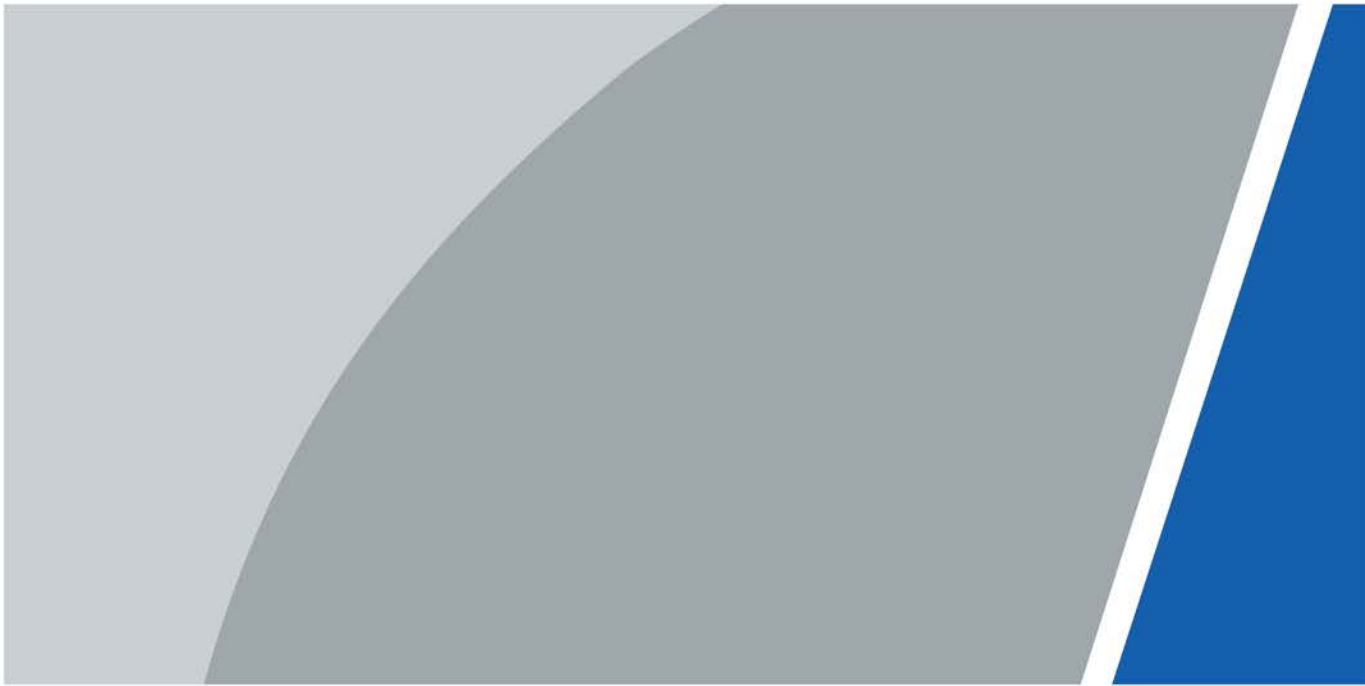


SmartPSS Lite

User's Manual








Foreword

General

This manual introduces the functions and operations of the SmartPSS Lite (hereinafter referred to as "the Platform"). Read carefully before using the platform, and keep the manual safe for future reference.

Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
 DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
 TIPS	Provides methods to help you solve a problem or save time.
 NOTE	Provides additional information as a supplement to the text.

Revision History

Version	Revision Content	Release Time
V1.0.0	First release.	April 2022

Privacy Protection Notice

As the device user or data controller, you might collect the personal data of others such as their face, fingerprints, and license plate number. You need to be in compliance with your local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures which include but are not limited: Providing clear and visible identification to inform people of the existence of the surveillance area and provide required contact information.

About the Manual

- The manual is for reference only. Slight differences might be found between the manual and the product.
- We are not liable for losses incurred due to operating the product in ways that are not in compliance with the manual.
- The manual will be updated according to the latest laws and regulations of related jurisdictions. For detailed information, see the paper user's manual, use our CD-ROM, scan the QR code or visit our official website. The manual is for reference only. Slight differences might be found between the electronic version and the paper version.
- All designs and software are subject to change without prior written notice. Product updates

might result in some differences appearing between the actual product and the manual. Please contact customer service for the latest program and supplementary documentation.

- There might be errors in the print or deviations in the description of the functions, operations and technical data. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and company names in the manual are properties of their respective owners.
- Please visit our website, contact the supplier or customer service if any problems occur while using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

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1 Overview

SmartPSS Lite is a client software developed for small and medium-sized solutions. You can download various solutions as needed. This manual introduces the general functions and operations.

2 Installation and Login

2.1 Installation

Contact technical support or download ToolBox to get the SmartPSS Lite.

- If you get the software package of the SmartPSS Lite, install and run the software according to page instructions.
- If you get the software by the ToolBox, run the SmartPSS Lite according to page instructions.

2.2 Login

2.2.1 Initialization

Initialize SmartPSS Lite when you log in for the first time, including setting a password for login and security questions for resetting password.

Step 1 Double-click SmartPSSLite.exe, or click **Open** next to the software icon in the ToolBox.

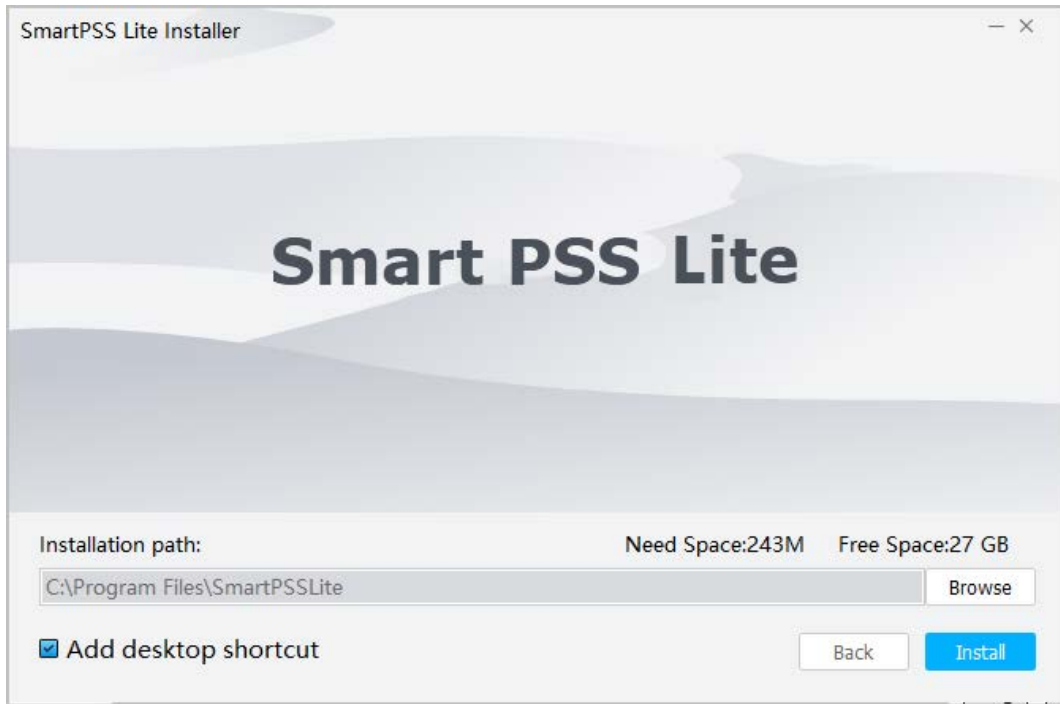
Step 2 Select the language from the drop-down list, select **I have read and agree the software agreement**, and then click **Next**.

Figure 2-1 Select language



Step 3 Click **Browse** to select installation path, and then click **Install**.

