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Wardmay[®]

IMS lite
Client Software

User Manual

V1.0.0

Precautions for use

*IMS lite client is a small and sophisticated monitoring software that integrates video preview, voice intercom, PTZ control, remote playback, local recording, lot cloud platform login, etc., stand-alone direct connection to IPC and IVR and other functions as a whole.

*IMS lite client is for connecting multiple devices of different types or models (such as IPC, IVR, etc.). This manual only introduces the client software operation of the professional video preview system. For the function settings of specific devices, please read related product manual.

*This manual is provided for users who use the IMS lite client. You should have the basic operating knowledge and experience of related equipment (such as IPC, NVR, etc.).

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Chapter 1 Function introduction

1.1 Main function features

- Support local and lot cloud platform login function
- Support to display different operation interfaces according to local users and lot cloud platform users
- Support the display function of the device list
- Support device grouping function
- Support the function of modifying the device name
- Support the maintenance and management of the online status of the device
- Support local login to remotely configure the device
- Support the multi-screen and full-screen display control function of the video window
- Support tour function
- Support the manual recording function of the selected channel
- Support open-flow window exchange position function
- Support lock screen function
- Support PTZ control function
- Support video window sub stream and main stream switching function
- Support real-time audio switch control of the video preview window
- Support voice intercom function
- Support picture capture function
- Support local recording function
- Support equipment (local equipment, remote equipment) recording (including local and remote) query playback and recording download function
- Support direct playback function of query video
- Support the display and maintenance of the recording status in each video window
- Support IVR play sound, playback video download function according to time
- Support login IMS lite, if the device list is empty, it will automatically search and add the device and automatically open screen function
- Support IP modification and batch modification IP functions
- Support batch upgrade function
- Support download and upload configuration file function

Chapter 2 Operating environment requirements

2.1 Hardware environment

Central Processing Unit (CPU): Intel Core i3 2.0G (inclusive) and above

Main memory: DDRIII 4G (inclusive) and above

Network card: 100/1000M adaptive

Hard disk: 250G (inclusive) or more

Graphics card: Support OpenGL 2.0 (inclusive) and above

Display: 17-inch (inclusive) or above color LCD or CRT display, with a resolution of 1024×768 or above

Note: If there are many channels for real-time preview and recording, and to achieve good results, the CPU, memory, and graphics card should be adjusted according to the actual situation.

2.2 Software environment

Install IMS lite client software (IMS lite for abbreviation). IMS lite supports running under Windows 7/8/10 32bit/64bit operating system.

Note: Not supported on Windows XP system

Chapter 3 Installation and uninstallation

3.1 Installation steps

Double-click to run "IMS lite(V1.0.0).exe". Figure 3-1 shows the language selection interface that appears in the Chinese version of the operating system. The software is available in simplified Chinese and English by default, and the language of installation can be selected as English. The specific operations are as follows:

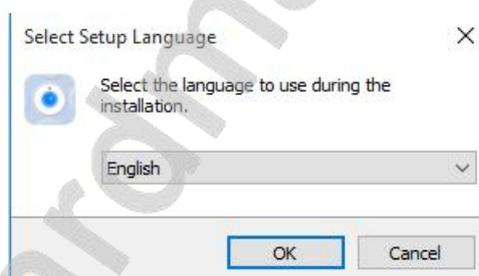


Figure 3-1

Step 1: Select the installation language "Simplified Chinese" and the installation interface appears, select the installation path, as shown in Figure (3-2);

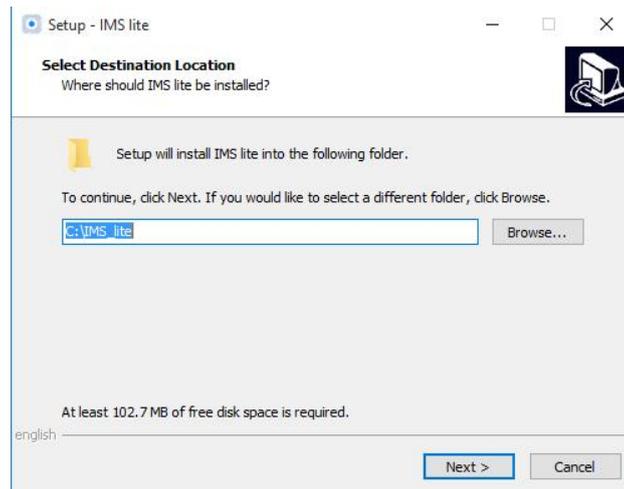


Figure 3-2

Step 2: Click "Next" to check whether to create desktop shortcuts and quick run bar shortcuts, as shown in Figure (3-3);

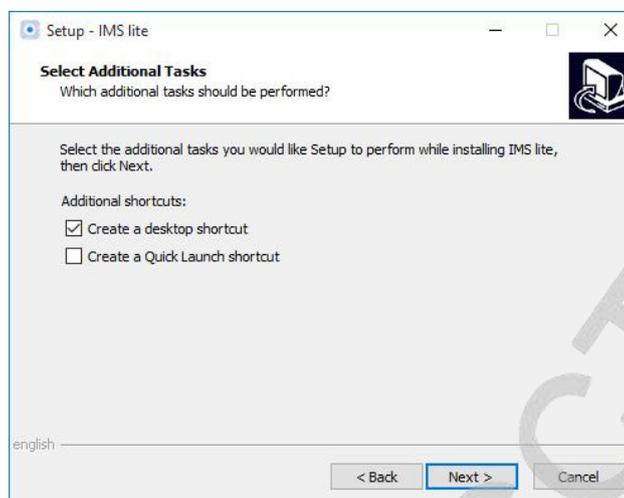


Figure 3-3

Step 3: Click "Next" to complete the installation, as shown in Figure (3-4);

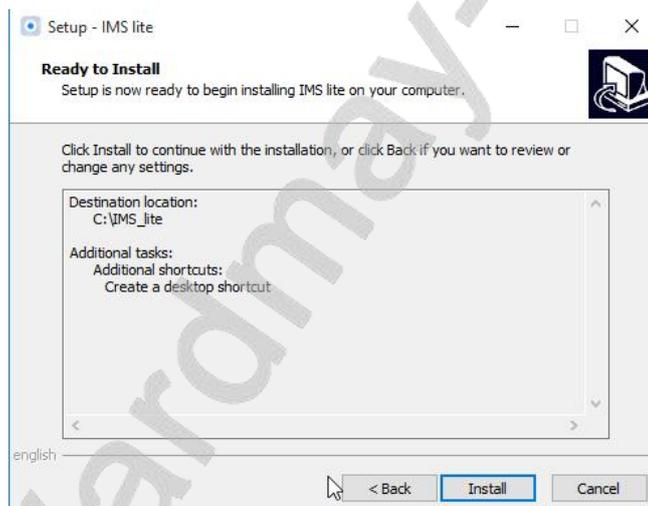


Figure 3-4

Step 4: Click "Install", the installation is complete, as shown in Figure (3-5), check whether

to run IMS lite, click "Finish" to complete the installation.



Figure 3-5

3.2 Uninstallation steps

In the control panel-add/remove programs or click "start"->"programs"->"IMS lite"->"uninstall", the operation is as follows:

Step 1: Click "Uninstall", the uninstall interface appears, as shown in Figure (3-6);

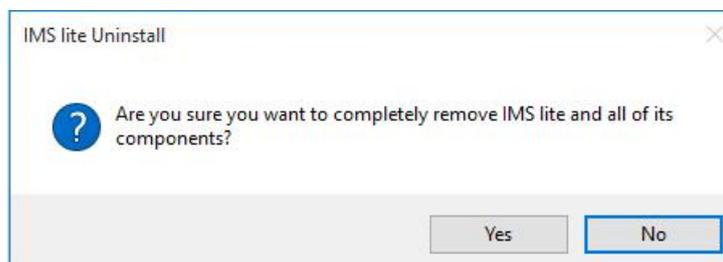


Figure 3-6

Step 2: Click "Yes" to complete the uninstallation, as shown in Figure (3-7);

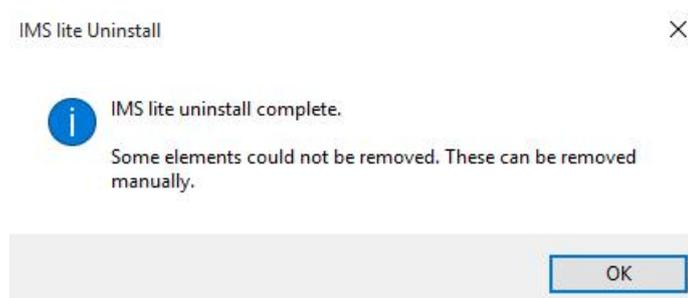


Figure 3-7

Step 3: Click "OK" to uninstall.

Chapter 4 Login and main interface

4.1 Login

Double-click IMS lite () on the desktop to open the IMS lite client login box, and the following picture appears:

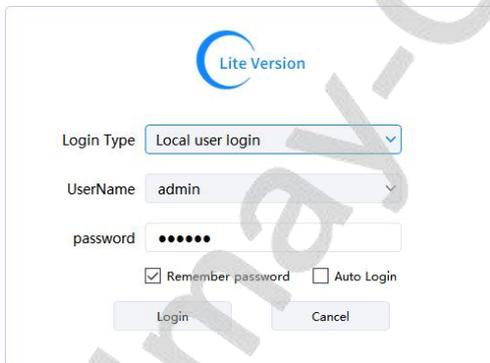


Figure -1 login box

The IMS lite client has two login methods: "Local user login" and "Login to the cloud platform", which can be selected through the login type drop-down box.

Local user login: the default account **admin** and password **123456** are used for initial login. Tick "Remember Password" to save the password. After the login is successful, you do not need to enter the password again when you login next time. Click "Auto Login" will automatically save the password, and the login dialog box will no longer pop up next time you run IMS lite to automatically login.

Login IMS lite, when the device list is empty, it will automatically search for added devices and automatically play the first 9 devices.

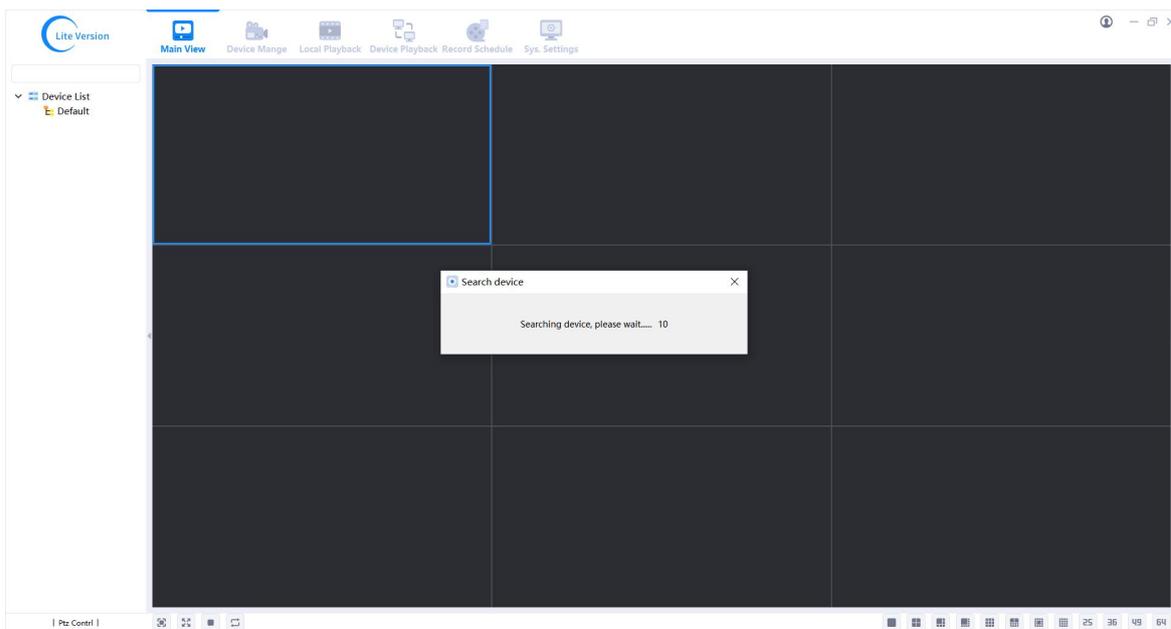


Figure 4-2 Local login main interface

Login cloud platform: the account and password are those registered in the mobile APP. After logging in cloud platform, only the devices added under the account can be automatically obtained,

and functions such as preview, recording, and playback can be realized. The management device cannot be configured and the local device cannot be added and managed.

