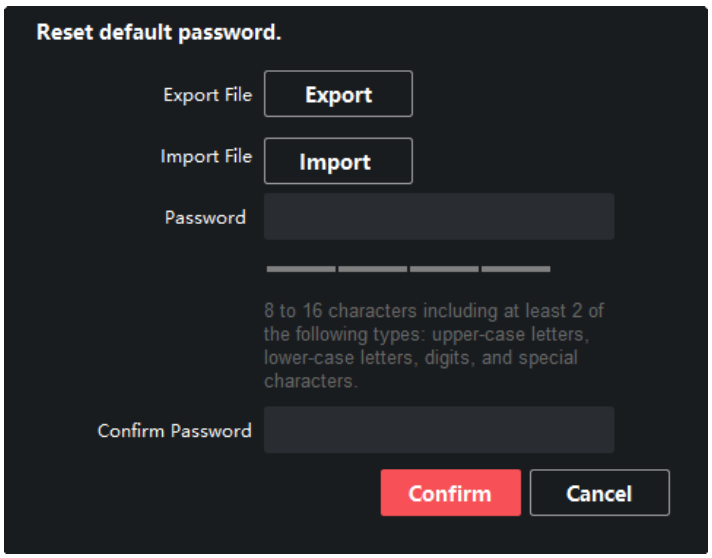


Figure 3-7 Reset Password

Step 4 Enter **Password** and **Confirm Password**.

Step 5 Click **Confirm**.

Step 6 Click **Export** to export terminal configuration file.

Step 7 Click **Import** to import a configuration file. You are recommended to import configuration file with the help of professional technical support.

3.4.6 Restore Defaults

Purpose:

If the terminal is abnormal, you can restore it to default settings.

Step 1 Go to **Terminal Management**.

Step 2 Click **Restore** of **Terminal Default Parameters**.

3.4.7 Bring Device Back Online

Purpose:

If the terminal is offline due to the change of IP address and port number, you can get it back online by entering the device password.

Step 1 Go to **Terminal Management**.

Step 2 Select the offline device, and click **Back Online**.

Step 3 Enter the device password.

Step 4 Click **OK**.

3.4.8 Change Universal Authentication Code

Purpose:

Change the universal authentication code for all terminals.

Step 1 Go to **Terminal Management**.

Step 2 Click **Universal Authentication Code**.

Step 3 Enter the desired code.

Step 4 Click **OK**.

3.4.9 Device Exception Prompt

Purpose:

A prompt will be displayed if a camera is in abnormal status.

Step 1 Go to **Terminal Management**.

Step 2 Click **Abnormal** in **Camera Status** to check the details.

Chapter 4 Program Management

You can create and modify program, and release it to different terminals.

4.1 Create Program

Purpose:

Create and configure the program according to the terminal type. Customize the program layout. The layout is same to the final release effect.

Step 1 Go to **Control Panel > Create Program.**

Step 2 Configure program basic information.