Figure 2-2 Select installation path

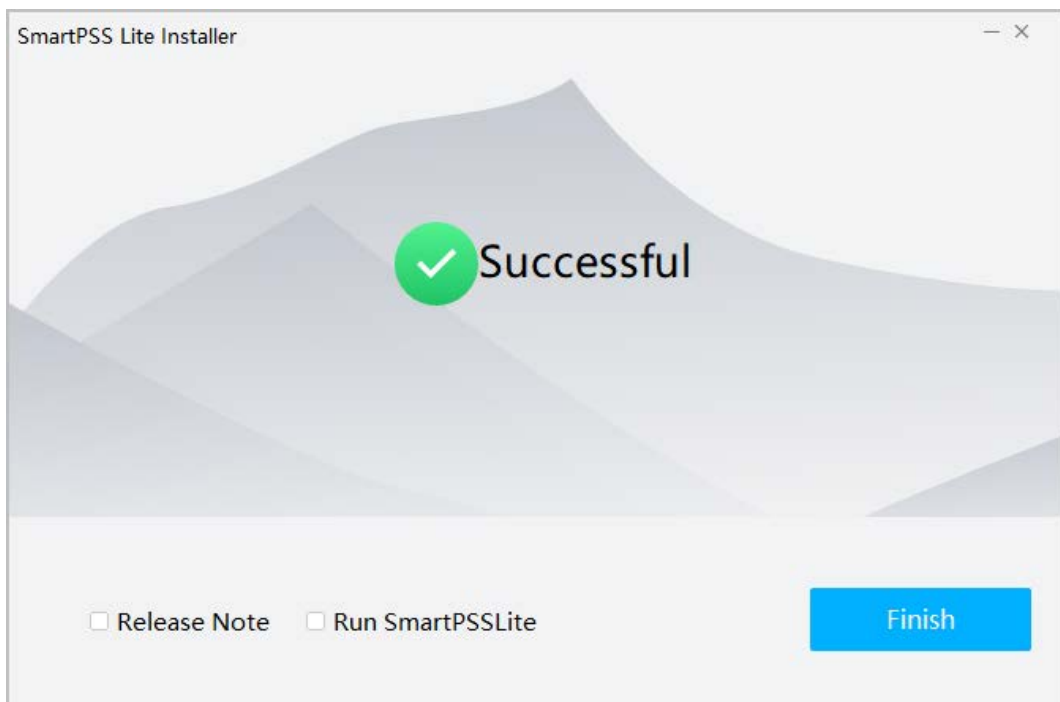


Step 4 Click **Finish** to complete the installation.



Select **Run SmartPSSLite** to start SmartPSS Lite.

Figure 2-3 Install complete



Step 5 Click **Agree and Continue** to agree **Software License Agreement** and **Product Privacy Policy**.

Step 6 Set password on the **Initialization** page, and then click **Next**.

Figure 2-4 Set password

The screenshot shows a window titled 'Initialization' with a close button (X) in the top right corner. Below the title bar, there are two tabs: '1. Password Setting' (which is active and highlighted) and '2. Password Protection'. A yellow warning icon with an exclamation mark is followed by the text 'Please set admin password at first installation!'. Below this, there are two input fields: 'Password' and 'Confirm Password', both containing eight black dots. Between these fields is a 'Password Strength' indicator consisting of a horizontal bar that is partially filled with orange and the rest is grey. Below the input fields is a checkbox labeled 'Auto Login after Registration' which is currently unchecked. At the bottom right of the window, there are two buttons: a blue 'Next' button and a dark grey 'Cancel' button.

Table 2-1 Initialization parameters

Parameter	Description
Password	The password must consist of 8 to 32 non-blank characters and contain at least two types of characters among uppercase, lowercase, number, and special character (excluding ' " ; : &).
Password Strength	Display the effectiveness of a password against guessing or brute-force attacks. Green means the password is strong enough, and red means less strong. Set a password of high security level according to the password strength prompt.
Confirm Password	Enter the password again to confirm the password.
Auto Login after Registration	Enable Auto Login after Registration so that the SmartPSS Lite will log in automatically after initialization; otherwise the login page is displayed.

Step 7 Set security questions, and then click **Finish**.

Figure 2-5 Set security questions

Initialization

1.Password Setting 2.Password Protection

⚠ Please set security questions!

Question 1 What is your favorite children's book? ▼

Answer

Question 2 What was the first name of your first boss? ▼

Answer

Question 3 What is the name of your favorite fruit? ▼

Answer

Finish

2.2.2 Daily Login

Step 1 Double-click SmartPSSLite.exe, or click **Open** next to the software icon in the ToolBox.

Step 2 Enter username and password, and then click **Login**.

Figure 2-6 Login

SmartPSS lite

admin

••••••••

Remember Password Auto Login

Login

Forgot password?

Table 2-2 Parameters of login

Parameter	Description
Remember Password	Enable Remember Password so that you do not need to enter the password again when logging in next time.

Parameter	Description
Auto Login	Enable Auto Login so that the SmartPSS Lite will log in automatically the next time when you use the same user account.
Forgot password?	Click Forgot password? to reset password through security questions when you forget the password.

2.3 Password Reset

You can reset the password by answering the security questions.

Step 1 Double-click SmartPSSLite.exe, or click **Open** next to the software icon in the ToolBox.

Step 2 Click **Forgot password?** on the login page.

Step 3 Answer the security questions, and then click **Next**.

Step 4 Reset password according to page instructions.

2.4 Feedback


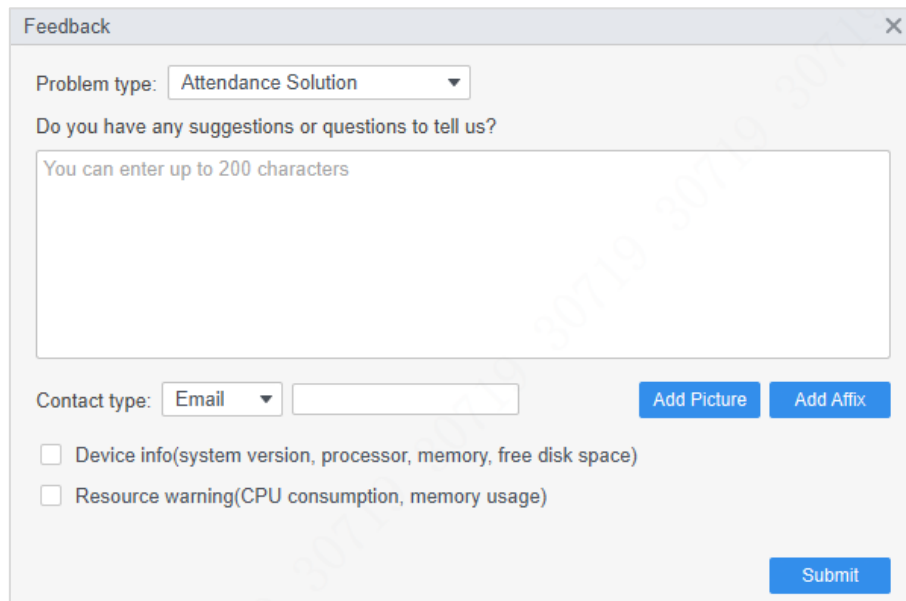
If you have any suggestion, on the upper right corner of the page, select  > **Feedback**, and then you can enter suggestions (words), upload pictures and attachments, and then click **Submit**.

Figure 2-7 Feedback



Feedback

Problem type: Attendance Solution

Do you have any suggestions or questions to tell us?

You can enter up to 200 characters

Contact type: Email

Add Picture Add Affix

Device info(system version, processor, memory, free disk space)

Resource warning(CPU consumption, memory usage)

Submit

3 Home Page

The homepage consists of 9 parts.

Figure 3-1 Home page

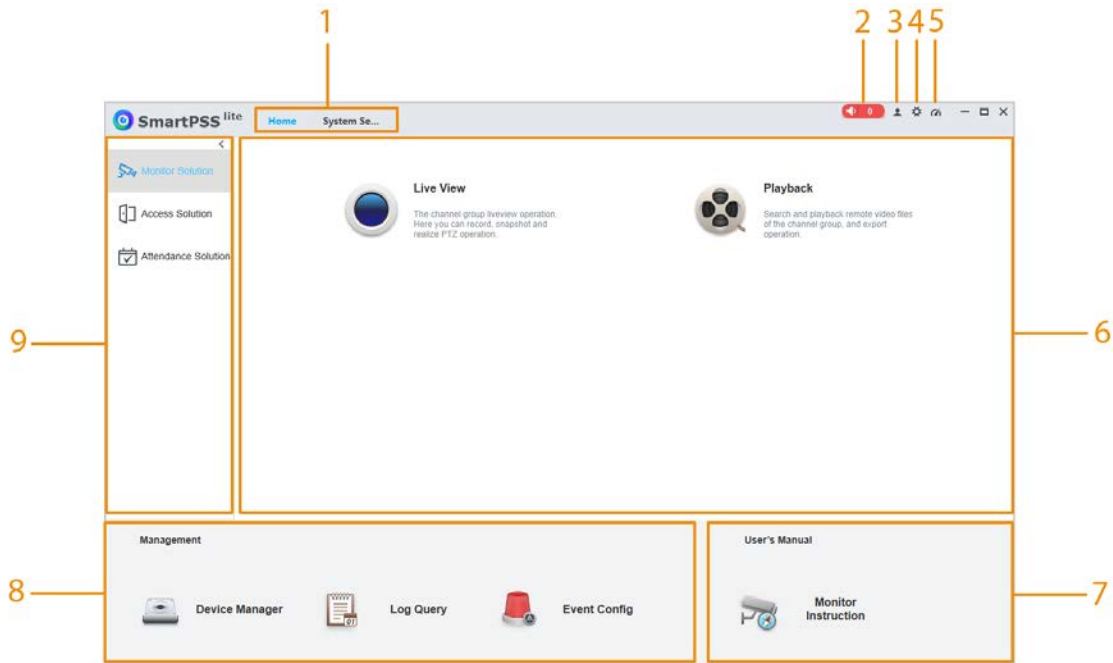












Table 3-1 Parameters of home page

No.	Parameter	Description
1	Function tab	Display the home page by default. When you click on a function for the first time, the function tab is added here.
2	Alarm sound	Click  or  to turn on or turn off the alarm sound. The number on the icon means the number of alarm events that are reported but unprocessed. Click the number to open the Event Center to view the details of alarm events. For details, see "8 Event Center".