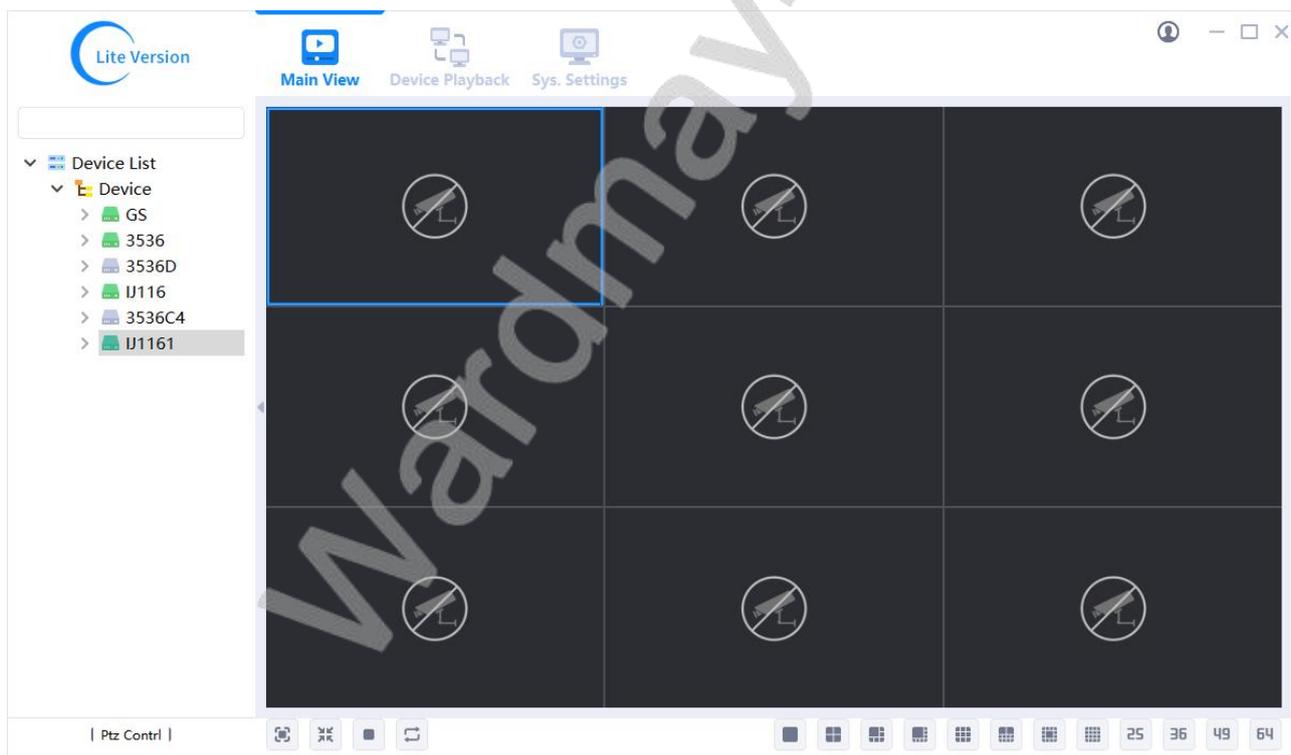


Figure 4-3 Login cloud platform main interface

4.2 Main interface

1) Functional module:

Video preview, device management, local playback, remote playback, recording schedule, system setting, detailed introduction, please refer to the following chapters.

2) Video window area:

Perform specific applications or display operations corresponding to the operations selected in the left area device list and the upper area toolbar. For details, please refer to Chapter 5.

3) PTZ control area:

For details on the operation of the pan/tilt, please refer to Chapter 5>> Chapter 5.3.

4) Device list area:

This area mainly provides operations on the device list. For details, please refer to Chapter 5>> Chapter 5.2.

5) Video preview function bar:

The module function can switch the stream of the video window, capture pictures, voice intercom, sound switch, manual recording, tour, full screen/standard, lock screen, close and close all, start all recording operations, etc. ; also can perform operations on the screen Full screen, single window, 4 windows, 6 windows, 8 windows, 9 windows, 10 windows, 13 windows, 16 windows, 25 windows, 36 windows, 49 windows, 64 windows display.

6) Playback function:

Local playback and remote playback can be performed. Chapter 7 and Chapter 8 are introduced in detail.

7) Video schedule:

You can set the local recording strategy, turn on and off the recording and other functions. Chapter 9 is introduced in detail.

8) Setting:

You can set whether to automatically login, run automatically, and configure the system when the software is turned on. Chapter 10 is introduced in detail.

Chapter 5 Video preview

5.1 Video preview

5.1.1 Play real-time monitoring

- 1) In the monitoring interface (Figure 5-1), select a device in the device list on the left and drag it to a window in the video window area. The window will display the real-time video stream of the device.
- 2) In the monitoring interface (Figure 5-1), double-click a device in the device list on the left to automatically search for the first free window to play the device video.
- 3) In the monitoring interface (Figure 5-1), select the device group name in the device list on the left, right-click the mouse, a drop-down window appears, click "Preview Full", the system will automatically start playing the group online from the first window device video stream.

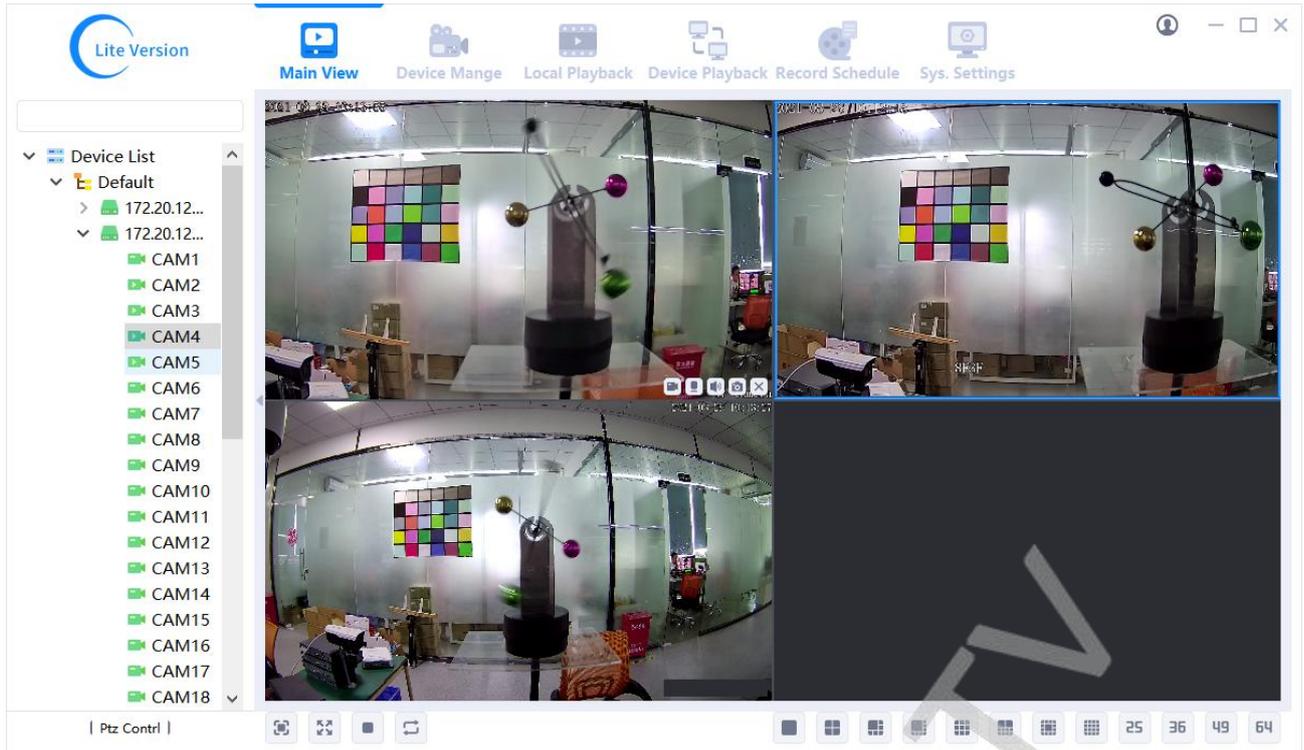


Figure 5-1

5.1.2 Stop playing real-time monitoring

1) In the monitoring interface (Figure 5-2), the mouse selects a window, five buttons will be displayed at the bottom right of the window, and the last button is the "Close" button. Click the "Close" button to close the currently selected window.

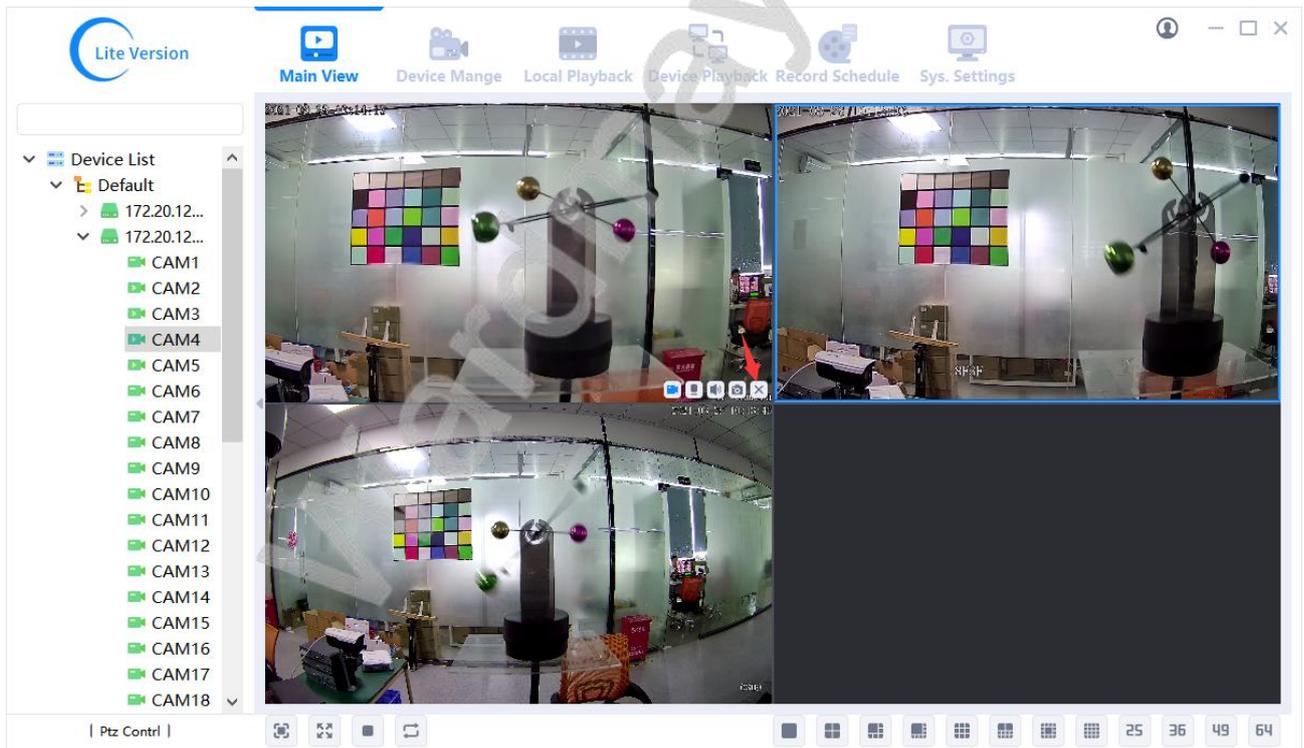


Figure 5-2

- 2) In the monitoring interface (Figure 5-3), select a window with the mouse and click the right mouse button to pop up a menu. The second option is "Stop Preview".
- 3) Click "Stop Preview" to close the currently selected window.

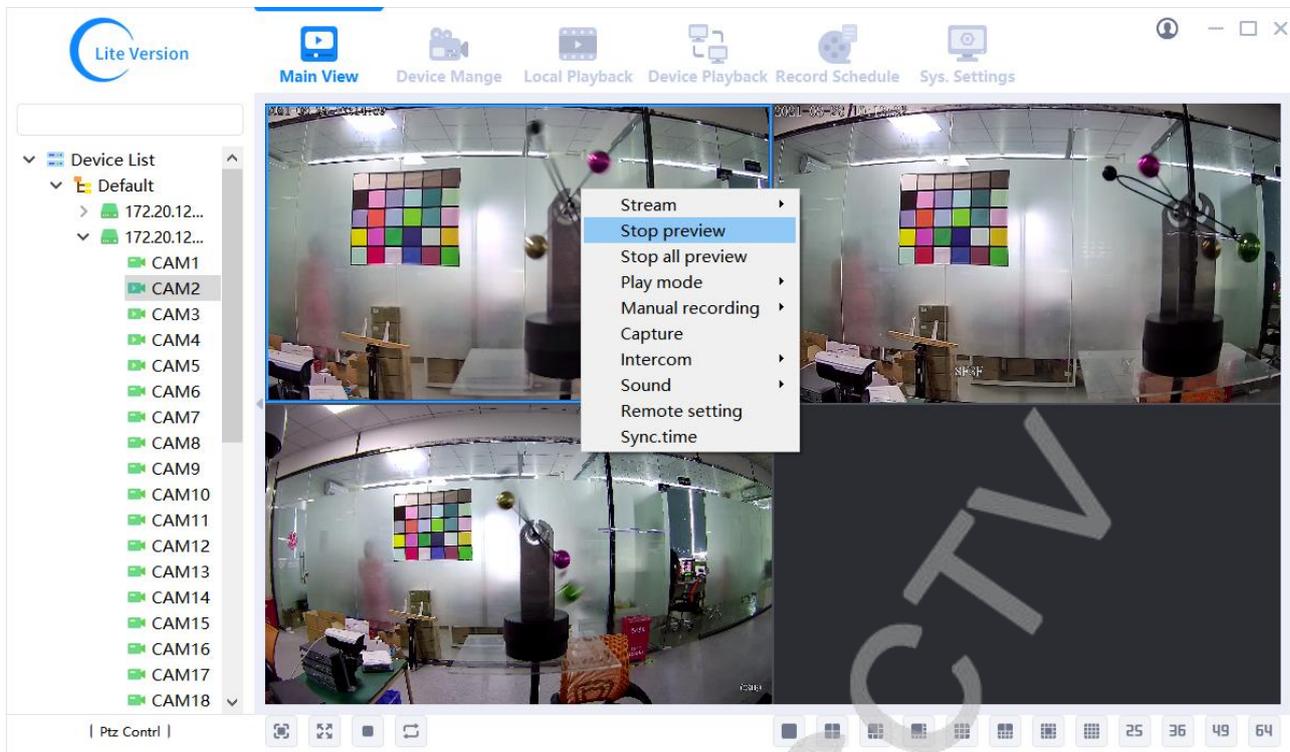


Figure 5-3

- 4) In the monitoring interface (Figure 5-4), there are four buttons at the bottom left of the video interface, the third button is "Stop All", click to close all the video windows that have been played.