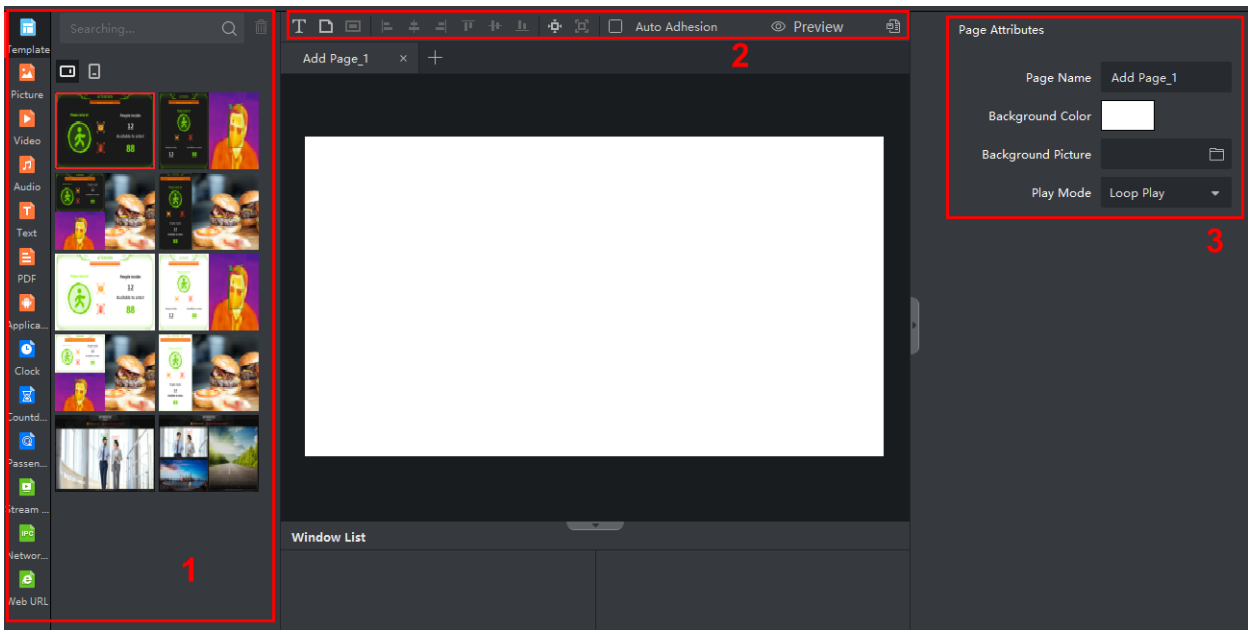


Figure 4-1 Program Basic Settings

Step 3 Set page attributes in Area 3. For detailed steps, refer to *4.1.2 Manage Page*.

Step 4 Select window type in Area 1. For detailed steps, refer to *4.1.3 Add Window*.

Step 5 Edit page layout with the tools listed in Area 2. For detailed steps, refer to *4.1.4 Edit Page.*

4.1.1 Configure Program Basic Settings

Purpose:

Configure the program name, type and canvas size.

Step 1 Go to **Control Panel > Create Program.**

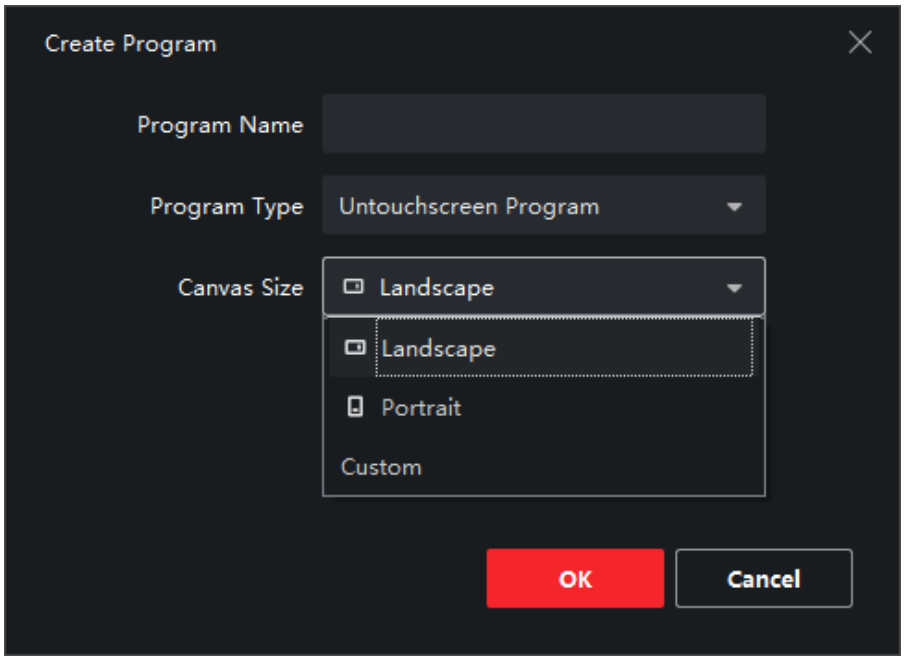


Figure 4-2 Program Basic Settings

Step 2 Enter the information accordingly.