No.	Parameter	Description
3	User management	<ul style="list-style-type: none"> ● Click , and then select User Manager to manage users, such as add role/user, delete role/user and set permissions. ● Click , and then select Lock Screen to lock screen. Enter password of login account when you want to unlock. ● Click , and then select Switch User to return to the login page. You can log in with new account. ● Click , and then select Help Manual to get the user's manual. ● Click , and then select About to view the system version, date, Opensource Statement and Software license agreement. <p>Enable Open Debugging Log so that the debugging logs are saved automatically to a local path, for locating and problems solving.</p>
4	System configuration	Configure basic setting, monitoring setting and other parameters. For details, see "4 System Configuration".
5	System status	Click  to view the using status of CPU and RAM. If the CPU usage is high, the icon turns red.
6	Function module	Click the function icon to go to the function page.
7	User's Manual	Click the icon to get the user's manual of the corresponding solution.
8	Management	<ul style="list-style-type: none"> ● Device Manager: You can add devices, remotely configure the device, modify IP address and more. ● Log Query: You can query and export the log information of the platform and device. ● Event Config: Configure alarm linkage actions.
9	Solution module	Select the needed solution. Click  or  to display or hide solutions.

4 System Configuration

4.1 Basic Setting


Configure the time, language, skin and other functions of the platform.

Step 1 Select  > **System Config** > **Basic setting**.

Step 2 Configure basic setting parameters.

Figure 4-1 Basic setting

Table 4-1 Description of basic setting parameters

Parameters	Description
Timing	Enable Auto Check Time Everyday and set Check Time so that the devices check time automatically at the set point in time.
Auto Start	The platform is automatically started after the computer is turned on.
Language	Display the language which is activated after restart.
Log save time	Set the save time of log and then logs from today to the set time will be saved. This function is activated after restart. For example, set the save time as 30, and then the logs of the last 30 days will be saved.
Data format	Select data display format.
Time format	Select time display format.
Network ability	Select network ability according to your network condition. For example, when network condition is fluent, you are recommended to select High .
Skin	Select the skin which is activated after restart. The default setting is grayish white.
Minimum Behavior	Select Show Floating Window , and after the platform is minimized, a  will be displayed prompting the number of the triggered alarm events.

Parameters	Description
Initial Page	Select the function tab that is opened by default when the platform is started. You can select from Home and Resume last page .
Close Prompt	A prompt will automatically pop up when the platform is closed. Select Don't show again if you do not need the prompt.

Step 3 Click **Apply**.

4.2 Monitor Setting

Configure default system type, instantly replay time, local record time and other functions.

Step 1 Select  > **System Config** > **Monitor setting**.

Step 2 Configure monitor setting parameters.

Figure 4-2 Monitor setting

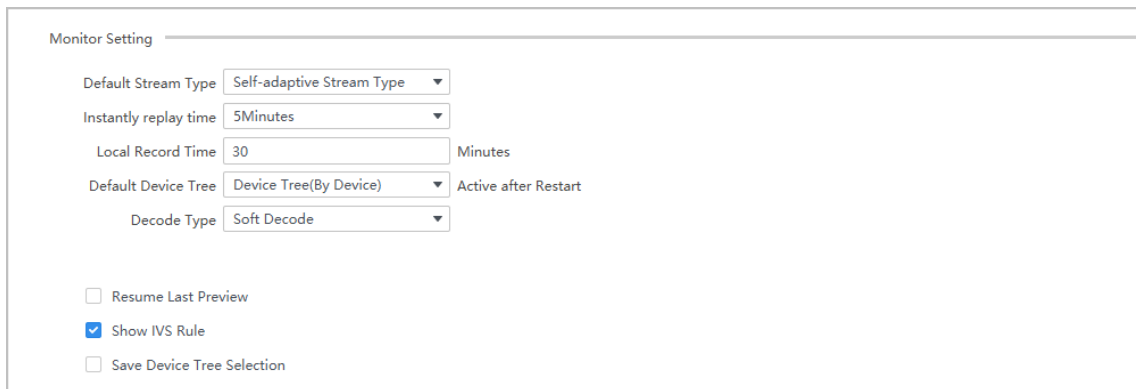



Table 4-2 Description of monitor setting parameters

Parameter	Description
Default Stream Type	Select the real-time default stream type. You can select from Self-adaptive Stream Type , Sub Stream and Main Stream .
Instantly replay time	Select the instantly replay time. For example, if the value is set to 5 minutes, the previous 5 minutes will be played back
Local Record Time	Select the local record time. For example, if the value is set to 30 minutes, the system records a video for 30 minutes and then automatically saves the video to the default path on the computer. The default path is \Data\User\Record.
Default Device Tree	<ul style="list-style-type: none"> • Device Tree (By device): Display with the device as a node. • Region Tree (By Channel): Display with the channel as a node.
Decode Type	<ul style="list-style-type: none"> • Soft Decode: Decode videos through graphics cards. • Hardware Decode: Decode through CPU.
Resume Last Preview	After enabling this function, the platform automatically open the last preview after restarting the platform.
Show IVS Rule	After enabling this function, the IVS rules will be displayed on the monitoring screen.
Save Device Tree Selection	This function is not supported currently.

Step 3 Click **Apply**.

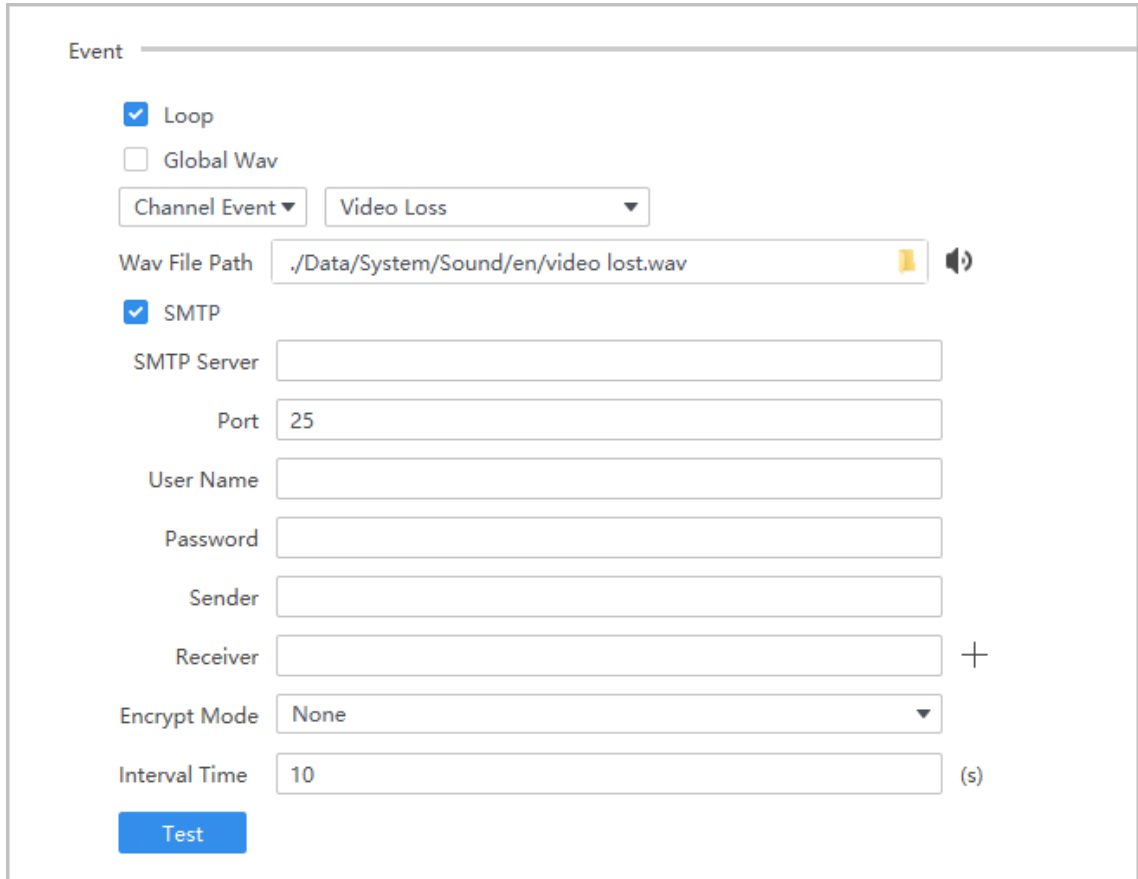
4.3 Event Setting

Configure the alarm sound and link the sender and receiver of the email.