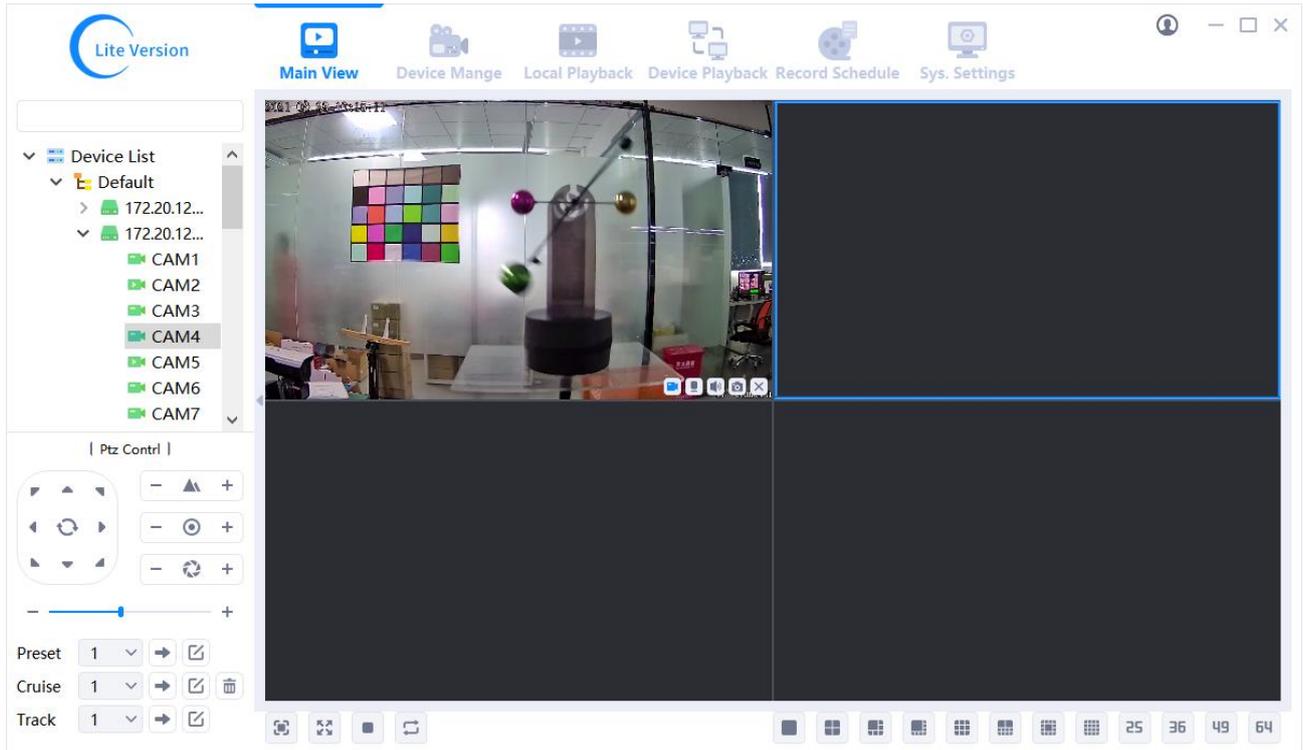


Figure 5-4

5.1.3 Full screen

Click the "Full Screen" button under different screens to display the current multi-screen or single screen in full screen. To exit the full screen display, press the "Esc" shortcut key.



Figure 5-5 Full screen

5.1.4 Full screen and standard mode display

You can click the "standard/full screen display" button in the video toolbar to achieve standard ratio display of all windows. The initial window is full screen display by default, IMS lite will automatically save and restore the full screen/standard display mode of the last operation by the user after logging out and logging in again.



Figure 5-6 Standard display switch



Figure 5-7 Full screen display switching

5.1.5 Screen split control

Click the corresponding split screen button in the video preview toolbar to switch to different monitoring screens, including 1 screen, 4 screens, 6 screens, 8 screens, 9 screens, 10 screens, 13 screens, 16 screens, 25 screens, 36 screens , 49 screens, 64 screens.



Figure 5-8 Screen split

5.1.6 Stream switching

In order to solve the problem of reducing the bit rate in order to meet the fluency of remote preview when the network situation is not good, without affecting the dual stream technology proposed by local recording, that is, after one video enters the NVR, the NVR can encode and provide two streams, the main stream and sub stream, the resolution of the main stream is higher than that of the sub stream, the main stream is used for recording, and the sub stream is used for network transmission. This is called dual stream technology. The purpose is to solve the local storage of surveillance video and the quality of the image transmitted over the network. The stream has single-split screen and four-split screen as the default main stream, and other multi-screen default sub stream.

- 1) Switch stream: select a window with the mouse, click the right mouse button, and a pop-up menu will appear. The first option is "Stream". The mouse stops on the "Stream" option, and a lower-level menu pops up. Optional main/sub stream, "✓" is marked as the current video stream.

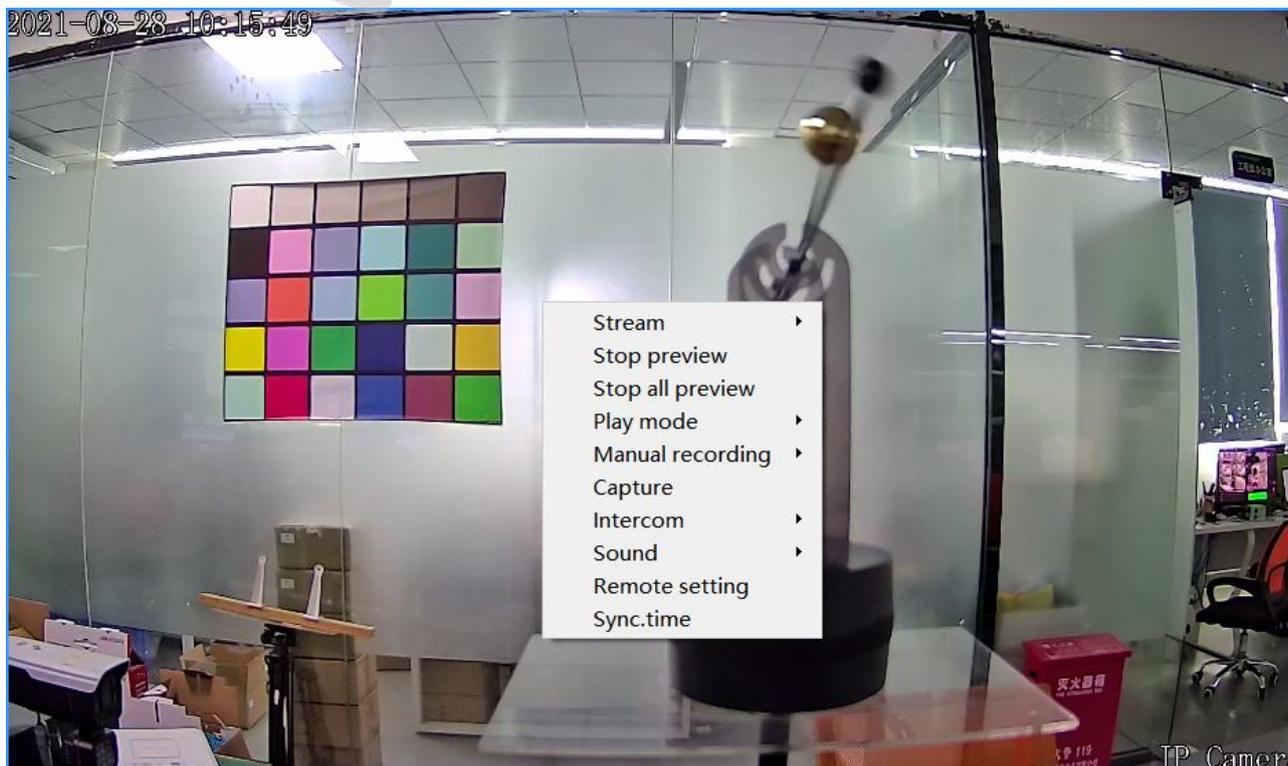


Figure 5-8 Stream switch

5.1.7 Manual recording

Manual recording can be achieved in two ways:

- ① Click the right mouse button in the video preview window to pop up a menu. Move the mouse to the "Manual Recording" column, pop up "Open" and "Close", click "Open" to manually record the video in the focus video window, and click "Close" to stop, as shown in Figure 5-10.
- ② Move the mouse to the video window, and a row of buttons will be displayed in the lower right corner of the window. The first button is "Record", click to manually record the video in the focus video window, click again to stop recording, as shown in Figure 5-11.

When the recording icon appears in the upper right corner of the video window, it means manual recording is in progress, as shown in Figure 5-12.

Manual recording of a single file can only record up to 30 minutes, and the size does not exceed 1GB. After 30 minutes or the size exceeds 1GB, the system will automatically cut off the current recording file and start a new recording file. The default storage path of local video is in the Video directory under the program installation path. If you want to change the storage path of video files, please refer to Chapter 10.7.

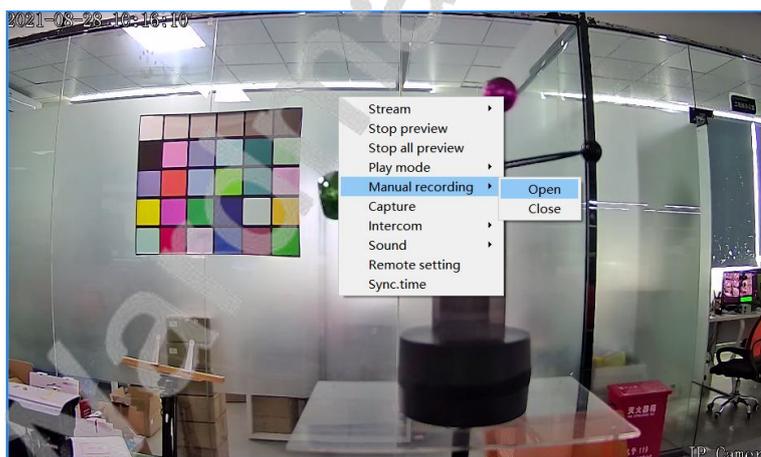


Figure 5-10 Manual recording



Figure 5-11 Manual recording



Figure 5-12 Manual recording

5.1.8 Capture

Capture can be achieved in two ways:

- ① Click the right mouse button in the video preview window to pop up a menu. Click "Capture" with the mouse to capture the video in the focus video window, as shown in Figure 5-13
- ② Move the mouse to the video window, and a row of buttons will be displayed in the lower right corner of the window. The fourth button is "Capture", click to realize the capture, as shown in Figure 5-14.

After the capture is successful, it will automatically prompt the image save path. The default storage path of the captured pictures is in the Picture directory under the IMS lite installation file. To change the storage path of the captured pictures, please refer to Chapter 10.7 Path Configuration.

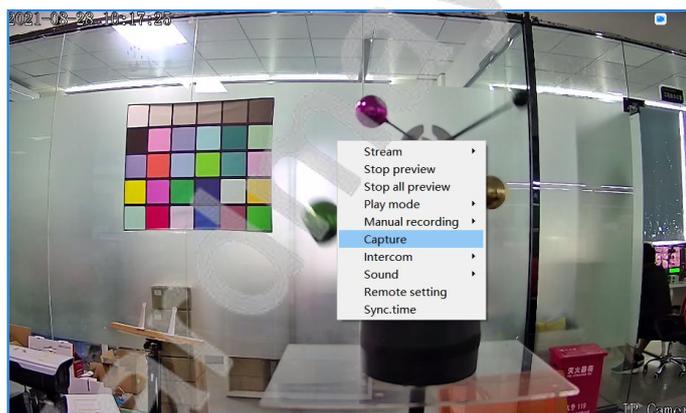


Figure 5-13 Capture



Figure 5-14 Capture

5.1.9 Voice intercom

Voice intercom can be opened in two ways:

- ① Click the right mouse button in the video preview window to pop up a menu. Move the mouse to the "Voice Intercom" column, and "Open" and "Close" will pop up. Click "Open" to perform real-time two-way voice intercom with the video in the focus video window. Click "Close" to stop it, such as Figure 5-15.
- ② Move the mouse to the video window, and a row of buttons will be displayed in the lower right corner of the window. The second button is "Intercom", click it to perform real-time two-way voice intercom with the video in the focus video window, click again to stop the intercom, as shown in Figure 5-16.

When the intercom icon appears in the upper right corner of the video window, it means that the intercom is in progress, as shown in Figure 5-17.