- **Program Name**: Customized to specify the program.
- **Program Type**: Choose the type according to the terminal type. Touchscreen program can realize touch-screen function only when it's played on the touchscreen terminal.
- **Canvas Size**: Choose the size according to terminal type. It supports to be customized.

4.1.2 Manage Page

Step 1 Edit **Page Attributes.**

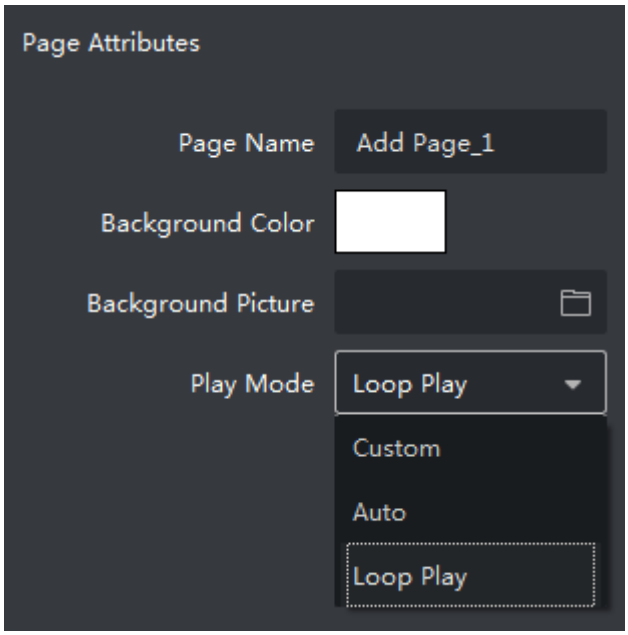


Figure 4-3 Page Attributes

Play Duration:

- When **Play Mode** is **Custom**, you can set the play duration accordingly. (Unit: s)
- When **Play Mode** is **Auto**, you need to set the play times. If you enter N, the page plays N time(s).
- When **Play Mode** is **Loop Play**, the page plays in a continuous loop.

Step 2 Optionally, click to add page.

NOTE

- Up to 32 pages can be added.
- You can adjust the program order. Program will be played according to the page order.

4.1.3 Add Window

You can add template, picture, audio, video, text, document, application, clock, countdown, passenger flow, streaming media, network camera, web page, etc. And you can create empty windows.

After configuring the page, click the window to add it to the page.

Table 4-1 Format Requirement

Window Type	Format Requirement
Video	ASF, AVI, MPG, 3GP, MOV, MKV, WMV, FLV, MP4
Picture	BMP, JPG, PNG, GIF
Audio	MP3, WAV, WMA
Document	TXT, PDF