Step 1 Select  > **System Config** > **Event**.

Step 2 Configure event setting parameters.

Figure 4-3 Event setting



Event

Loop

Global Wav

Channel Event Video Loss

Wav File Path ./Data/System/Sound/en/video lost.wav

SMTP

SMTP Server

Port 25

User Name

Password

Sender

Receiver

Encrypt Mode None

Interval Time 10 (s)

Test

Table 4-3 Description of event setting parameters

Parameter	Description
Loop	After enabling this function, the alarm sound will be looped once an event occurs.
Global Wav	<ul style="list-style-type: none"> Select Global Wav, and then select the sound file in the Wav File Path. The sound will be played after the corresponding event is triggered. Do not select Global Wav, and then select the event type and sound type in the drop-down list or select the sound file in the Wav File Path. The sound will be played after the corresponding event is triggered.

Parameter	Description
SMTP	<p>When you need to link email sending, you need to enable SMTP function.</p> <ul style="list-style-type: none"> • SMTP Server: SMTP (Simple Mail Transfer Protocol) server address. • Port: The port number of the SMTP server. • User Name: The account of SMTP server. • Password: The password of SMTP server. • Sender: The email address of the sender. • Receiver: The email address of the receiver. Supports 5 addresses at most. <p>After entering the receiver's email address, click Test to test whether the emails can be sent and received successfully.</p> <ul style="list-style-type: none"> • Encrypt Mode: Select from None, SSL (Secure Sockets Layer) and TLS (Transport Layer Security). • Interval Time: The platform sends alarm information according to the set interval time.

Step 3 Click **Apply**.

4.4 Local Path

Set the save path for the pictures, videos and other data collected by the platform.

Step 1 Select  > **System Config** > **Local Path**.

Step 2 Set the local path.

Figure 4-4 Set local path



Step 3 Click **Apply**.

4.5 Data Management



Periodically extract the attendance data from devices, and periodically clear the data, pictures and videos saved on the computer.

Step 1 Select  > **System Config** > **Data Management**.

Step 2 Configure data management parameters.

Figure 4-5 Data management

Table 4-4 Description of data management parameters

Parameter	Description
Extract attendance record regularly	The platform automatically extracts attendance and access control records and pictures according to the setting time.
Scheduled Extraction of Access Control Records	 <ul style="list-style-type: none"> For attendance devices, extract the attendance data directly. For access controllers, set the device as attendance point in advance and then extract the attendance data. For details, see <i>SmartPSS Lite Attendance Solution User's Manual</i>. If you set Regularly Extracting Time as Everyday, you can select five time points. If you set Regularly Extracting Time as Every Week, you can select a certain time point on a certain day.
Auto extraction	Enable Auto extraction function, and then the platform will automatically extract attendance records or access control records.
Overwrite Ratio	Enable Overwrite Ratio function, and then configure the ratio. When the disk is full, the system will automatically overwrite the older images and videos according to the ratio.
Data Clear	Configure the save time of database, pictures and videos according to actual requirements. The platform automatically clears data and pictures that exceed the saving time. It triggers at 00:00 each day or when the software is started.  This data does not include temperature monitoring data.
Temperature Monitoring Data Clear	<ul style="list-style-type: none"> Select temperature monitoring statics. Select the type of the temperature monitoring images and videos. It will be valid after restart. <ul style="list-style-type: none"> Overtemperature: Only save the images and videos of overtemperature. Overtemperature and not wearing face mask: Only save the images and videos of overtemperature and not wearing face mask. All records: Save the images and videos of all records.

Step 3 Click **Apply**.

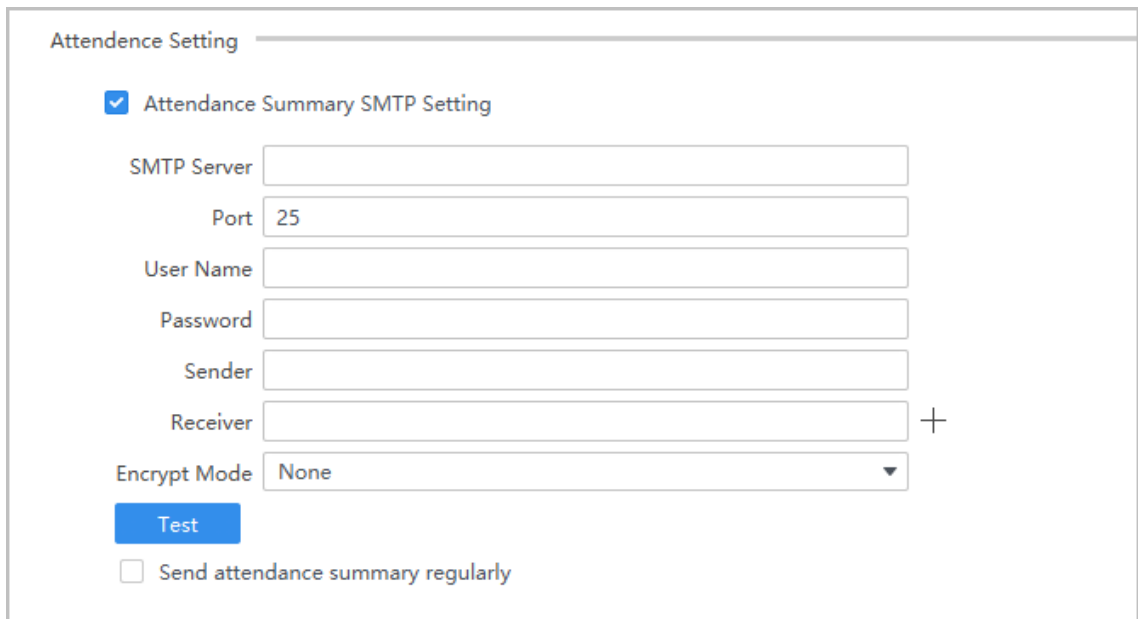
4.6 Attendance Setting

You need to enable **Attendance Summary SMTP Setting** function if you want the platform regularly send attendance summary to your email.

Step 1 Select  > **System Config** > **Attendance Setting**.

Step 2 Configure **Attendance Summary SMTP Setting** parameters. For details on SMTP parameters, see Table 4-3.

Figure 4-6 Attendance summary SMTP setting



Attendance Setting

Attendance Summary SMTP Setting

SMTP Server

Port

User Name

Password

Sender

Receiver +

Encrypt Mode

Send attendance summary regularly

Step 3 Click **Test** to test whether the email address is working.

Step 4 Enable **Send attendance summary regularly** to send the attendance summary regularly to your email.

Step 5 Click **Apply**.

4.7 Backup and Restore

Backup and restore platform configuration.

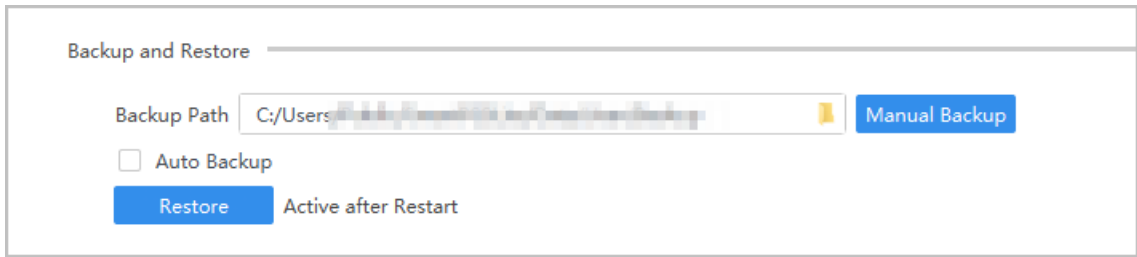
Step 1 Select  > **System Config** > **Backup and Restore**.

Step 2 Backup configurations to the computer. The platform supports to backup automatically and manually.

- Backup manually: Select the backup path, and then click **Manual Backup**.
- Backup Automatically: Select the backup path, and then enable **Auto Backup**.

Step 3 Click **Restore**, and then select the backup file that you need. Configurations will restore the file configurations.

Figure 4-7 Backup and restore



Step 4 Click **Apply**.

5 Device Management

The SmartPSS Lite allows for adding devices. You can remotely configure and operate the devices after adding by the SmartPSS Lite.

5.1 Adding Device

There are various methods to add devices. Select the most suitable method according to the situations, such as IP address and network segment.

- Automatically search
- Manually adding
- Import in batches

5.1.1 Adding Device by Auto Search



- We recommend you add devices by automatically search when you need to add devices in batches within the same network segment, or when the network segment is clear but the device IP address is unclear.
- Close ConfigTool and DSS when you configure devices; otherwise, you may not be able to find all devices.

Step 1 Click **Auto Search** on the **Device Manager** page.