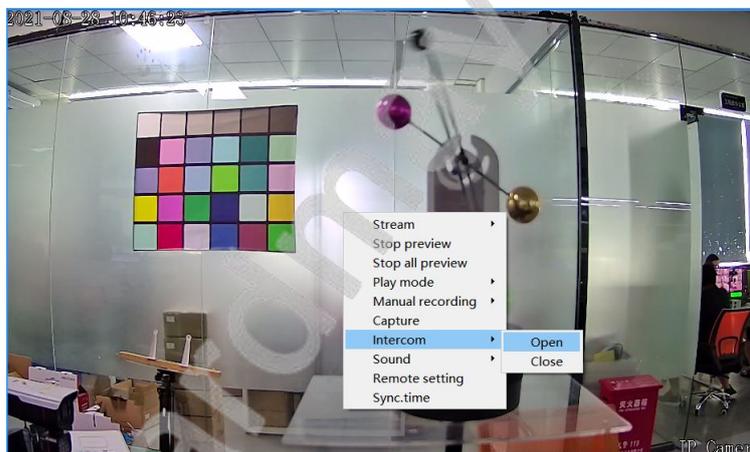


Figure 5-15 Intercom



Figure 5-16 Intercom



Figure 5-17 Intercom

5.1.10 Sound

The voice can be turned on in two ways:

- ① Click the right mouse button in the video preview window to pop up a menu. Move the mouse to the "Sound" column, and "Open" and "Close" will pop up. Click "Open" to open the audio of the focused video window, and click "Close" to close it, as shown in Figure 5-18.
- ② Move the mouse to the video window, and a row of buttons will be displayed in the lower right corner of the window. The third button is "Sound", click to open the audio of the focused video window, click again to close the sound, as shown in Figure 5-19.

When the sound icon appears in the upper right corner of the video window, it means that the audio has been turned on, as shown in Figure 5-20.

Click the "Sound" button in the video preview toolbar to turn on or off the audio of the focused video stream monitoring window. When the sound is on, when the user switches the focus window, the audio will also switch with the focus window. If the current device is performing a "sound" operation, the status bar under the playback window will also be displayed accordingly.

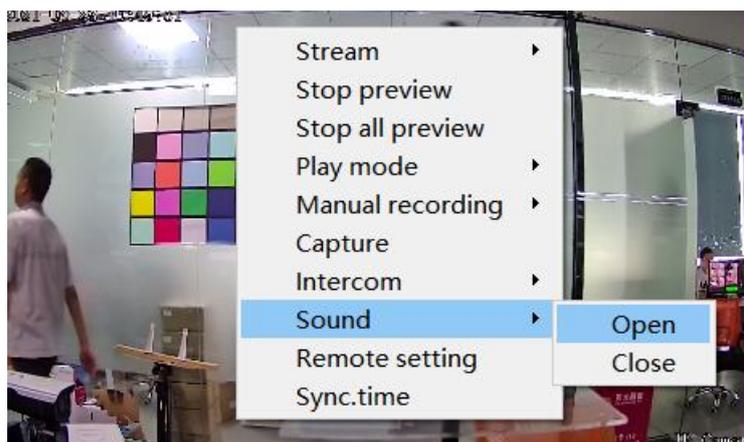


Figure 5-18 Sound



Figure 5-19 Sound



Figure 5-20 Sound

5.1.11 Tour

Click the "Start tour" button in the video tool bar. At this time, it displays "In tour..." and the window enters the tour state. If you want to stop the tour, just click the "Tour" button or the "Stop" button again, and the window will play the real-time video stream of the video that was played when the tour was stopped.

The tour interval can be configured in the system settings. For the specific configuration method and process, please refer to Chapter 10.6 Tour Interval Configuration.



Figure 5-21 Tour



Figure 5-22 Tour

5.2 Device list

5.2.1 Device status display

The device tree icon in the device list has multiple status colors. "Green" indicates that the device is online, "grey" indicates that the device is offline, and "red" indicates that the device is currently previewing and playing; the small square in the middle of the icon is bright red to indicate that The device is currently recording.

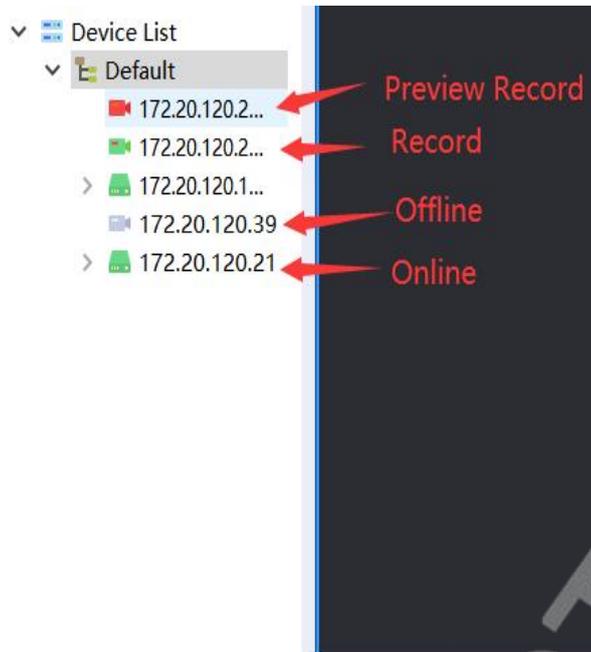


Figure 5-23 Device status

5.2.2 Grouping

① Add group

Click the right mouse button in the device list bar, and "Add Group" pops up, as shown in Figure 5-24. Click Add Group, and the Add Group window will pop up, as shown in Figure 5-25. Enter any group name and click Enter to complete the adding group, as shown in Figure 5-26.



Figure 5-24

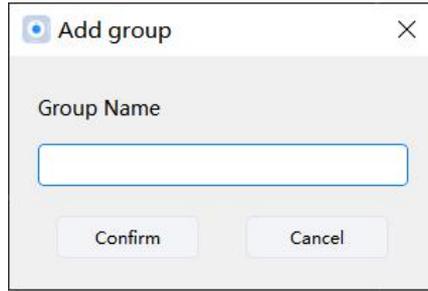


Figure 5-25

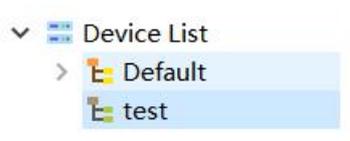


Figure 5-26

② Delete the group

The Default group cannot be deleted. Click to delete the Default group to delete all devices in the group by default.

Delete other groups: select the group you want to delete, click the right mouse button, and a menu will pop up, as shown in Figure 5-27. Click "Delete Group" to delete the group and all devices in the group.

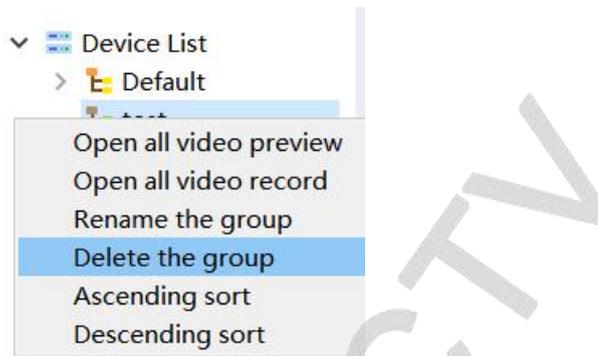


Figure 5-27

③ Modify the group name

Select the target group and click the right mouse button to pop up a menu, as shown in Figure 5-28. Click "Modify Group Name" to pop up a window for modifying group name, just enter the new group name.

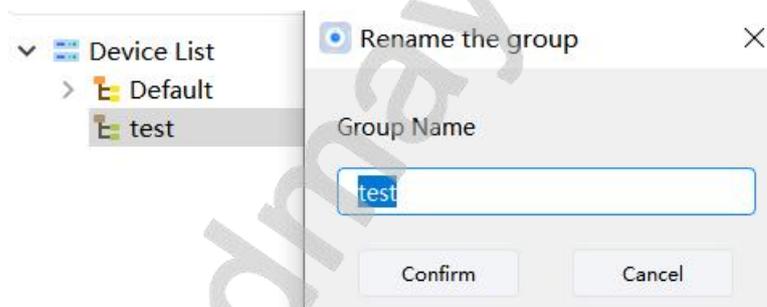


Figure 5-28

5.2.3 All video preview

Select the target group and click the right mouse button to pop up a menu, as shown in Figure 5-29. Click "Full Preview" to play the preview of the devices in the group. When the number of devices in the group is less than or equal to the number of preview images, the preview of all devices in the group is played. When the number of devices in the group is greater than the number of preview screens, the current preview screen will be filled and other devices will not play. After clicking " Open all video preview ", the button becomes "Preview all off", after clicking " Preview all off ", all previews are closed.

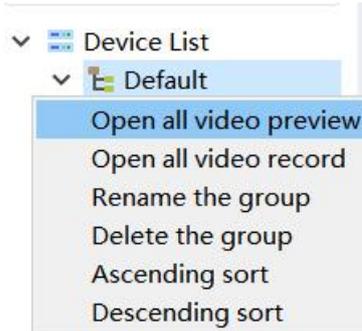


Figure 5-29

5.2.4 All video recording

Select the target group and click the right mouse button to pop up a menu, as shown in Figure 5-30. Click "Enable Recording", the devices in the group will start recording. By default, the devices in the group are added to the scheduled recording, and the configuration is the default configuration.

After clicking "Open all video record", the button becomes "Video record all off", after clicking "Video record all off", all devices in the group stop recording.

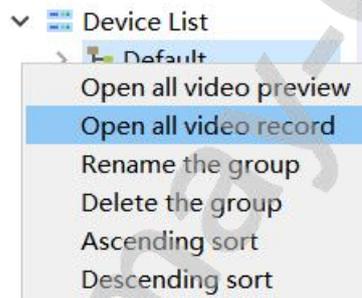


Figure 5-30

5.2.5 Modify device name

Select the device group and click the right mouse button to pop up a menu, as shown in Figure 5-31. Click "Modify Device Name", the window for changing device name will pop up, just enter the new device name.

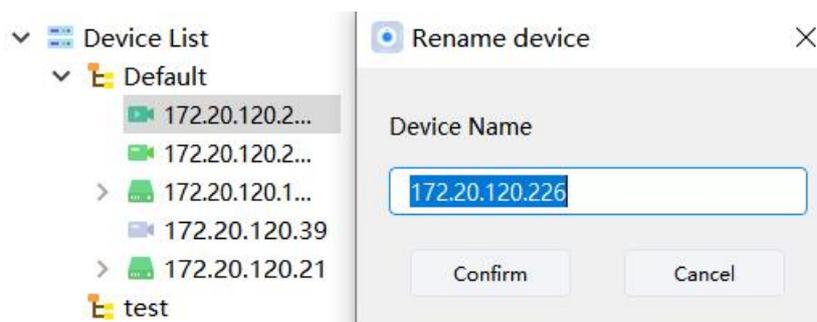


Figure 5-31

5.2.6 Delete device

Select the device and click the right mouse button to pop up a menu, as shown in Figure 5-31. Click "Delete Device" to delete the device.

5.2.7 Reboot device

Select the device and click the right mouse button to pop up a menu, as shown in Figure 5-31. Click "Restart Device" to restart the device.

5.2.8 Factory reset

Select the device and click the right mouse button to pop up a menu, as shown in Figure 5-31. Click "Factory Reset".

5.2.9 Remote configuration

The settings that can be made for local login include: network settings, audio and video settings, alarm settings, system settings, etc. Please refer to the detailed instructions of the device for the usage method.

The parameter setting in the remote configuration is the same as the parameter setting in the front-end device. After the relevant parameters are set in the front-end device, there is no need to repeat the settings for the remote configuration here.

Note: Cloud platform login does not support remote configuration of the device

5.3 PTZ control

5.3.1 PTZ control interface

Including up, down, left, right, iris adjustment, focus adjustment, zoom, preset point, cruise, trajectory, etc.; when the user performs up, down, left, right, iris, focus, zoom control, press

the corresponding function key Press and hold the left button to start, release the left button to stop. During direction control, you can choose to adjust the horizontal and vertical control speed; for the control rules of preset points, cruise, and trajectory, please refer to "PTZ advanced functions".

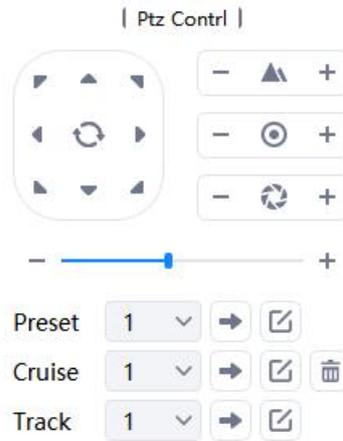


Figure 5-32 PTZ interface control

5.1.2 PTZ advanced function

1) Preset point:

① Preset point introduction: You can call and set the preset point.

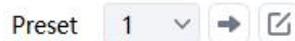


Figure 5-33

② Increase preset points

Preset point drop-down list can choose preset point number, through up, down, left, right, adjust aperture, adjust focus, zoom

Button to adjust the camera position. Click the button  to set the preset point successfully, as shown in the figure:

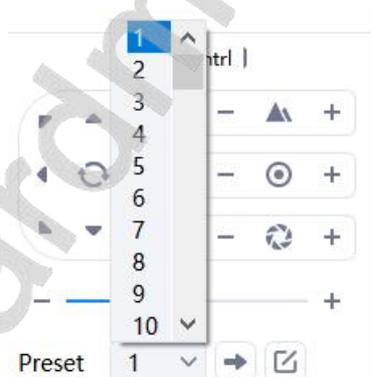


Figure 5-34

③ Call preset point

Select the target preset point, click the button , and the camera will rotate to the preset point position.

2) Cruise

① Cruise introduction: You can call, stop calling, edit, and delete cruise lines.

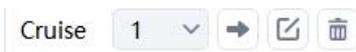


Figure 5-35

② Edit cruise: Click the button  to pop up the edit cruise interface, as shown in the figure. You can select the cruise line that needs to be edited, select the preset point and stay time, tour speed, and click the "Add" button to add a preset point to the route. One route can add multiple preset points. After calling, call the preset points one by one in the order of addition.

