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# Local monitoring management system instruction manual

Version 3.0

## statement

Thank you very much for purchasing our products. If you have any questions or needs during the use, please feel free to contact us.

This manual is written according to the current software and hardware. Due to the update, modification and upgrade of the software version, and the upgrade of the hardware device, the technical problems described in the manual may be inaccurate or imperfect. Please understand. If you cannot solve the problem according to the manual during use, please call our technical department for relevant operation methods. The manual will be updated regularly. If necessary, please go to our official website for download without prior notice.

## Tips

Recommended PC basic configuration: CPU quad core 3.0GHz,

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4G memory, 512M discrete graphics, 2.1 sound card, Audio output,  
MIC input, WindowsXP/7/8/10

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## 1. Client overview

The local monitoring and management system uses the local area network as the medium channel to centrally monitor, capture, record, receive/process alarms, view historical recordings, and remote intercom, and broadcast to multiple monitoring points. .

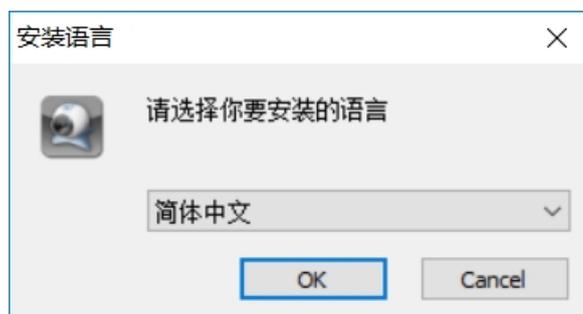
This user manual is provided for users who use the local monitoring and management system. You should have basic operating knowledge and experience of related equipment (such as IPC, NVS, DVR, etc.). If you have not used any related equipment such as IPC, you can use this manual in conjunction with the IPCAMERA Instruction Manual V3.0. This will enable you to quickly use our products.

The system is being further designed and improved. Please pay attention to the official website of our company and download the latest version of the system installation and use. Please understand that the functions of the system are not perfect. We kindly ask you to give us valuable comments to encourage us to improve the system better. We are very grateful for your suggestions.

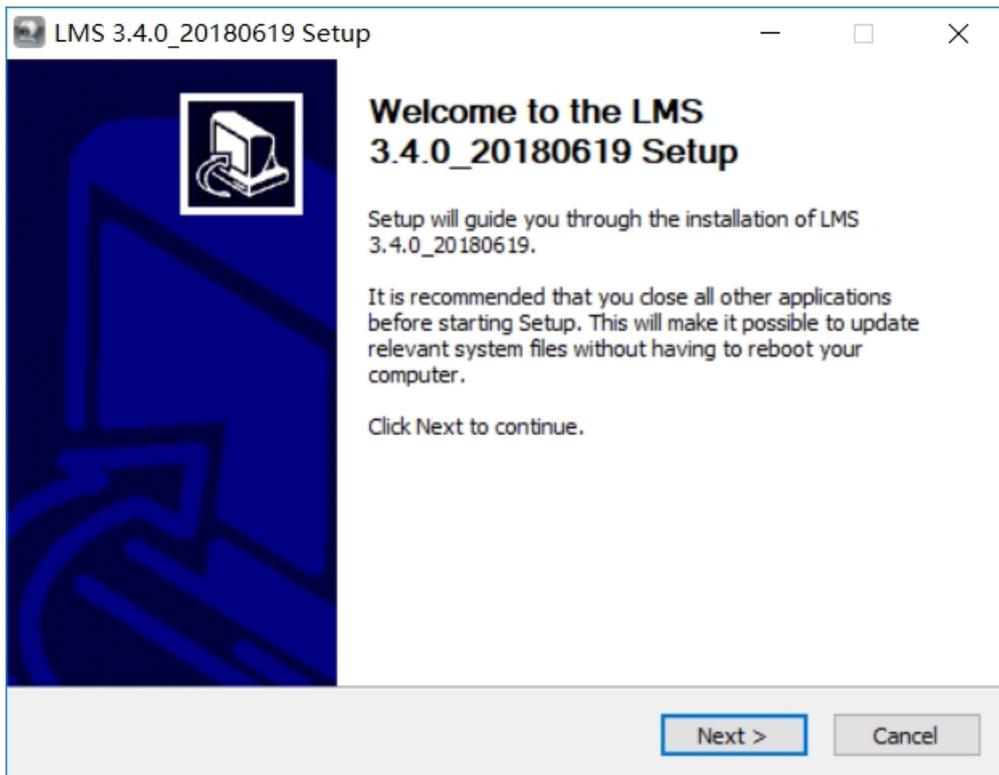
## 2. Client installation and uninstallation