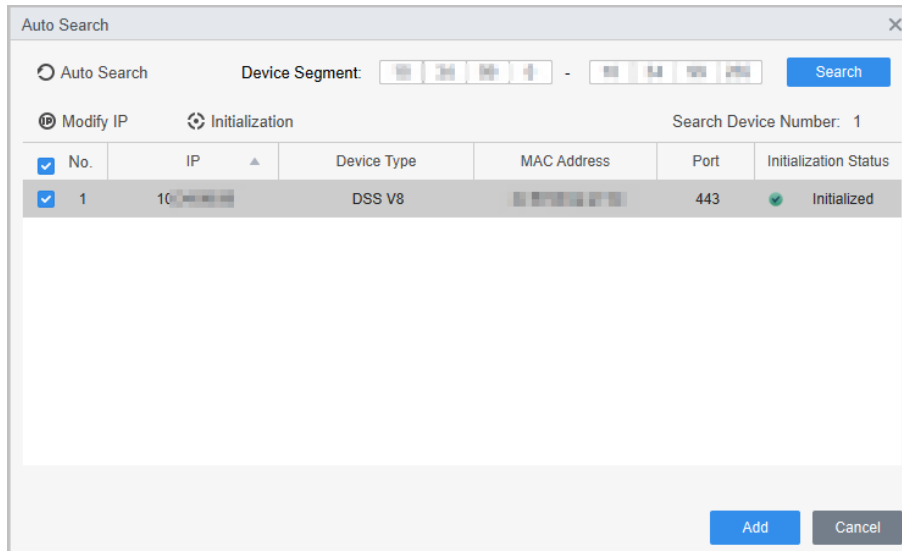
Step 2 Set the range of network segment, and then click **Search**.

The list of searched devices is displayed.



- Click **Auto Search** to refresh the search results.
- Click one needed device and then click **Modify IP** to change the IP address, subnet mask and gateway. For details, see "5.4.3 Changing IP Address".
- Click one uninitialized device and then click **Initialization**. You can reset IP address, subnet mask, gateway and login password. For details, see "5.4.2 Initialization".

Figure 5-1 Search results



Step 3 Click the needed devices, and then click **Add**.

Step 4 Enter the login user name and password, and then click **OK** to confirm.



- The **Auto Search** page is still displayed after adding devices. You can continue to add or click **Cancel** to quit.
- Devices will be logged in automatically after adding. If the login is successful, the status displays as online; otherwise it is offline.

5.1.2 Adding Device Manually

We recommend you add devices manually when you need to add one single device with certain IP address or domain name.

Step 1 Select **Add** on the **Device Manager** page.

Step 2 Set device parameters.

- Add devices through IP.

Figure 5-2 Add device manually

Table 5-1 Parameters of IP adding

Parameter	Description
Device Name	We recommend you name devices with the monitoring area for easy identification.
Method to add	Select IP .
IP	Enter the IP address of the device.
Port	Enter the port number, and the port number is 37777 by default. The actual port number shall prevail.
User Name	Enter the login user name.
Password	Enter the login password.

- Add devices through SN.

Figure 5-3 Add devices through SN

Table 5-2 Parameters of SN adding

Parameter	Description
Method to add	Select SN (For Device Support P2P) .
SN	Enter the serial number of the device.

Step 3 Click **Add** to add the device, and then close the **Add Device** page; or click **Add and Continue** to add the device and stay on the **Add Device** page so that you can add another device conveniently.

5.1.3 Importing Device in Batches

We recommend you add devices by importing when you need to add devices in batches but they are not on the same network segment. Organize the device information as a file in .xml format, and then import the file.



You can export the template of device information. Select a device and click **Export**.

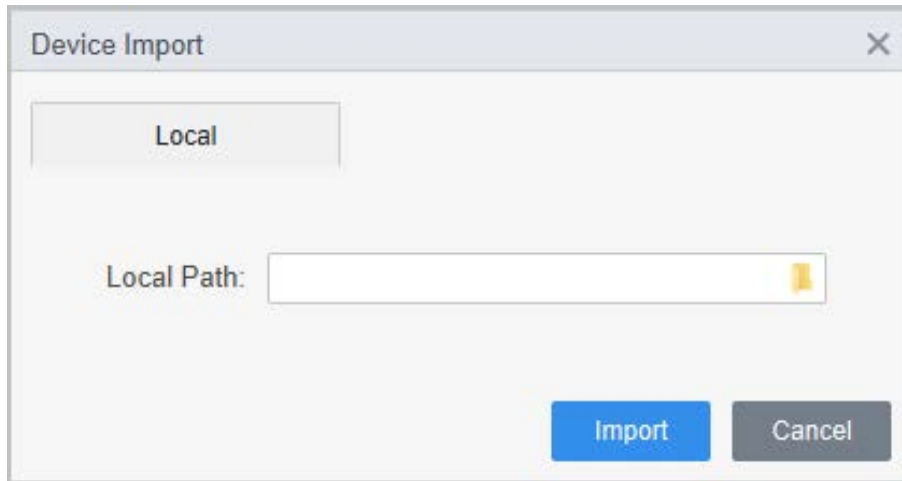
Step 1 Click **Device Manager > Import**.

Step 2 Select the information file, and then click **Import**.



Devices will be logged in automatically after adding. If the login is successful, the status displays as online; otherwise it is offline.

Figure 5-4 Import device information in .xml format



5.2 Deleting Device


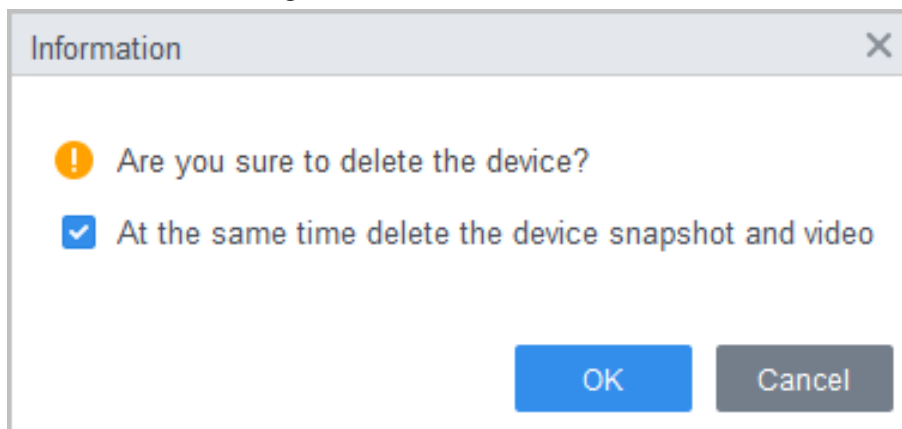
- Step 1 Select **Device Manager** on the home page.
- Step 2 Select the device that you do not need any more, and then click **Delete** or  on the right side of device.
- Step 3 (Optional) select **At the same time delete the device snapshot and video** if you do not need those snapshots and videos; otherwise, do not select it.

Figure 5-5 Delete device



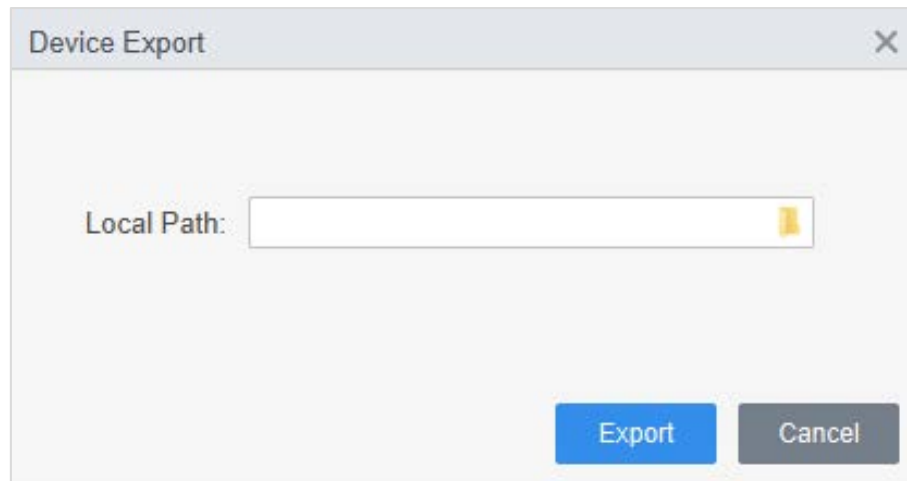
- Step 4 Click **OK**.

5.3 Exporting Device

You can export device information to local.

- Step 1 Select **Device Manager** on the home page.
- Step 2 Select the device which needs to be exported, and then click **Export** on the **Device Manager** page.
- Step 3 Select the local path of export, and then click **Export**.

Figure 5-6 Export device information




5.4 Editing Device

5.4.1 Editing Device Information

You can modify the information of added device, such as name, login user name and password.

Step 1 Select **Device Manager** on the home page.

Step 2 Click  on the right side of the selected device or double-click the device on the device list.