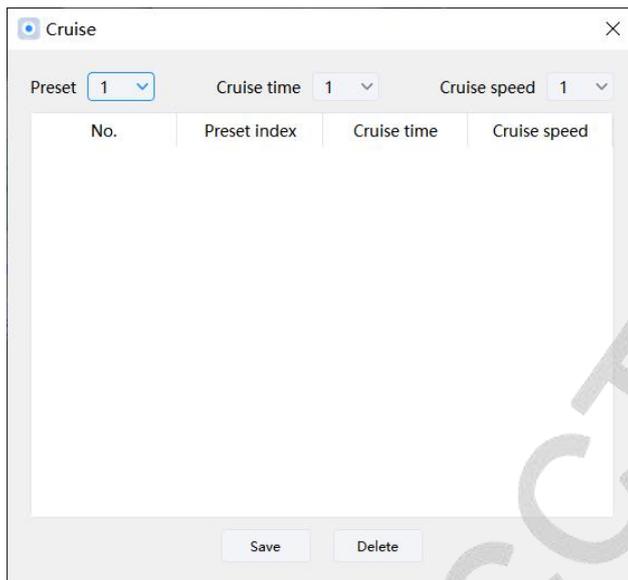


Figure 5-36

③ Call the cruise line

Select the target cruise line, click the button , and the camera will rotate according to the tour line.

④ Stop the cruise

Select the cruise line being called and click the button , the camera will stop calling the cruise line.

⑤ Delete cruise

Select the target cruise line and click the button  to clear the current cruise line.

Trajectory

①Trajectory introduction: You can call, stop calling, and edit the trajectory.



Figure 5-37

② Edit track: select the track line that needs to be edited, click the button , the button

 will become highlighted, enter the editing state, and start recording the track. Use the up, down, left, and right buttons  to adjust the iris, focus, and zoom buttons to adjust the camera position. After recording, click the button to stop editing and the setting is complete.

③ Call track

Select the target trajectory, click the button , and the camera will rotate according to the trajectory.

④ Stop calling track

Select the track line being called, click the button , and the camera will stop calling the track line.

Chapter 6 Device management

Login locally to enter the device management page to perform device search, add, delete, modify IP, restore the factory, and batch operations. Cloud platform login does not display the device management page.

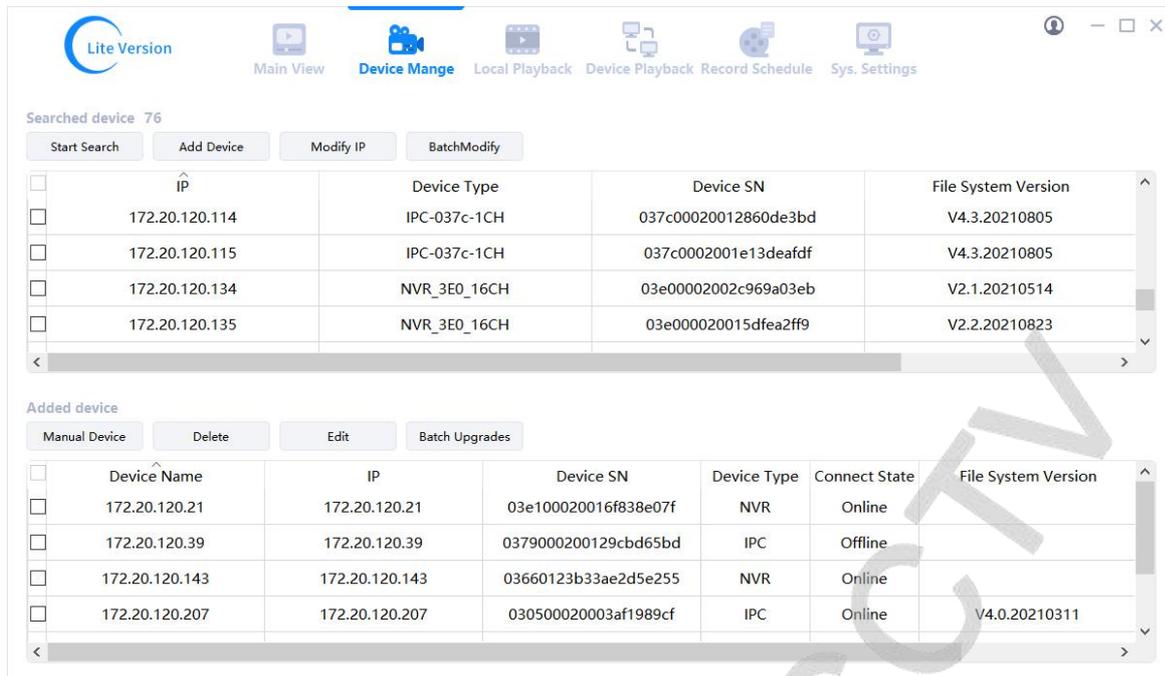


Figure 6-1 Configuration management main interface

6.1 Search device

6.1.1 Start search

Click "Start Search" to automatically search for all cameras connected in the network, and display

the search results. The automatic search device is limited to the search of devices in the LAN. The search function is not available for devices accessed from the public network.

Note: 1. The automatically searched devices can be sorted according to this field by clicking on the above field (for example: IP address, device type, etc.).

2. If you jump to other functional modules during the search, the search will be interrupted.

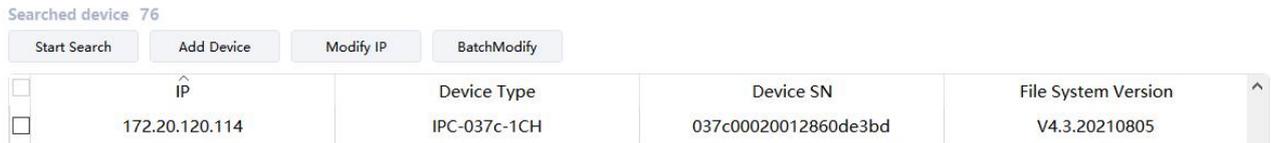


Figure 6-2 Search device display

6.1.2 Modify IP

After selecting the target device, click "Modify IP", and the modify IP page will pop up, as shown in Figure 6-3.



Figure 6-3 Modify IP page

6.1.3 Modify IP in batch

After selecting multiple devices, click "Modify IP in batches", and the page for modifying IP in batches pops up, as shown in Figure 6-4.

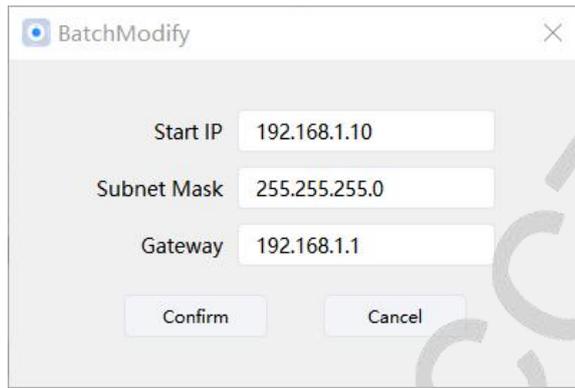


Figure 6-4 Batch modify IP pages

6.1.3 Modify IP in batch

After selecting multiple devices, click "Modify IP in batch", and the page for modifying IP in batches pops up, as shown in Figure 6-4.

6.2 Add device

6.2.1 Search to add

After searching for a device in the LAN, double-click the device or check the device and click "Add Device" to add it.

6.2.2 Add manually

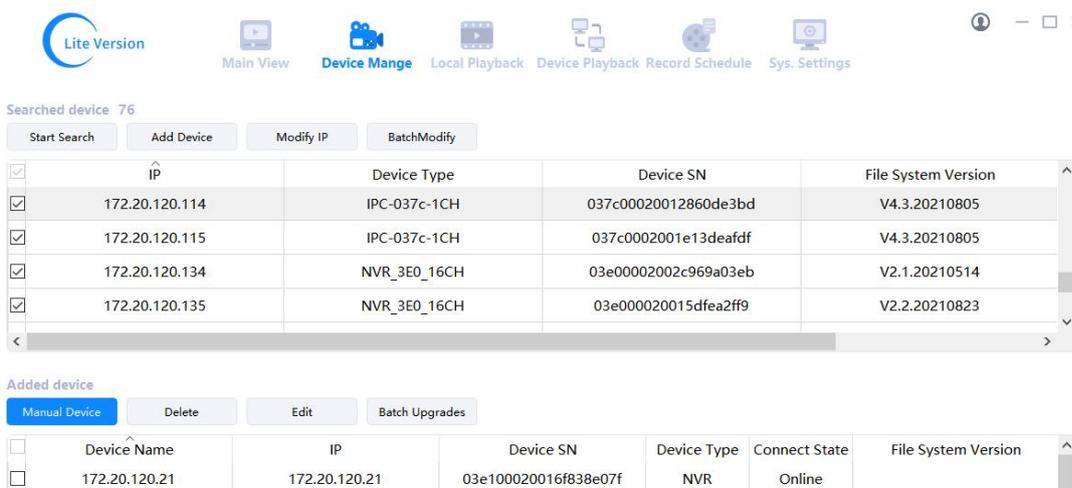


Figure 6-5 Manually add button

Click the "Manual Add" button, and the manual add page will pop up, as shown in Figure 6-5. In Figure 6-6, fill in the device name, device IP, port (default 80), group, device user name

and password. The login name and password are the user name and password of the front-end device. After setting the above parameters, click "OK" to complete the manual addition of new device.

Figure 6-6 Manually add page

6.3 Delete device

Added device

Manual Device Delete Edit Batch Upgrades

	Device Name	IP	Device SN	Device Type	Connect State	File System Version
<input type="checkbox"/>	172.20.120.21	172.20.120.21	03e100020016f838e07f	NVR	Online	
<input type="checkbox"/>	172.20.120.39	172.20.120.39	0379000200129cbd65bd	IPC	Offline	

Figure 6-7 Delete device

6.4 Edit device

Added device

Manual Device Delete Edit Batch Upgrades

	Device Name	IP	Device SN	Device Type	Connect State	File System Version
<input type="checkbox"/>	172.20.120.21	172.20.120.21	03e100020016f838e07f	NVR	Online	
<input type="checkbox"/>	172.20.120.39	172.20.120.39	0379000200129cbd65bd	IPC	Offline	
<input type="checkbox"/>	172.20.120.143	172.20.120.143	03660123b33ae2d5e255	NVR	Online	

Figure 6-8 Edit

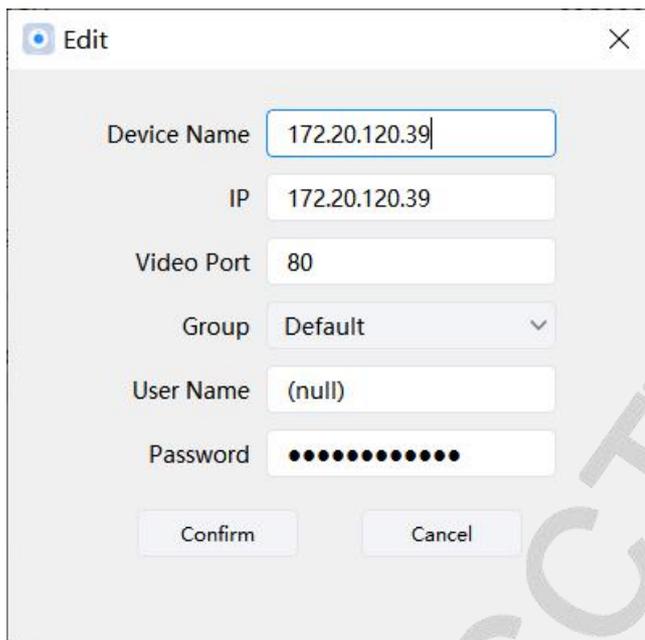


Figure 6-9 Edit device

6.5 Batch operation

Added device

Manual Device	Delete	Edit	Batch Upgrades
<input type="checkbox"/>			
Device Name	IP	Device SN	Device Type
172.20.120.21	172.20.120.21	03e100020016f638e07f	NVR
172.20.120.39	172.20.120.39	0379000200129cbd65bd	IPC
172.20.120.143	172.20.120.143	03660123b33ae2d5e255	NVR
			Connect State
			Online
			File System Version
			V4.3.20210731

Figure 6-10 Batch operation

6.5.1 Device upgrade

Figure 6-11 Device upgrade

6.5.2 Upload and download configuration files

After selecting the device, browse the directory where the configuration file is located, and click "Upload" to complete the upload operation.

After selecting the device, browse the local path of the configuration file to download and save, and click "Download" to complete the download operation.