### 2.1 installation

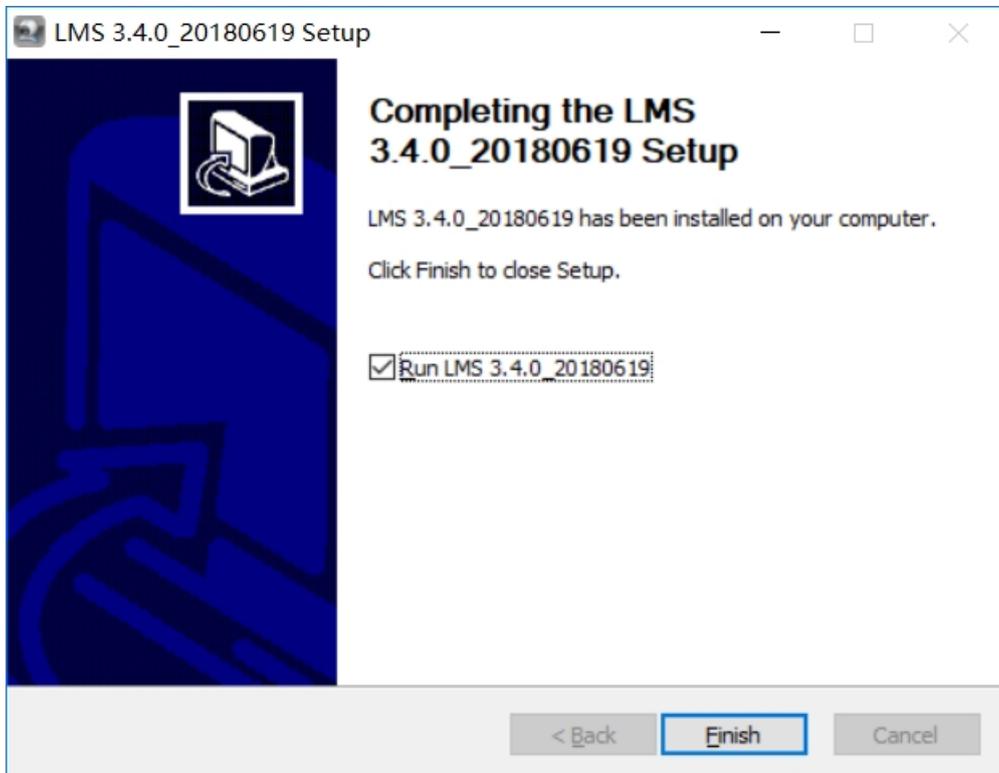
① Double-click the LMS\_install\_Vx.x.x\_xxxx.exe installer to select the installation language;



② Click the "OK" button to start the installation wizard;

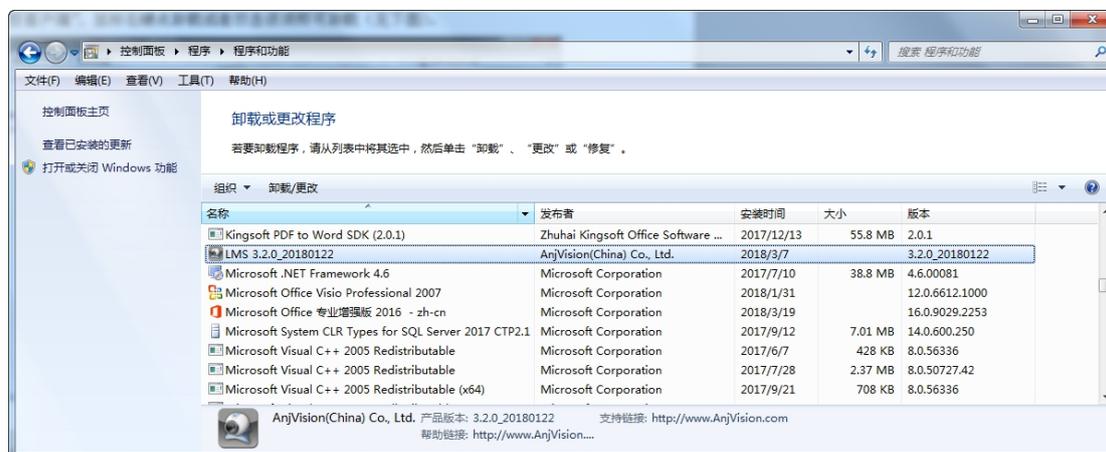


- ③ Click the “Next” button to enter the selection installation location interface and set the program installation directory;
- ④ Click the “Install” button to start the installation;
- ⑤ The installation completion screen pops up, click “Finish” to exit.



## 2.2 Uninstall

Click the [Start] button to select Settings → Control Panel → Programs → Uninstall Programs, select “LMS x.x.x\_xxxx” in the uninstall or change program interface, right click on the mouse to uninstall or double-click the item to uninstall (as shown below).