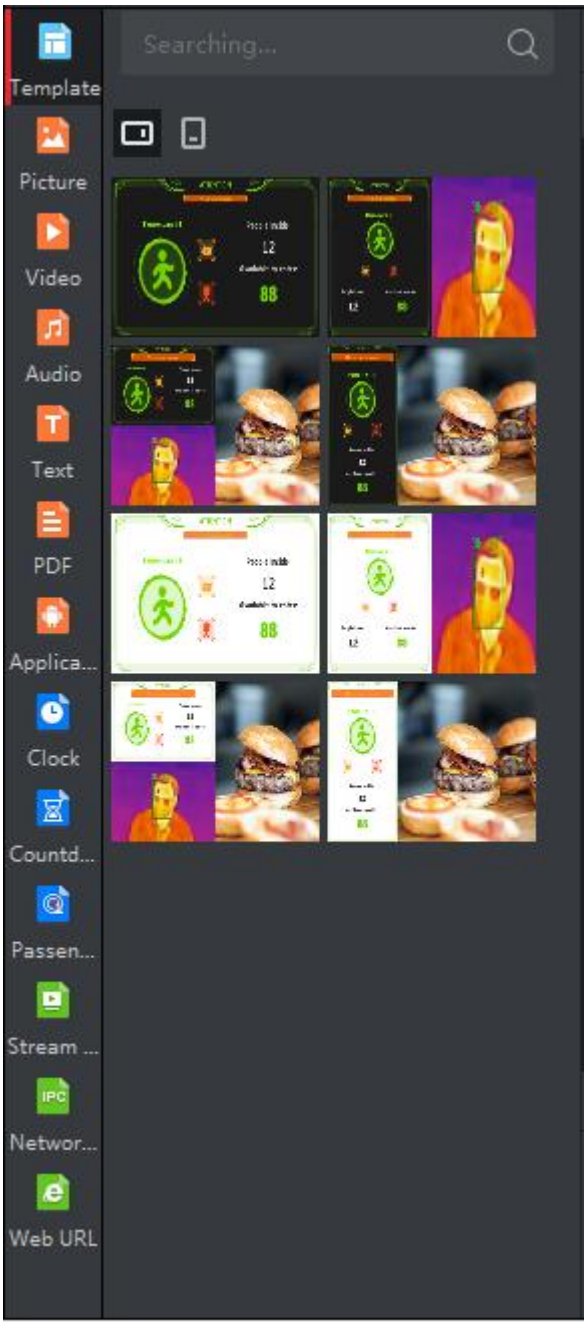


Figure 4-4 Window List

Add Empty Window

You can drag pictures, videos, and other materials into an empty window, or directly add a picture window, a video window, etc.

Step 1 Click and click the page to create an empty window.

Step 2 Drag and scale the window or edit the attributes to set its position and size.

Step 3 Drag the material into the window.

Add Template Window

There are several templates consisting of passenger flow, picture, network camera, and other materials. You can draw the desired material and then edit it. The edited programs are also allowed to be set as templates.

Step 1 Click **Template** and draw the desired material to the page to create a template window.

NOTE

The template material cannot be relocated and scaled.

Step 2 Optionally, edit the text and pictures in the template.

1) Click **Normal** or **Alarm** to edit related picture.
2) Click the text directly to edit, and configure related parameters on the right.
3) Click to select the desired background pictures or icons.

Step 3 Configure the camera channel.

- **Enable NVR**: Configure the parameters of NVR.
- **Add Network Camera Material:** Refer to **Add IPC Material Window.**

Step 4 Set the maximum number of people allowed to enter.

Step 5 Drag the material into the window.

Step 6 Configure **Voice Alarm,** check the desired alarm events.

Step 7 Check the desired content to be displayed.

Add Picture Window

Step 1 Select **Picture** on the program editing interface**.**

Step 2 Click to select the picture to be added.

Step 3 Drag the picture to the canvas.

Step 4 Adjust the picture position and size by dragging and scaling, or by editing the attributes on the right.

Add Video Window

NOTE

Up to 4 video windows can be added for one single page.

Step 1 Select **Video** on the program editing interface**.**

Step 2 Click to select the video to be added.

Step 3 Drag the video to the canvas, and set the position and size.

Step 4 Set the Play Mode.

- **Material Time**: Play the material for one entire time.
- **Custom**: Play the material for the time you set.

Step 5 Optionally, check **Close Auto** to play the video in mute.

NOTE

For multiple video windows added to one page, only one video can be played in non-mute mode. Check **Close Auto** for the other windows.

Add Audio Window

NOTE

Only one audio window can be added for one single page.

Step 1 Select **Audio** on the program editing interface**.**

Step 2 Click to select the audio to be added.

Step 3 Drag the audio to the canvas, and set the position and size.

Step 4 Set the Play Mode.

- **Material Time**: Play the material for one entire time.
- **Custom**: Play the material for the time you set.