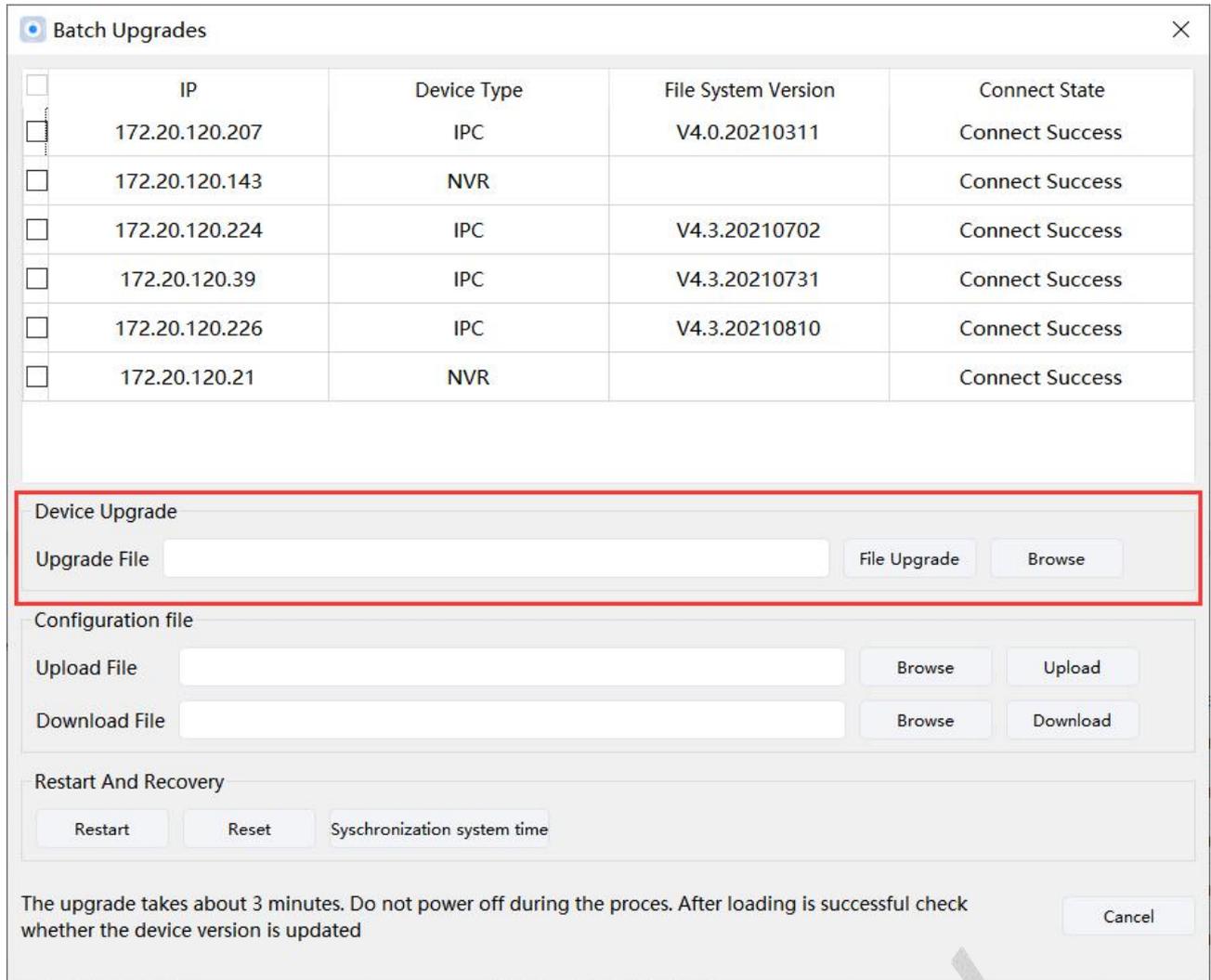


Figure 6-12 Upload and download configuration files

6.7 Firmware upgrade

After checking the device to be upgraded, click the "Browse" button, find the directory where the upgrade file is located on the local computer, select the firmware program corresponding to the device model, and click "Upgrade" to start the remote upgrade.

If the upgrade is unsuccessful, it is generally sufficient to repeat the upgrade once. If the upgrade is unsuccessful for multiple times, please power off and start the front-end device before performing the upgrade.

The upgrade takes about 3 minutes. Do not power off during the proces. After loading is successful check whether the device version is updated

Figure 6-13 Upgrade notes

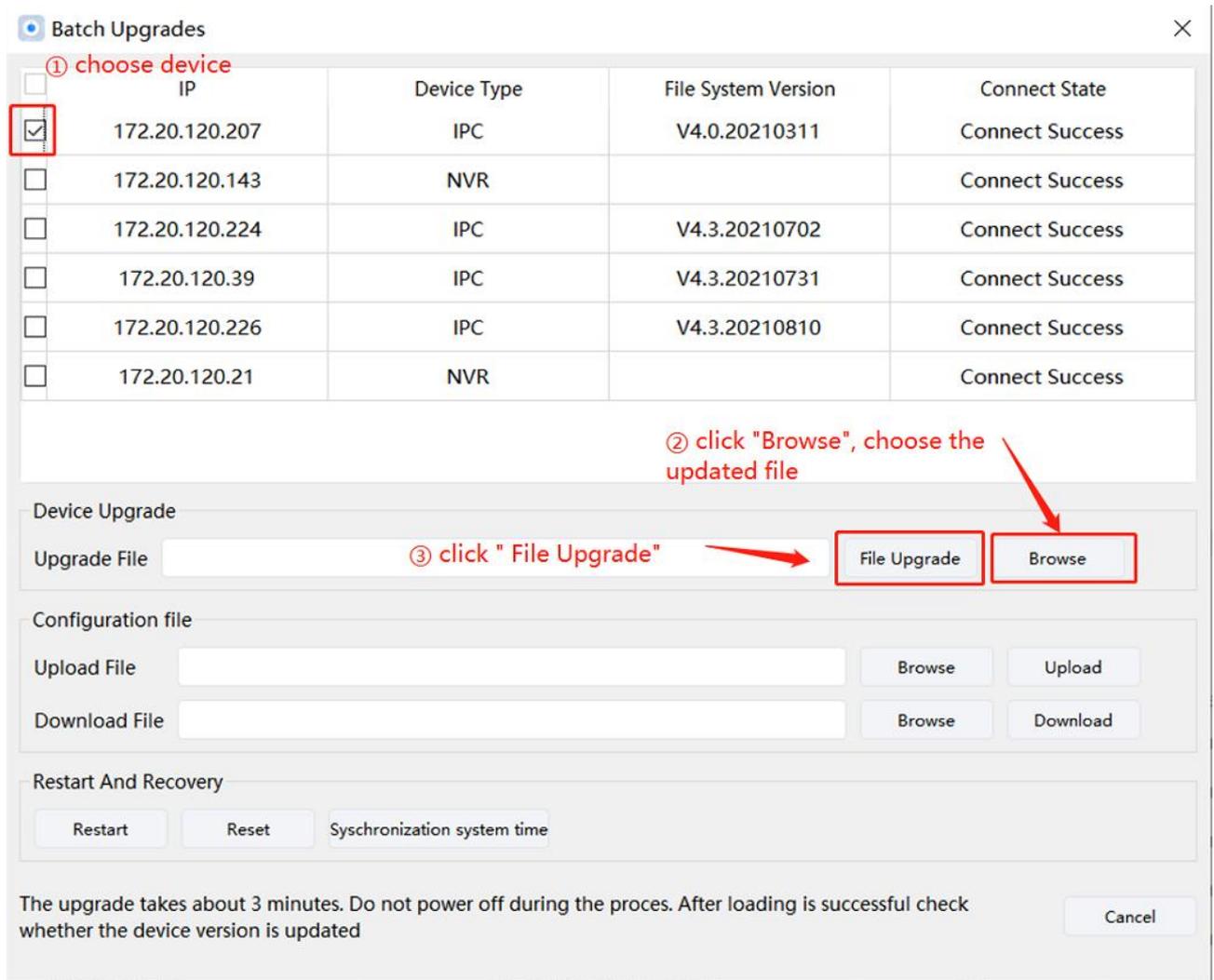


Figure 6-14 Remote upgrade

6.8 Restart, restore factory settings and synchronize system time

After selecting the device, click "Restart" to complete the device restart operation.

After selecting the device, click "Factory Reset" to complete the operation of restoring the device to the factory default settings.

After selecting the device, click "Synchronize System Time" to modify the time of all the selected devices to the current system time of the PC.



Figure 6-15 Restart, factory reset, synchronize system time

Chapter 7 Local playback

Click the "local playback" menu to jump to the local video query playback interface. Local login supports local recording function and displays local recording playback. Cloud platform login does not display the local playback page.

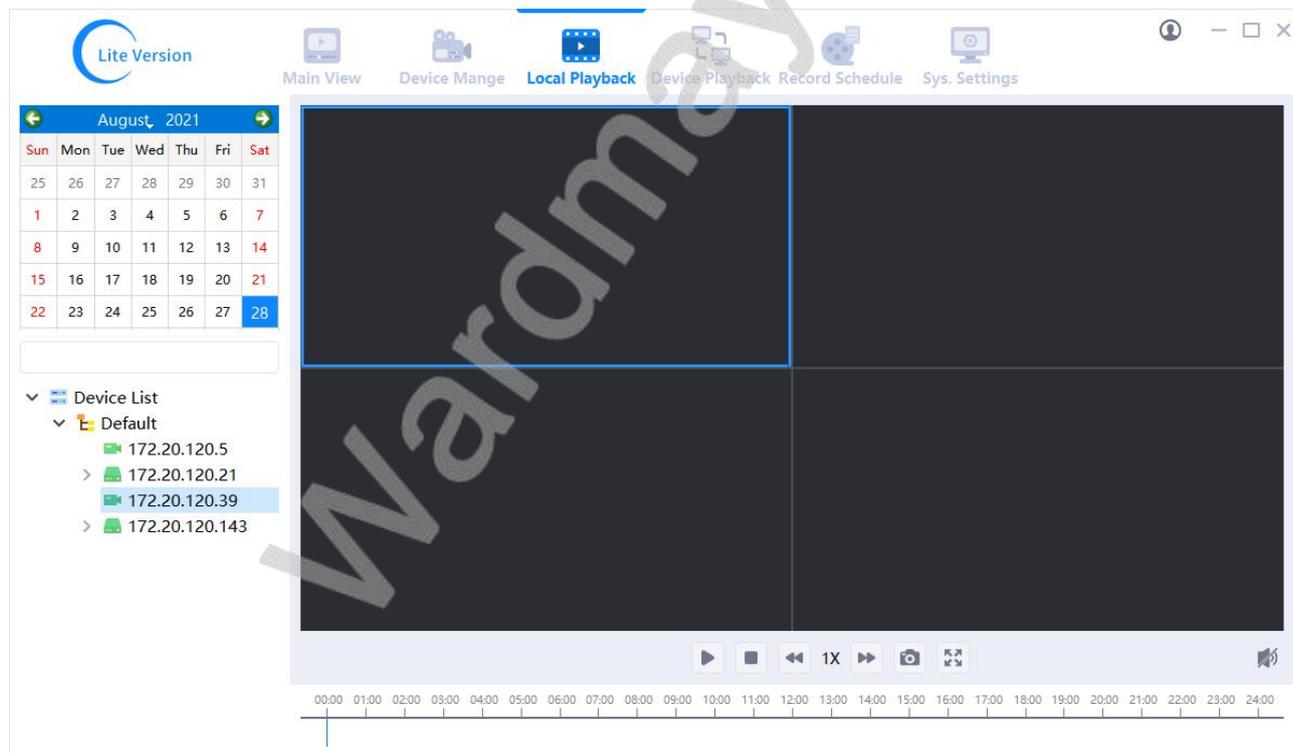


Figure 7-1 Local playback

7.1 Local playback

Local recording is recording according to the recording strategy configured in the [Recording schedule], and the local recording files are saved in the local computer. Up to four screens can be played back at the same time. In the playback window, the user can operate the toolbar below the player to realize pause/play, stop, fast forward/slow forward, capture, and full screen functions.

Note:

1. Manual video files cannot be retrieved.
2. The NVR local video can be queried and played back in "Remote Playback".

7.1.1 Playback steps

- ① Device list select device
- ② The calendar on the left will display all local recordings of the selected device (the date

when the local recording exists, marked with a red dot, as shown in Figure 7-2)

- ③ Select the date (the default option is today)
- ④ Play video on the right

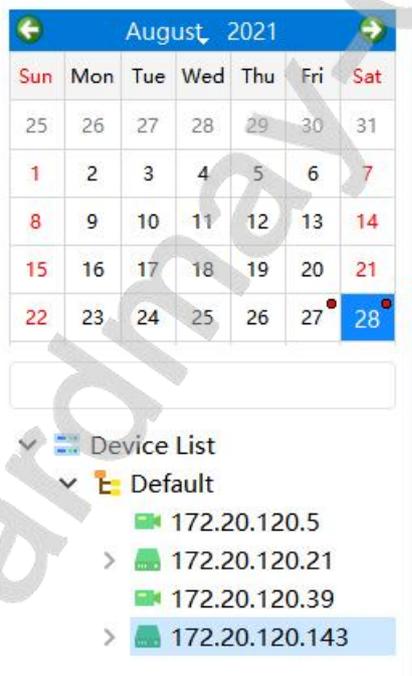


Figure 7-2 Local recording

7.1.2 Pause, stop, fast forward, capture, full screen

After starting playback, the buttons below can be operated to pause, stop, fast forward/slow forward, capture, and full screen. The saving path of the captured picture is set and viewed in Chapter 10 System Settings. Press Esc after full screen to exit full screen.



Figure 7-30 Operating button

7.1.3 Sound control

Local video tape audio, audio will be played during playback, and it can be muted by clicking the audio button. As shown in Figure 7-4.



Figure 7-4 Sound control

Chapter 8 Remote playback

Click the "Remote Playback" menu to jump to the local video query playback interface.