Step 3 Edit device information.

Step 4 Click **Save**.

5.4.2 Initialization

You can only initialize devices which are on the same network segment as the computer.

Step 1 Click **Device Manager > Auto Search**.

Step 2 Set the range of network segment, and then click **Search**.

Figure 5-7 Device list

The screenshot shows a window titled "Auto Search" with a close button (X) in the top right corner. Below the title bar, there are two tabs: "Auto Search" (selected) and "Modify IP". To the right of the tabs, there is a "Device Segment" field with the value "10 34 99 0" and a "Search" button. Below the tabs, there is an "Initialization" icon and a "Search Device Number: 1" field. A table with the following columns is displayed: "No.", "IP", "Device Type", "MAC Address", "Port", and "Initialization Status". The table contains one row with the following data: "1", "10.34.99.0", "DSS V8", "[blurred MAC address]", "443", and "Uninitialized". At the bottom right of the window, there are "Add" and "Cancel" buttons.

No.	IP	Device Type	MAC Address	Port	Initialization Status
1	10.34.99.0	DSS V8	[blurred MAC address]	443	Uninitialized

Step 3 Select the uninitialized device, and then click **Initialization**.

Step 4 Set password, and then click **Next**.

Figure 5-8 Set password

The screenshot shows a window titled "Set password" with a close button (X) in the top right corner. At the top, there are three steps: "1. Set a password." (selected), "2. Password security.", and "3. Modify IP address.". Below the steps, there is a "User Name" field with the value "admin". Below that, there is a "Password" field with a red asterisk and a password strength indicator (a bar with orange, yellow, and green segments). Below the "Password" field, there is a "Confirm Password" field with a red asterisk. Below the fields, there is a message: "Please input 8~32 bytes from letters or numbers or symbols.". At the bottom right of the window, there are "Next" and "Cancel" buttons.

Step 5 Enter email address for password resetting.

Figure 5-9 Reserve email address

1. Set a password. 2. Password security. 3. Modify IP address.

Email

Bind Email Address: * Reset Password

Back Next > Cancel

Step 6 Enter new IP address, subnet mask and gateway, and then click **Finish**. If they are not entered, the three parameters will be the default values.

Figure 5-10 Modify IP address

1. Set a password. 2. Password security. 3. Modify IP address.

New IP:

Subnet Mask:

Gateway:

Back Finish Cancel

5.4.3 Changing IP Address

After initializing remote device, you can change the IP address of initialized devices.

- Step 1** Click **Auto Search** on the **Device Manager** page.
- Step 2** Set the range of network segment, and then click **Search**.
- Step 3** Select the needed devices, and then click **Modify IP**.
- Step 4** Change the IP address, subnet mask and gateway of the device, and then click **OK**. You can change IP of a single device or of devices in batches.



- For batch change, the new IP will be assign to the top-most device, and other IP addresses will increase by 1 from top to bottom. For example, if you select two devices and set the new IP as 192.168.1.10, then the IP address of top device on the list will be changed as 192.168.1.10, and the next device will be changed as 192.168.1.11.
- For batch change, the subnet mask and gateway will be assigned to all selected devices.

Figure 5-11 Change IP of a single device

Modify Device IP

New IP: *

SubMask: *

Gateway: *

OK Cancel

Figure 5-12 Change IP of devices in batches

Batch modify the device IP

5 Devices have been selected!

Start IP: *

SubMask: *

Gateway: *

OK Cancel

- Step 5** Enter the login username and password, and then click **OK** to confirm.




5.4.4 Device Configuration

For some access control devices, you can make configuration, including time setting, firmware upgrade, device restart, personnel extraction and attendance record extraction.

Procedure

- Step 1** Select **Device Manager**, and then click .

Figure 5-13 Configure device

No.	Name	IP	Device Type	Device Model	Port	Channel Number	Online Status	SN	Operation
1			Access Standalone	ASI8214Y-V3	37777	0/0/2/2	Online		  

Step 2 Configure device parameters.

- Time settings

Figure 5-14 Modify IP of devices in batches

Time Settings
✕

Date Format

Time Format

Time Zone

System Time Sync PC

DST Enable

Start Time

End Time

NTP

NTP Server

Port (1-65535)

Update Period Min(0-65535)

Save
Cancel

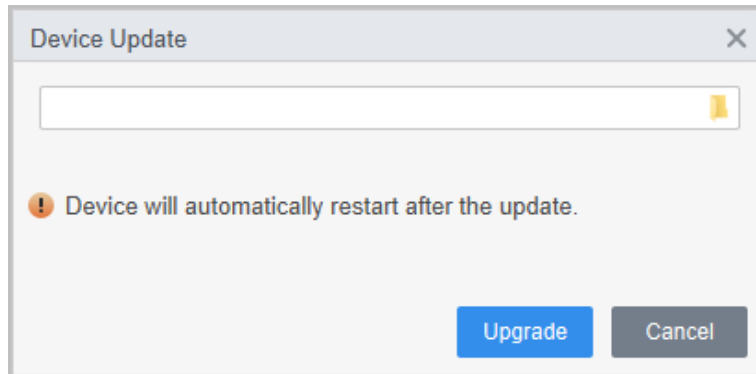
Table 5-3 Parameters of time setting

Parameter	Description
Date Format	Set the date display format.
Time Format	Set the time display format.
Time Zone	Set the time zone.
System Time	Set the system time. You can also click Sync PC to set the system time as the same as PC time.
DST	Enable DST as needed. Set the DST type, start time and end time.
NTP	Enable NTP server if you need to sync system time as the same as NTP time. Enter the server address, port and update period.

- Firmware upgrade

Select the bin for update, and then operate according to instructions.

Figure 5-15 Firmware upgrade



- Restart
Click to restart device.
- Local alarm linkage
Click to configure the alarm linkage information, and then click **Save**.

Figure 5-16 Local alarm linkage

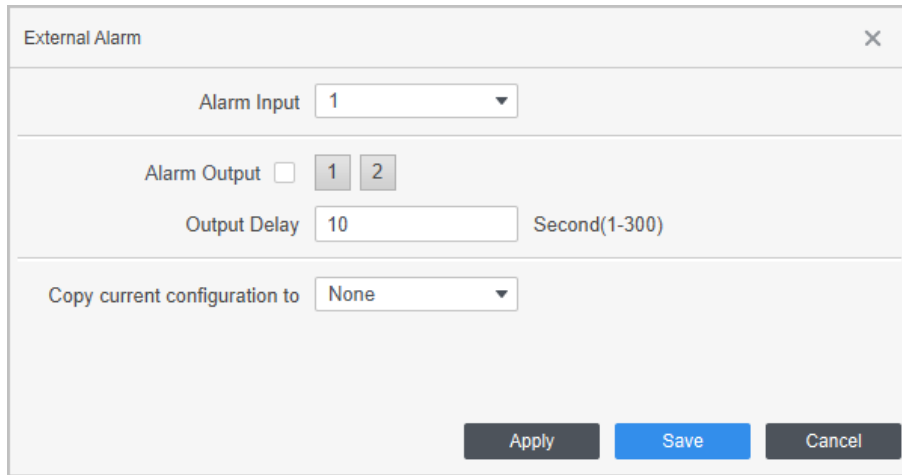


Table 5-4 Parameters of external alarm

Parameter	Description
Alarm input	Select an alarm input channel number as needed.
Alarm output	Select an alarm output channel number as needed.
Output delay	Alarms will be output after the duration you have set.
Copy current configuration to	You can copy the current configuration to other devices as needed.

- Extract personnel information
Select the needed personnel and extract personnel information from device to the computer.
- Extract attendance record
Set the time period and extract attendance records manually.



Make sure that you have set access controllers as attendance points before extraction. For details of attendance point setting, see *SmartPSS Lite_Attendance Solution_User's Manual*.

Related Operations

For some devices, you can click  to jump to the device web client.

5.4.5 Alarm Configuration

Devices whose models are ASC2202B-D can be connected to external alarm devices. Go to the **External Alarm** page, and then configure the parameters.