Add PDF Window

Step 1 Select **PDF** on the program editing interface**.**

Step 2 Click to select the PDF to be added.

Step 3 Drag the PDF to the canvas, and set the position and size.

Step 4 Set the play mode and duration.

Add TXT Window

Step 1 Select **Text** on the program editing interface**.**

Step 2 Click to select the TXT to be added.

Step 3 Drag the TXT to the canvas, and set the position and size.

Step 4 Set the font size, font color, background color.

NOTE

Click and click the page to create an empty TXT window. You can edit the content in the window.

Add APP Window

NOTE

Only 1 APP window can be added for one single page, and no other window can be added.

Step 1 Select **Application** on the program editing interface**.**

Step 2 Click to select the app to be added.

Step 3 Drag the app to the canvas.

Add Clock Window

NOTE

Only 1 clock window can be added for one single page.

Step 1 Select **Clock** on the program editing interface**.**

Step 2 Click to the canvas, adjust the size, position and background picture.

Step 3 Set the clock format:

1) Click the clock icon to display the content settings.
2) Check the checkbox accordingly set clock format.

Add Countdown Window

Step 1 Select **Countdown** on the program editing interface**.**

Step 2 Click

to the canvas, adjust the size, position and background picture.

Step 3 Set the stop time and unit.

Step 4 Set the countdown format, such as font, color, etc.

Add Passenger Flow Window

Step 1 Select **Passenger Flow** in the program editing interface**.**

Step 2 Drag the passenger flow material to the canvas, and adjust the size and position.

Step 3 Refer to **Add Template Window** for other configurations.

Add Stream Media Window

NOTE

Up to 4 stream media window can be added for one single page.

Step 1 Select **Stream Media** on the program editing interface**.**

Step 2 Click , enter name and URL, and click **Confirm**.

Step 3 Drag the stream media to the canvas, adjust the size and position.

Step 4 Set play duration on the right.

Step 5 Optionally, check **Close Audio** to play it in mute.

Add IPC Material Window

Step 1 Select **Network Camera** on the program editing interface**.**

Step 2 Click , enter the parameters, and click **Confirm**.

Step 3 Drag the IPC material to the canvas, adjust the size and position.

Step 4 Set play duration on the right.

Step 5 Optionally, check **Close Audio** to play it in mute.

Add Web Window

Step 1 Select **Web URL** on the program editing interface**.**

Step 2 Click , enter name and URL, and click **Confirm**.

Step 3 Drag the IPC material to the canvas, adjust the size and position.

Step 4 Set play duration on the right.

Add Button Window

NOTE

- You can only add button window in touchscreen program.
- Button window only takes effect on the touchscreen terminal.
- Up to 16 button windows are supported to add to one page.

Step 1 Click and click the page to create a button window.

Step 2 Adjust the button size and position.

Step 3 Set window type:

- **Pop-up window**: click the button to pop-up the window.
- **Normal**: You need to set the connect method in the Event Type.

Step 4 Select event type and link:

- **New Pop-up Window**: click the button to pop-up a new window.
- **New Page**: click the button to open a new page.

4.1.4 Edit Page

Click the buttons to edit the program.

Figure 4-5 Function Bar

Table 4-2 Function Description

Function	Description
	Quickly add an empty, template, or button window.
	Align the horizontal positions of multiplae windows to the left, middle, or right.
	Align the vertical positions of multiple windows to the top, middle, or bottom.
	Display the window with the real resolution.
	Self-adaptive resolution.
Auto Adhesion	Once enabled, two windows will be connected when they're near enough.
Preview	Preview the edited page.
	Save the current page as a template.

4.2 Schedule Program

Purpose:

You can make a program playback schedule according to your needs.