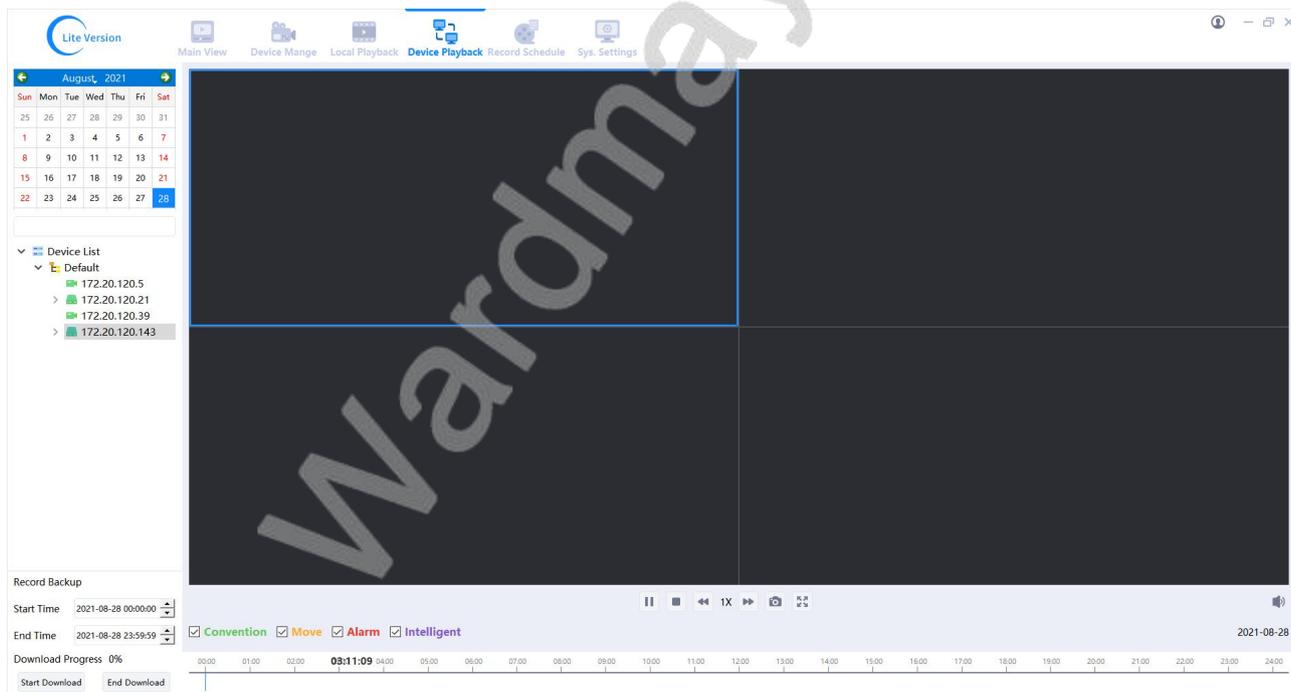


Figure 8-1 Device playback

8.1 Remote video playback

Remote recording is a recording file obtained by connecting a storage device to a remote device and enabling recording. Double-click the queried video file to directly play back the remote video file. In the playback window, the user can operate the toolbar below the player to realize functions such as pause/play, stop, fast forward/slow forward, capture, full screen, and sound.

8.1.1 Playback steps

- ① Device list select device
- ② The calendar on the left will display all front-end recordings of the selected device (the date when the front-end recording exists, marked with a red dot, as shown in Figure 8-2)
- ③ Select the date (the default option is today)
- ④ Play video on the right

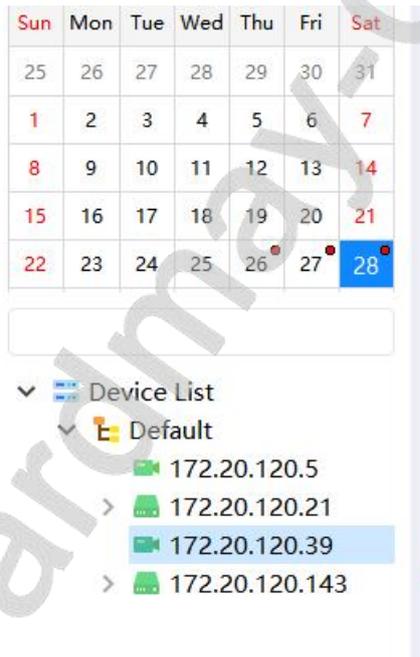


Figure 8-2 Front-end recording

8.1.2 Pause, stop, fast forward, capture, full screen

After starting playback, the buttons below can be operated to pause, stop, fast forward/slow forward, capture, and full screen. The saving path of the captured picture is set and viewed in Chapter 10 System Settings. Press Esc after full screen to exit full screen.



Figure 8-3 Operating button

8.1.3 Sound control

Front-end video tape audio, audio will be played during playback, and it can be muted by clicking the audio button. As shown in Figure 8-4.



Figure 8-4 Sound control

8.1.4 Playback time and type selection



Figure 8-5 Recording selection

Playback start time: the default is the earliest recording of the day.

Current playback time: the blue vertical line marks the current playback time, and you can click on the time bar to switch the time.

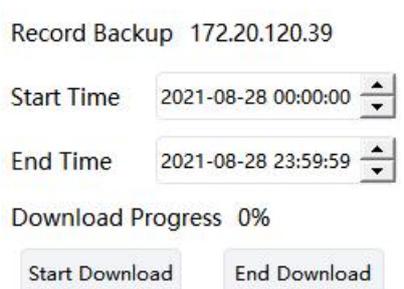
Different alarm types: one color represents one type of alarm.

Only play a certain type of alarm playback: all alarm types are displayed by default, and you can check or uncheck a certain type.

8.1.5 Playback download

Download and playback video steps:

- ① Select the device in the device list
- ② Set the start and end time
- ③ Click to start downloading
- ④ Wait for the download to complete



Record Backup 172.20.120.39

Start Time 2021-08-28 00:00:00

End Time 2021-08-28 23:59:59

Download Progress 0%

Start Download End Download

Figure 8-6 Recording back up

Chapter 9 Record schedule

Local login supports the recording plan function, and the cloud platform login does not display the "Recording schedule" page.

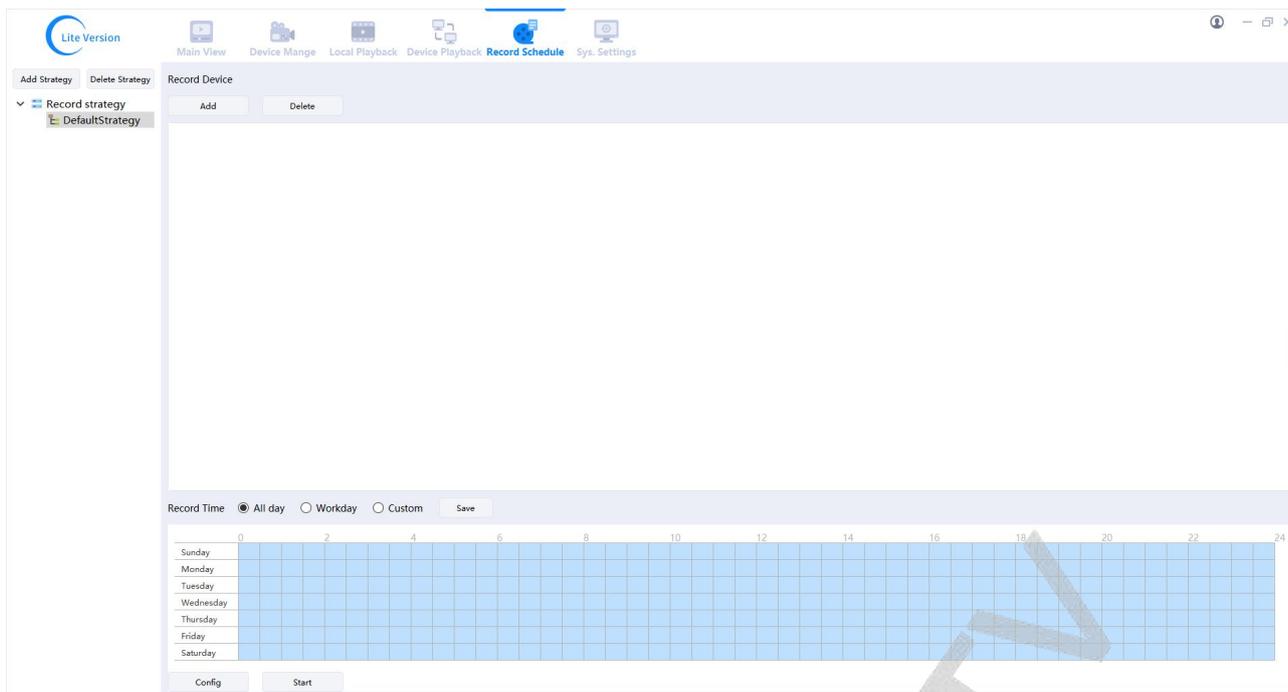


Figure 9-1 Record schedule

9.1 Recording strategy

Enter the recording plan interface, the default recording strategy interface is shown in Figure 9-2:

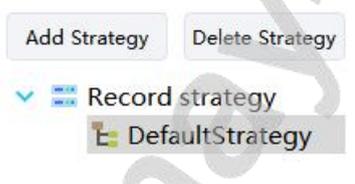


Figure 9-2 Strategy management

9.1.1 Add recording strategy

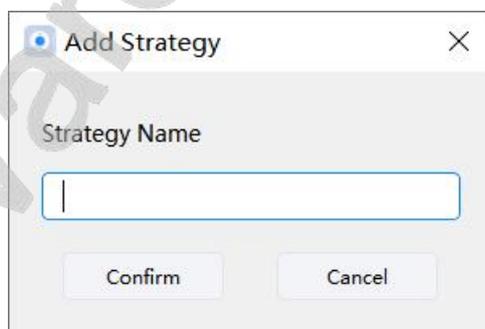


Figure 9-3 Add strategy

Strategy name: the system default strategy name is DefaultStrategy, which cannot be modified. When you need to add other strategies, you can name the strategy name arbitrarily, but it cannot be DefaultStrategy.

Add strategy: When different devices need to record with different "trigger methods", or when there are more devices, it is recommended to configure multiple recording strategies.

9.1.2 Delete recording strategy

Select the target strategy name and click "Delete Strategy" to delete the strategy, and the devices in the strategy will stop recording.

9.2 Add recording device

Select the recording strategy, click Add, and the device list will pop up. You can choose a single device to add, you can also hold down the Ctrl key to select multiple, or Ctrl+A to select all to add.

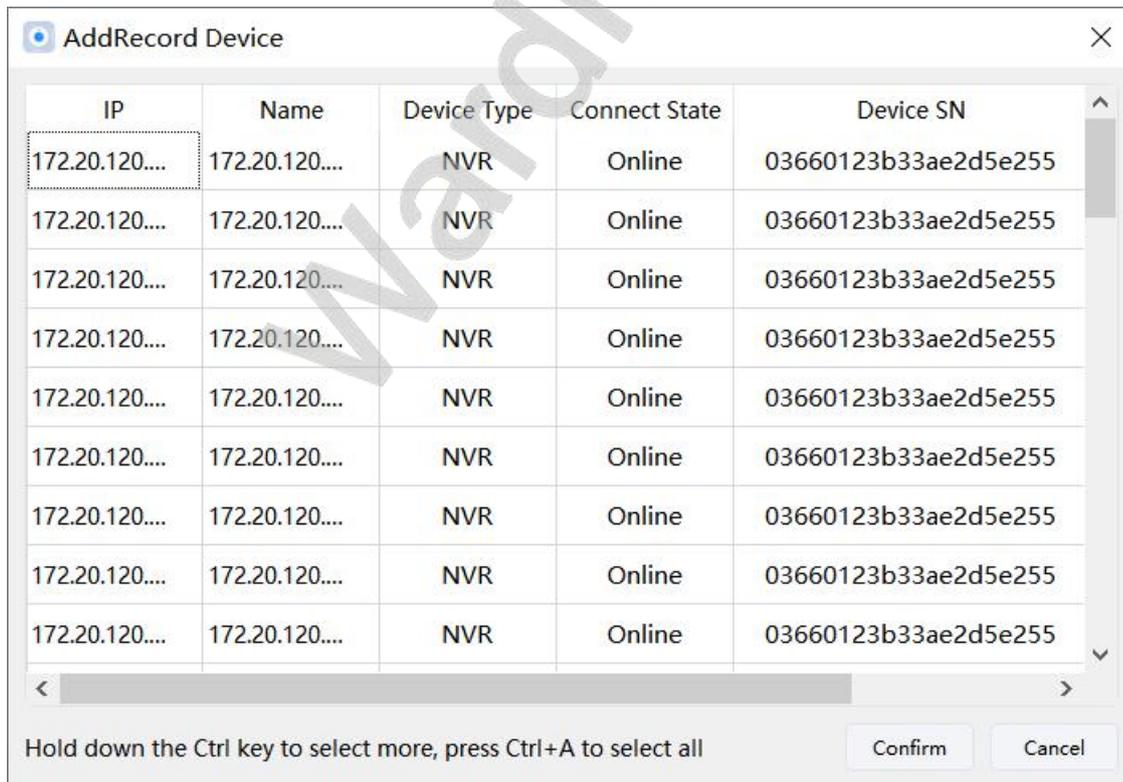


Figure 9-4

9.3 Strategy configuration

After selecting the strategy, click the "Configuration" button to pop up the advanced configuration page. Configurable storage strategy, file configuration, save path, etc. The default value of the storage policy is to delete old videos when the disk is full, and the default value of the file configuration is to record the main stream, a single file is 10 minutes, and no audio is recorded. The save path defaults to other drive letters except C drive.

Record audio: If you need to record video and audio files, you need to check this option. When the audio is enabled on the front end of the device and the option is checked, the recorded video files are audio and video files.