Figure 5-17 External alarm

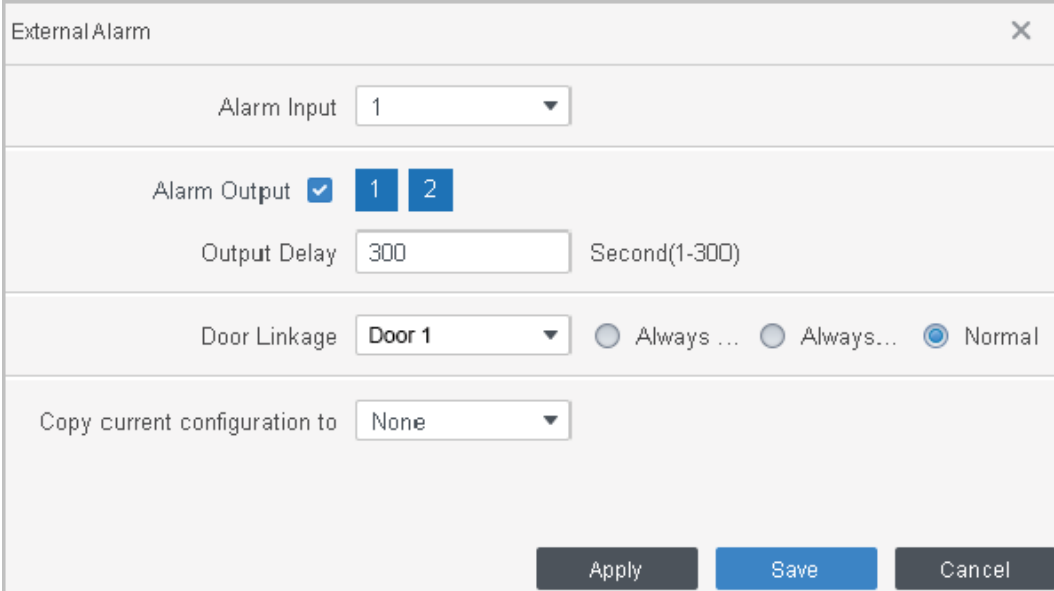


Table 5-5 Parameters of time setting

Parameter	Description
Alarm Input	Select an alarm input channel number as needed.
Alarm Output	Select an alarm output channel number as needed.
Output Delay	Alarms will be delayed after the defined duration.
Copy current configuration to	You can copy the current configurations to other devices as needed.

6 Log Query

You can query for alarm events, client logs and device logs.

Step 1 Select **Log Query**.

Step 2 Select log type and log time, and then enter key words if needed.

Step 3 Click **Search**.

Step 4 (Optional) Click **Export** to export logs to local device.

Figure 6-1 Query for logs

No.	Time	Username	Event Type	Device Name	Channel Name	Remarks
1	2020-04-30 19:04:03	2-2	User Login			
2	2020-04-30 19:03:31	2-2	User Logout			
3	2020-04-30 18:30:22	2-2	User Login			
4	2020-04-30 18:30:08	1	User Login			
5	2020-04-30 18:29:43	admin2-1	User Login			
6	2020-04-30 18:29:22	admin	User Logout			
7	2020-04-30 18:22:51	admin	User Login			
8	2020-04-30 18:21:47	admin	User Logout			
9	2020-04-30 11:52:21	admin	User Login			
10	2020-04-30 11:44:03	admin	User Logout			
11	2020-04-30 11:33:08	admin	User Login			
12	2020-04-30 09:49:09	admin	User Logout			
13	2020-04-30 09:44:42	admin	User Login			

7 Event Configuration

By configuring event, you can set event linkages, such as alarm sound, email sending and alarm linkages.

- Configure external alarm linkages connected to the access controllers (such as smoke alarm), cameras and storage devices.
- Different devices support different alarm linkages, and the actual page might vary depending on different devices.
- Configure linkages of access controller events.
 - ◇ Alarm event
 - ◇ Abnormal event
 - ◇ Normal event

Step 1 Click **Event Config** on the home page.

Step 2 Select the needed device, and then select **Alarm Event > Intrusion Event**.

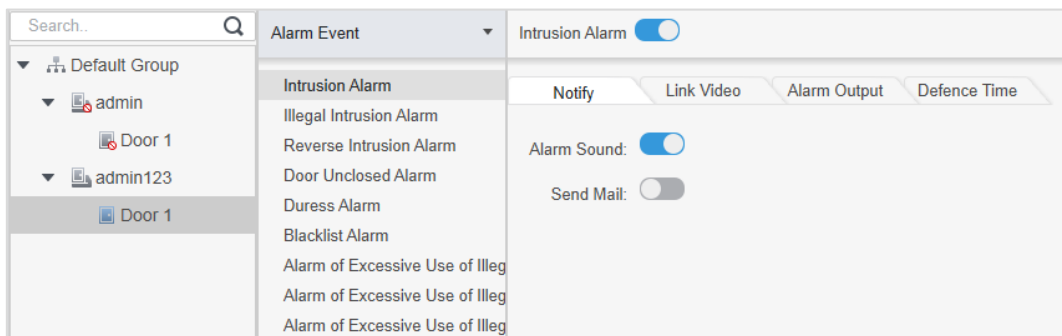
Step 3 Click on the right side of **Intrusion Alarm** to enable the function.

Step 4 Configure linkage actions of the intrusion alarm.

- Enable alarm sound.
- Send alarm email.
 - 1) Enable **Send Mail** and confirm to set SMTP, you will automatically go to the **System Settings** page.
 - 2) Configure SMTP parameters, such as server address, port number, and encryption mode.

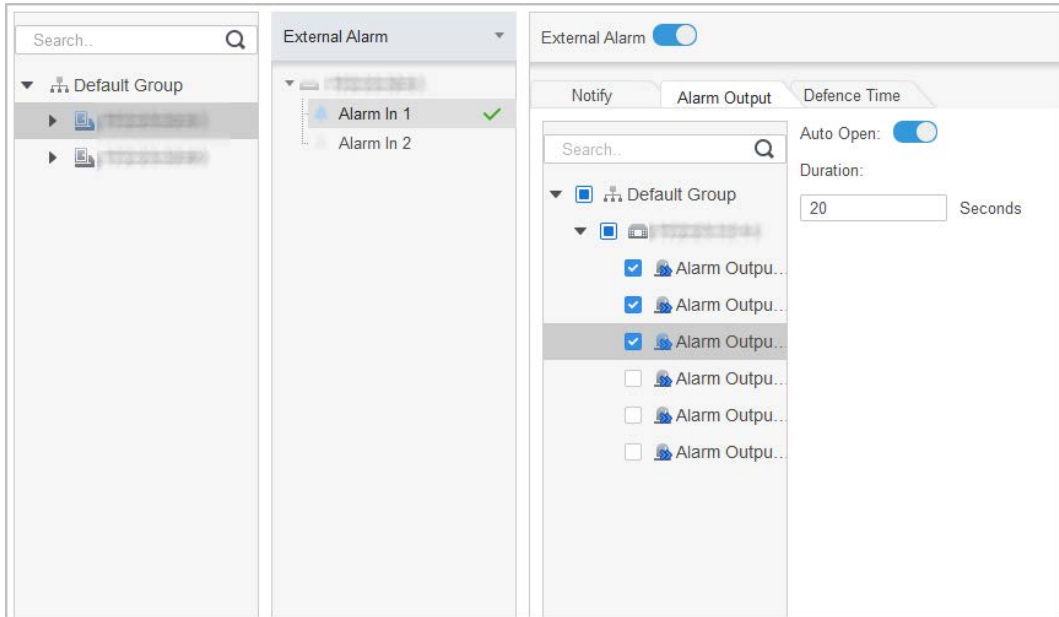
When intrusion event occurs, the system automatically sends alarm emails to the specified receiver.

Figure 7-1 Configure intrusion alarm



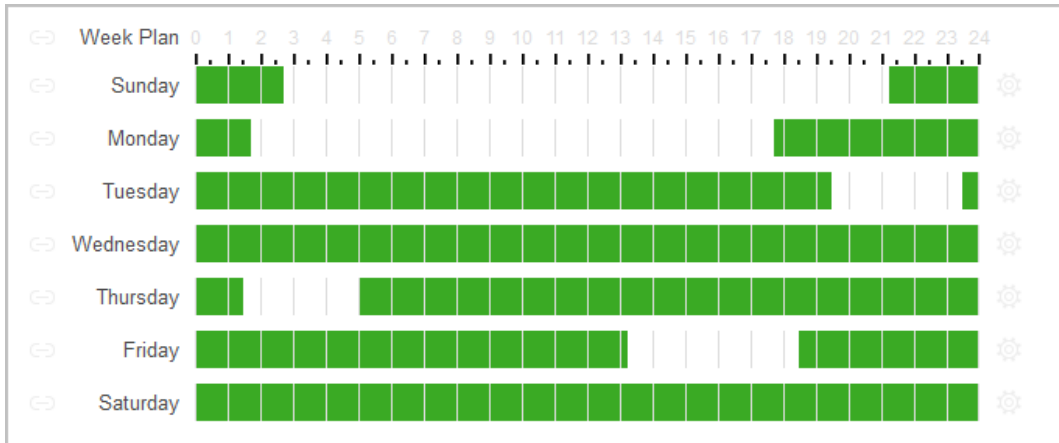
- Configure linkage video.
 - Click **Link Video**, select video layout as needed. Once intrusion alarm is triggered, videos will be automatically displayed on the page.
- Configure alarm I/O.
 1. Click the **Alarm Output** tab.
 2. Select the device which supports alarm input, select the alarm input channel, and then enable **External Alarm**.
 3. Select the device which supports alarm output, then select alarm-out page.
 4. Enable **Auto Open** for the alarm linkage.
 5. Set the duration.