4.2.1 Create Schedule

Step 1 Go to **Control Panel > Create Schedule.**

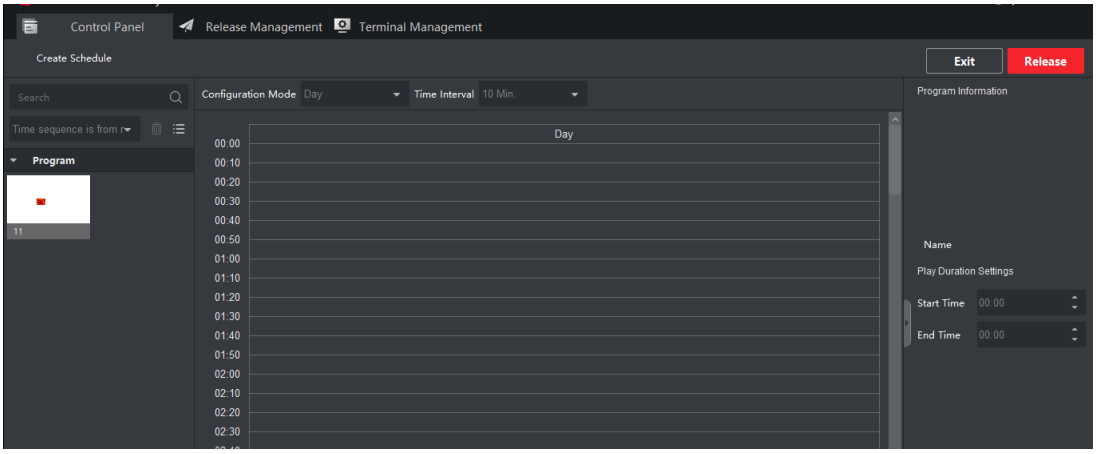


Figure 4-6 Add Schedule

Step 2 Select **Configuration Mode**: **Day**, **Week**, **Custom**.

Custom mode supports to play the program on specific period. Up to 90-day custom schedule is supported.

Step 3 Select **Time Interval**.

Step 4 Select program in Program List, and drag in the schedule.

Step 5 Set the start time and end time.

Step 6 Click **Release** to enter the release interface.

4.2.2 Create Loop Schedule

Step 1 Go to **Control Panel > Create Schedule.**

Step 2 Set **Configuration Mode** as **Loop**.

Step 3 Drag the program into the play list.

Step 4 Click to add new list.

NOTE

- Up to 8 programs can be added to one play list.
- Up to 8 loop play lists can be created.

Step 5 Play List 1 is no time-limited loop by default. Select time for the other loop play list.

- **No Time- Limited Loop**: The programs are played by order.
- **Time- Limited Loop**: Play the programs at specific period. The priority of **Time- Limited Loop** is higher than the **No Time- Limited Loop.**

Step 6 Click **Release** to enter the release interface.

4.3 Release

Purpose:

Release the programs to information release screen.

4.3.1 Release Program

Before you start:

User has finished the program creating process.

Step 1 Open **Release** interface.

- Click **Quick Release** on the program editing interface;
- Click **Release** on the creating schedule interface;
- Click on the play list interface.

Step 2 Enter **Task Name**.