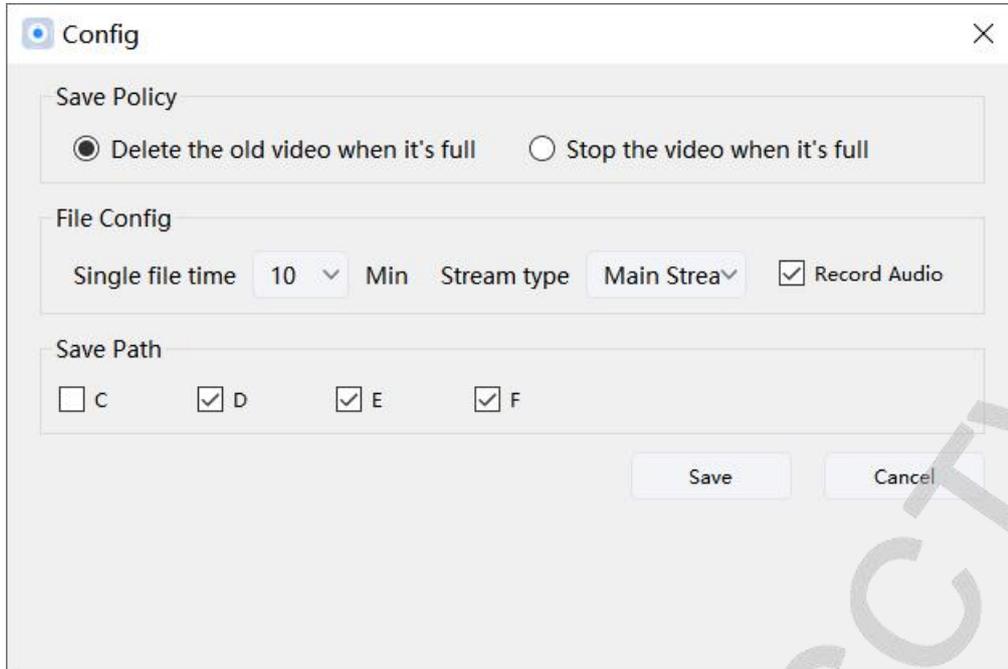


Figure 9-5 Video parameter configuration interface

9.4 Recording time

The recording time defaults to all-day recording, with optional working days and customization.

9.4.1 All day

All day recording: 00:00–24:00, Monday to Sunday. Not editable.

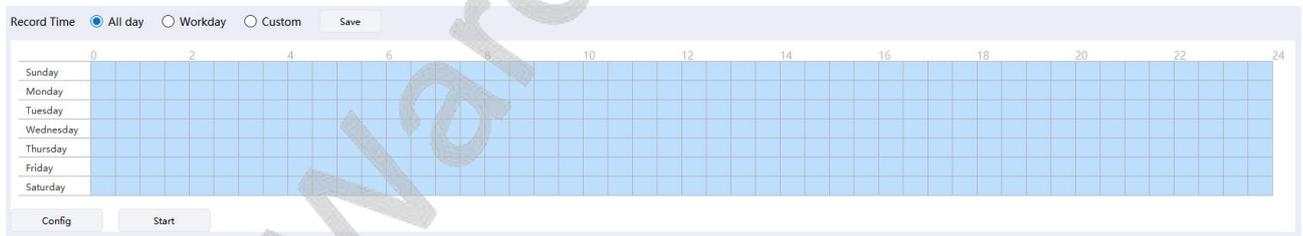


Figure 9-6

9.4.2 Working day

Working days: 8:00–18:00, Monday to Friday. Not editable.

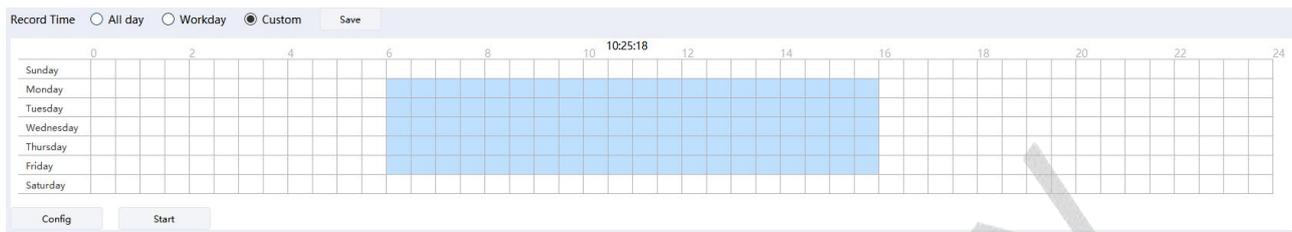


Figure 9-7

9.4.3 User defined

All times can be edited, the recording of the day can be cancelled, and the recording time can be dragged left and right.

Cancel the video of the day: hold down the blue time bar with the mouse, slide the mouse left or right and release the mouse button, you can see that the time of the day has all turned white, that is, the video of the day has been cancelled.

Adjust the recording time period: the time axis is composed of several small squares, one small square is half an hour, and the recording time can be adjusted by canceling each small square.

Be sure to click Save after modification.

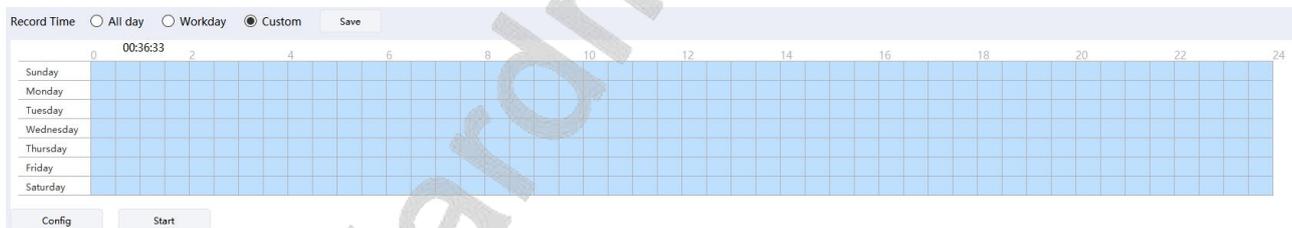


Figure 9-8

9.5 Start recording

There is a recording switch for each recording strategy. After setting the device in the strategy, the advanced configuration of the strategy, and the recording time, click the "Start" button. When the "Start" button changes to the "Stop" button, it means that the strategy has started to record.

Chapter 10 System setting

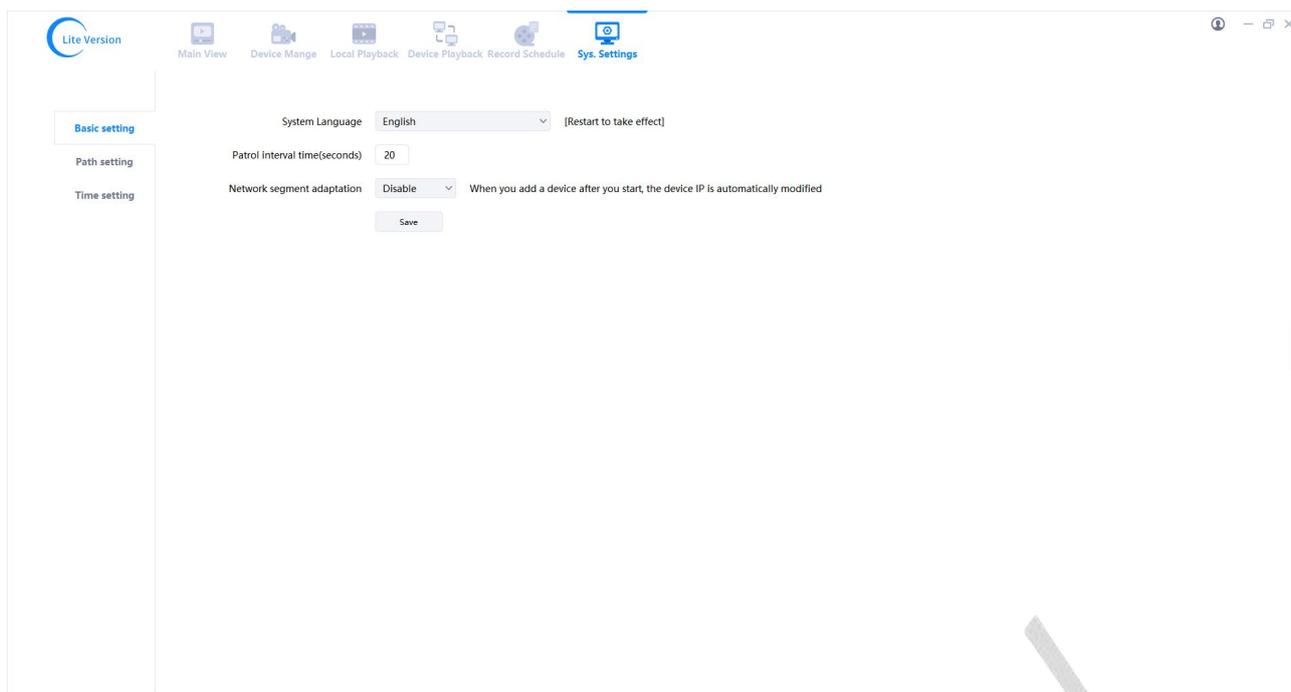


Figure 10-1

10.1 Automatically run on startup

On the main interface "  ", click "Automatically run on startup". Turn on automatic operation at startup, and automatically save user passwords and settings for automatic login.

Cancel "Automatic operation on startup"  and click "√Automatic operation on startup" on the main interface " " again. However, the automatic login has not been cancelled. If you want to cancel, you must uncheck the "Automatic Login" on the login page.

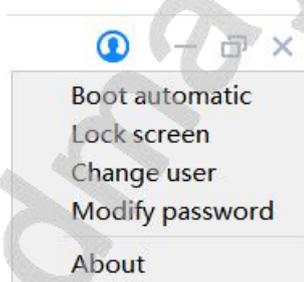


Figure 10-2

10.2 Lock screen

Click the "Lock Screen" button on the main interface "  " to lock the entire video preview client operation interface. After the screen is locked, a password dialog box pops up, and the entire interface cannot be operated. The user can only unlock successfully after correctly

inputting the current user's password.

10.3 Switch user

The default admin login, if the user uses another account to log in, you can click "Switch User" on the main interface "  " to automatically return to the login interface.

10.4 About

In the main interface "  ", select "About" from the pop-up menu to view the ENZClient version number.



Figure 10-3

10.5 System language

ENZClient currently supports two languages, select and save, and restart ENZClient to take effect.



Figure 10-4

10.6 Cruise interval

Set the polling time interval, enter a number, and the unit is second. After saving, it can be set successfully.

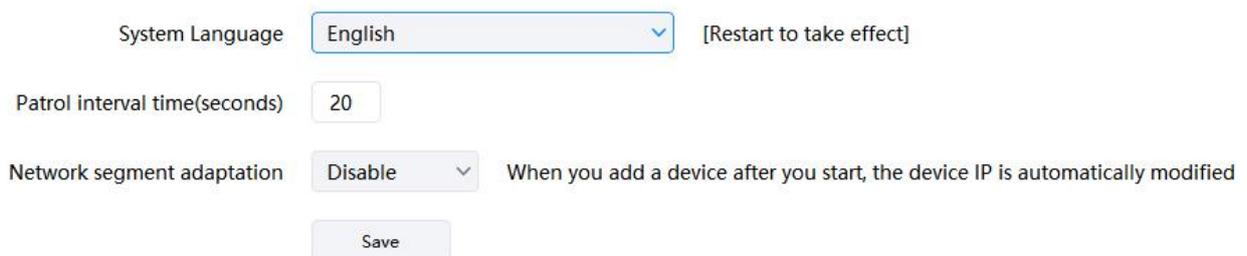


Figure 10-5

10.7 Route setting

The storage path configuration enables the video files and pictures generated in ENZClient to be saved in the path that the user wants. In "Path Settings", users can select the local path according to their needs, and click "Save" after selection to make the settings take effect.

The screenshot shows a settings window with three rows of path configuration:

- Manual Record Path:** A text input field containing "C:/IMS_lite/video" and a "Browse" button to its right.
- Screenshot Path:** A text input field containing "C:/IMS_lite/picture" and a "Browse" button to its right.
- Playback Backup Path:** A text input field containing "C:/IMS_lite/record" and a "Browse" button to its right.

At the bottom of the form is a "Save" button.

Figure 10-6

When the video file save path is not set, the video files generated in IMS lite are saved in the Video directory under the program installation path; the pictures are saved in the Picture directory under the program installation path; the video backup is saved in the program installation in the record directory under the path. After setting the save path, all the generated video files and pictures are saved in the set path. ENZClient will automatically remember the path set last time when it is turned on again, and the user only needs to set the path once.

10.8 Time setting

The time calibration function of the equipment, according to the set parameters, the equipment is time calibrated regularly. Checking "Synchronize System Time" will take effect for the above two parameter settings. If it is not clicked, the parameter function will not take effect. As shown in Figure 10-7.

The screenshot shows a settings window with the following parameters:

- Synchronization interval:** A text input field containing "3600" with "(3600-86400)s" displayed to its right.
- Maximum time error permitted:** A text input field containing "5" with "(5-300)s" displayed to its right.
- Synchronization system time:** An unchecked checkbox.

At the bottom of the form is a "Save" button.

Figure 10-7

10.8.1 Syn interval time

The synchronization time interval parameter is set to 3600~86400 (seconds), the default is 3600 seconds, and the time is adjusted to the device according to the set interval time.

10.8.2 Maximum allowable time difference

The maximum allowable time difference parameter is set to 2~300 (seconds), and the default is 2 seconds. Compare the time difference between the device and the system. If the maximum allowable time difference is greater than or equal to the maximum allowable time difference, the device will be time synchronized, and if <the maximum allowable time difference, the device will not be time synchronized.