Figure 7-2 Configure alarm linkage



- Set arming periods. There are two methods.
 - ◇ Method 1: Move the cursor to set time periods. When the cursor turns to a pencil, click to add periods; when the cursor turns to an eraser, click to minus periods. The periods in green area are armed.

Figure 7-3 Set arming periods (method 1)




- ◇ Method 2: Click  to set periods, and then click **OK**.


Figure 7-4 Set arming periods (method 2)

The screenshot shows a 'Time Editor' dialog box with a close button (X) in the top right corner. It contains six rows, each labeled 'Timezone 1' through 'Timezone 6'. Each row has two time input fields separated by a hyphen. The values are: Timezone 1 (0:00:00 - 2:45:00), Timezone 2 (11:30:00 - 14:15:00), Timezone 3 (21:15:00 - 23:59:59), Timezone 4 (0:00:00 - 0:00:00), Timezone 5 (0:00:00 - 0:00:00), and Timezone 6 (0:00:00 - 0:00:00). Below the timezones is a 'Check All' checkbox which is checked. Underneath is a horizontal line, followed by seven day selection options: Sun (checked), Mon, Tue, Wed, Thu, Fri, and Sat. At the bottom right are 'OK' and 'Cancel' buttons.

Step 5 (Optional) Click **Copy To**, select the access controller to be applied to, and then click **OK**.

Step 6 Click **Save**.

8 Event Center

You can view and process the real-time alarm events. Click the number  on the upper right corner of the page to enter the event center.

8.1 Page Introduction

Figure 8-1 Event center

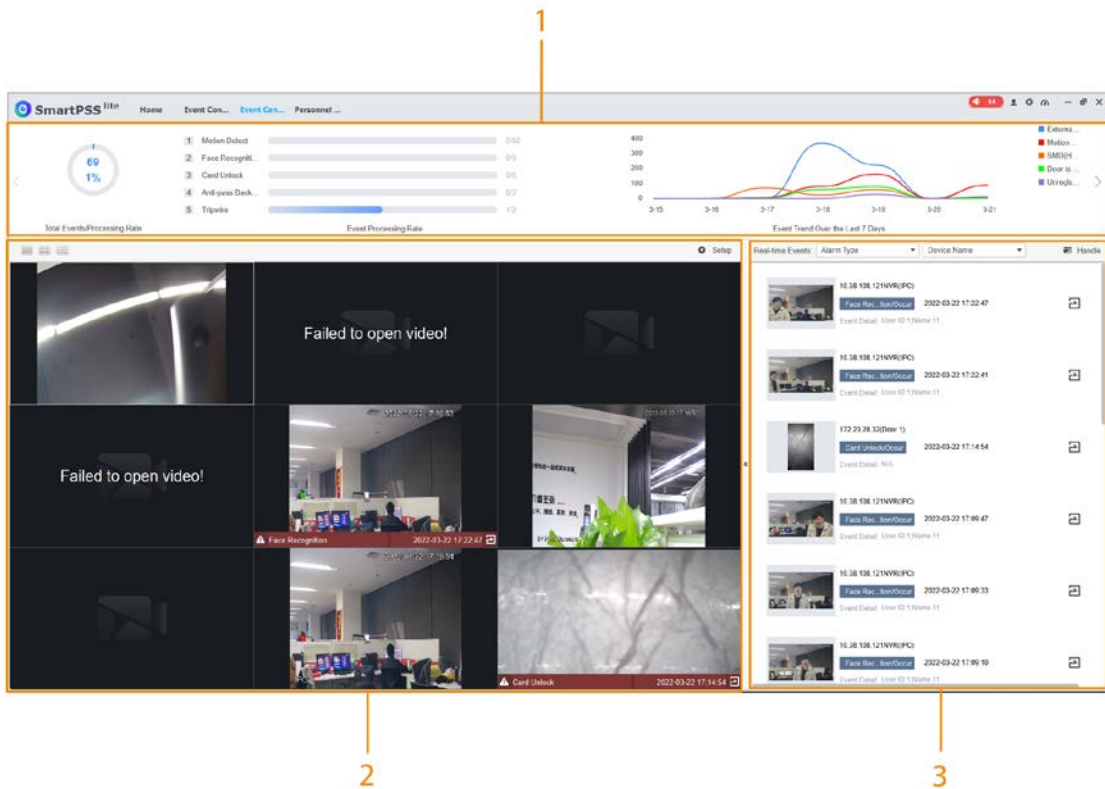




Table 8-1 Description of event center parameters


No.	Parameter	Description
1	Event statistics	<ul style="list-style-type: none"> • Total Events/Processing Rate: Display the pie chart of the total events and processing rate. Click the chart to view the information of unprocessed events. • Event Processing Rate: Display the processing rate of different event types in real time. • Event Trend Over the Last 7 Days: Display the graph of the top five event types in seven days (excluding today). Point to the graph to display the specific number of the alarm events. <p> Click  to display the details of each alarm event.</p>

No.	Parameter	Description
2	Live View Video	Preview the configured channel video. Click « to the preview page.
3	Real-time Events	View real-time alarm events. You can search event information according to alarm types and devices.

8.2 Configuring Live View Video

Configure live view video channels, and capture channel images, videos and video talks.

Procedure

Step 1 Click  to select the screen number on the **Event Center** page.



It only supports 1, 4, 9 screen splits.

Step 2 Right-click the screen, click **Stream Type**, and then select the video channel that you want to live view.

Step 3 Click **Setup**, and then select the configuration according to actual needs.

Figure 8-2 Setup

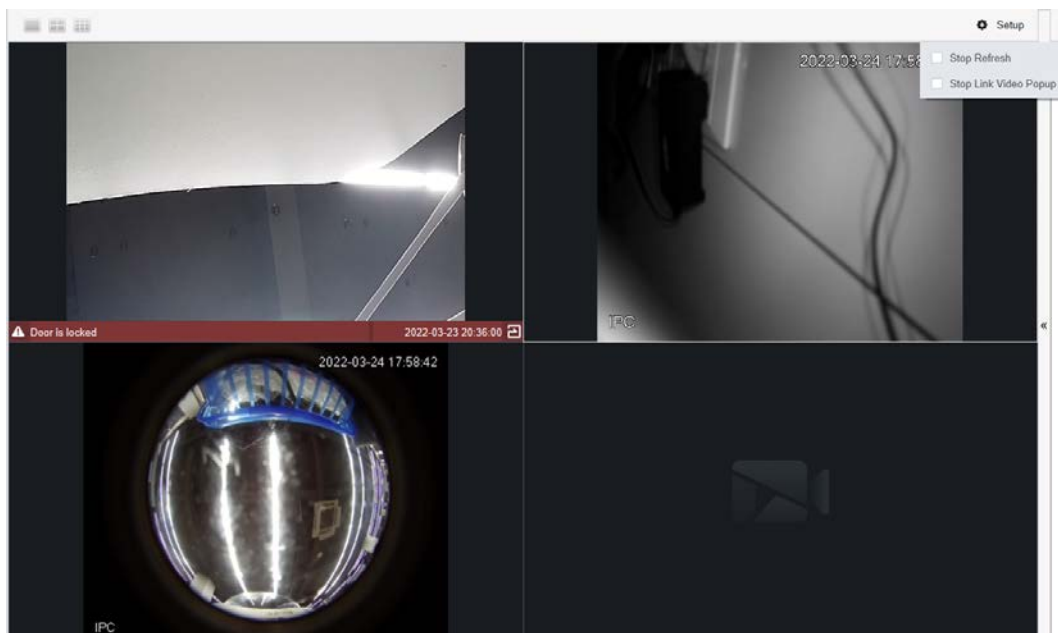


Table 8-2 Setup












Parameter	Description
Stop Refresh	Stop refreshing real-time alarm events.
Stop Link Video Popup	Stop popping up event linkage video.

Related Operations

Live view video operations.

Point to the screen, and then the shortcut icons will be displayed on the upper-right corner of the window.

Table 8-3 Description of live view operation parameters

Icon	Parameter	Description
	Local Record	Click the icon to record videos in the current screen window. Click the icon again to stop recording and save the video to the computer. The default save path is ".../Data/User/Record". You can change the storage path through  > System Config > Local Path > Record Path .
	Visitor Picture	Save the snapshot in the current video screen as an image on the computer (once at a time). The default save path is ".../Data/User/Picture/Capture". You can change the save path through  > System Config > Local Path > Pic Path .
	Audio	Click the icon to open or close the audio of the camera.
	Audio Talk	Click the icon to open or close the audio talk of the corresponding camera.
	Instant Replay	Click the icon to open or close instant replay function. You can configure the replay time through  > System Config > Basic Setting on the upper-right corner of the page.  You need to have videos on the device before you enable instant replay function.
	Zoom In	Click the icon, and then scroll the mouse wheel to zoom in or out the screen.
	Close Video	Click the icon to close the video.