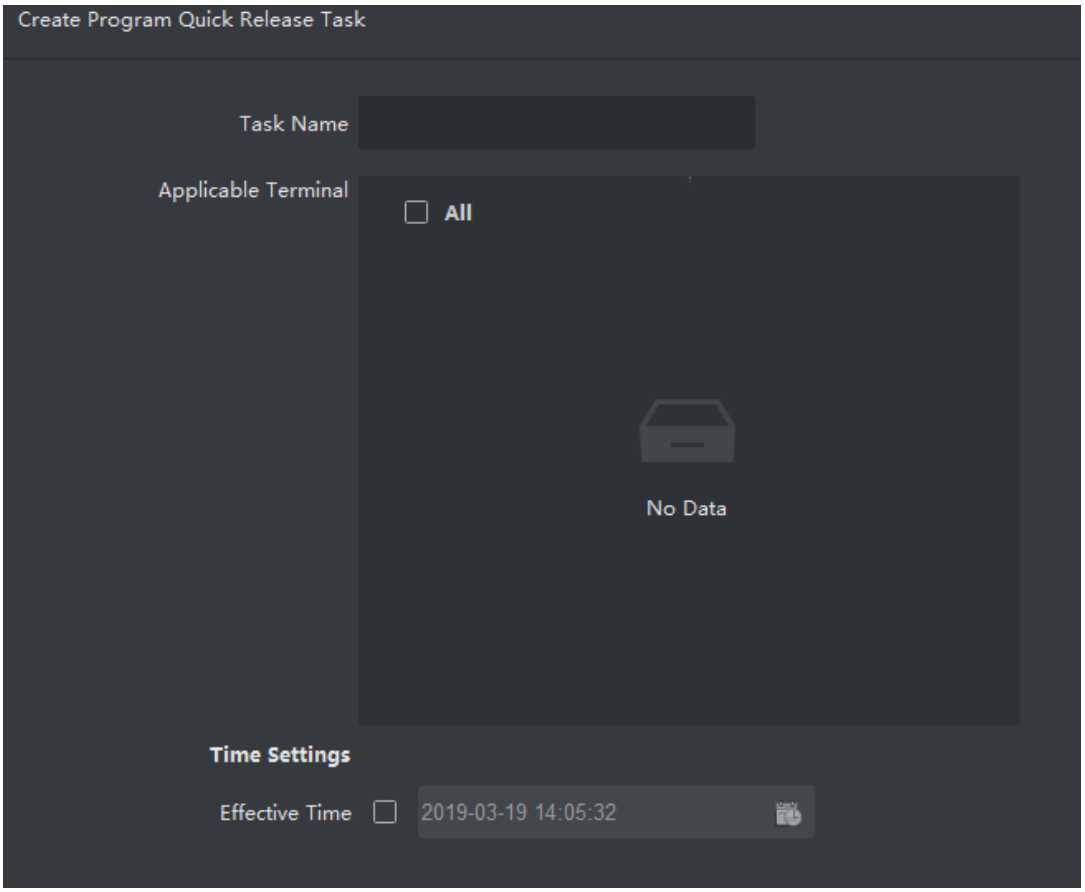


Figure 4-7 Release Task

Step 3 Select **Applicable Terminal**.

Step 4 Select **Effective Time**. If you don't the select time, the program will be release instantly.

Step 5 Click **Release**.

4.3.2 Cut-in Release

Purpose:

The program or text will be played once the terminal received cut-in release order.

Cut-in Program Release

Step 1 Create **Cut-in Release** task.

- Click **Cut-in Program** on the program editing interface;
- Click on the play list interface.

Step 2 Enter the release task name.

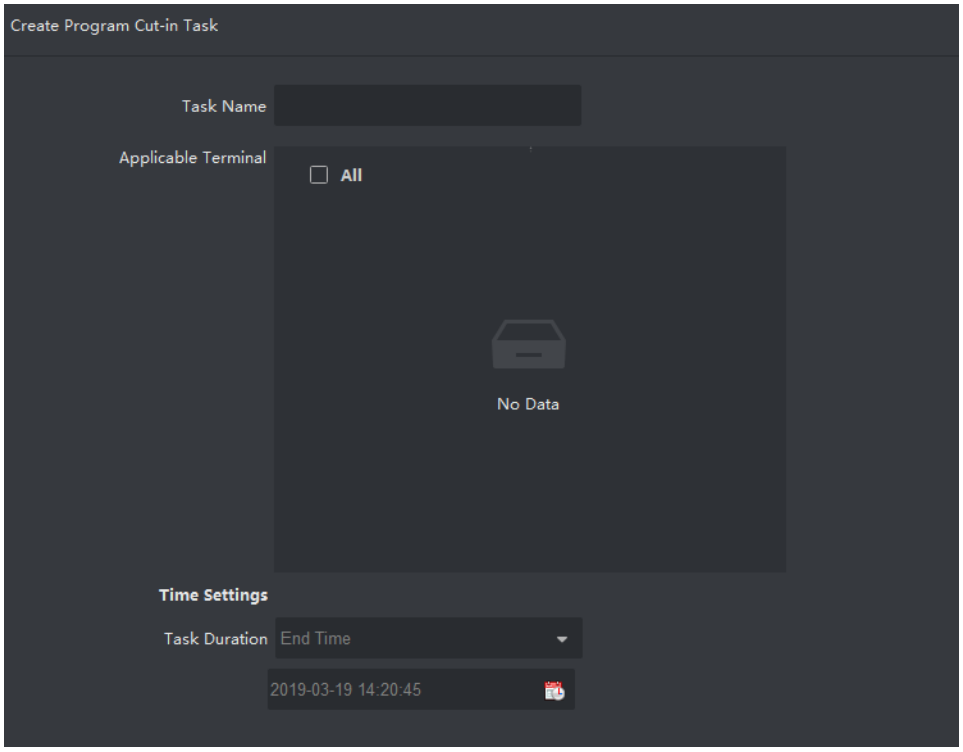


Figure 4-8 Cut-in Release Task

Step 3 Select **Applicable Terminal**.

Step 4 Select **Time Duration**.

Step 5 Click **Release**.

Cut-in Text Message

Step 1 Click **Cut-in Text Message** on the control panel.

Step 2 Enter the task name.

Step 3 Select **Applicable Terminal**.

Step 4 Click to **Add Content**, fill the text messages. Up to 5 messages can be added.

Step 5 Select **Time**.

Step 6 Set the window position, font, background, display mode, etc.

Step 7 Optionally, click **Preview** to check the message play effect.

Step 8 Click **Release**.

4.3.3 Release Default Video

Purpose:

You can set program as default video and release it to the terminal. The terminal will play default video automatically if there is no program or cut-in.

Step 1 Select terminals in **Terminal Management**.

Step 2 Enable **Default Play Enable**.

Step 3 Select terminals **Control Panel**, then click .

Step 4 Enter task name.

Step 5 Select terminals.

Step 6 Check **Effective Time**, then click to set the effective time.

NOTE

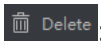
The program will become effective immediately after release if you do not check **Effective Time**.

Step 7 Click **Release**.

4.3.4 Relevant Operations of Release

Purpose:

Refer to the following descriptions for relevant operations of release in **Release Management**.

- : View the release details of program or schedule.
- : Cancel release.
-  : Delete program release/schedule release.
- *Cancel release:* Click **Cancel Release** to cancel releasing program in Release Progress interface.
- *Re-release:* Click **Re-release** to re-release cancelled task in Release Progress interface.

Chapter 5 System Management

Go to the upper-right corner of the client to set the saving path and system language, change password, or get more help.

5.1 Space Management

Designate a saving path for the uploaded materials, and check storage space of the current saving path.

Step 1 Click on the right side of the homepage to enter **Space Management**.

Step 2 Optionally, view the current space usage.

Step 3 Click **Set** to set the desired saving path for materials.

Step 4 Click **Save**.

Step 5 Optionally, click **Unused Material List** to check the details of used materials.

5.2 Account Setting

After logging in to the client, you can change the admin password and enable/disable auto login at anytime.

Click on the upper-right corner of the client when needed, the following operations are allowed:

- Change the login password.
- Enable/Disable auto login.

5.3 Client Locking

To ensure data security and avoid improper operation, you can lock the client as required.

Click on the upper-right corner of the client, the current interface will be lock. Enter your password to unlock.

5.4 System Information

Get help information, check software version, and set system language.

Click on the upper-right corner of the client when needed, the following operations are allowed:

- View the guidance of creating program.

- Download the user manual.
- Check the open source software license.
- Check software version.
- Set the desired system language.

See Far, Go Further