## 3. Client login

客户端安装成功后，运行客户端，进入登录界面如下图，输入用户名和密码点登录即可



**Username:** The username of the local login. The initial value is admin.

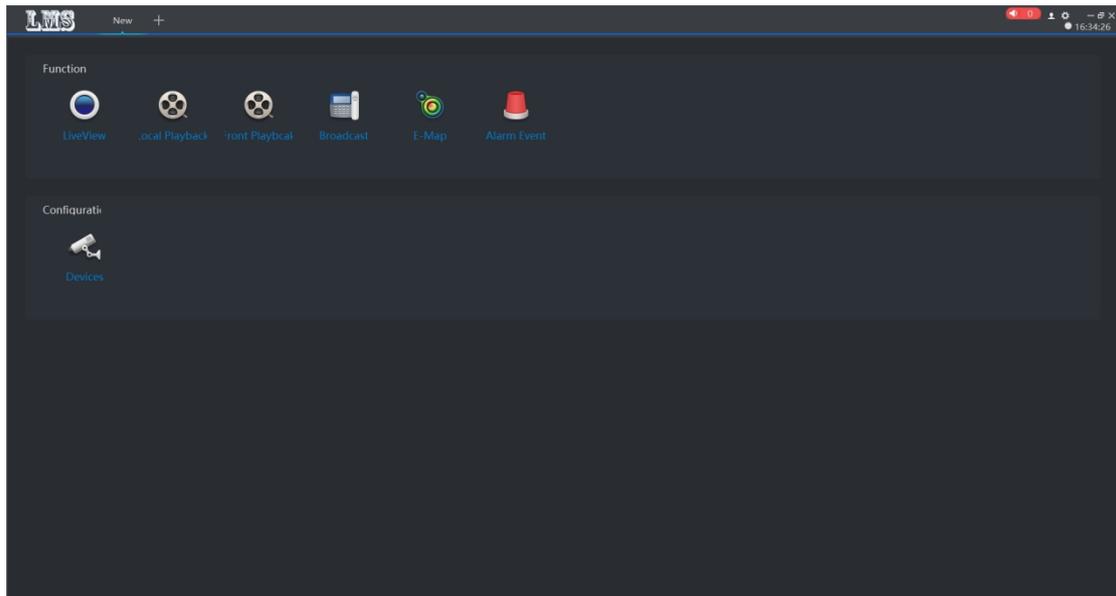
**Password:** The password for local login. The initial value is 123456, which can be changed after login.

**Remember password:** After checking this item, you do not need to re-enter your password to log in again next time;

**Automatic login:** After checking this item, the next time you double-click the client icon, you do not need to enter the user name and password to enter the system directly.

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## 4. Client common function configuration



### 4.1 Features

**Preview:** Real-time preview operation of the group channel, as well as recording, grabbing, pan/tilt, etc.

**Local playback:** Search and playback of local video files of the packet channel

**Remote playback:** Search and play back remote video files of the packet channel

**Broadcast:** Support for calls and MP3 broadcasts

**Electronic map:** convenient for user layout and positioning equipment

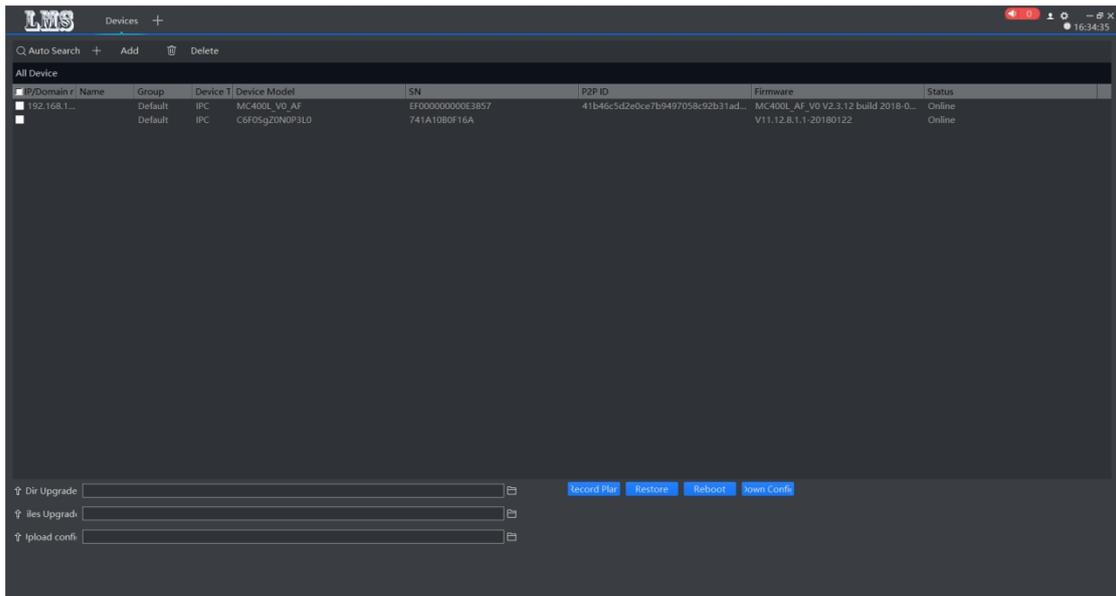
**Alarm event:** record and query alarm information

### 4.2 Configuration

**Device Management:** Add, delete, modify, and upgrade devices

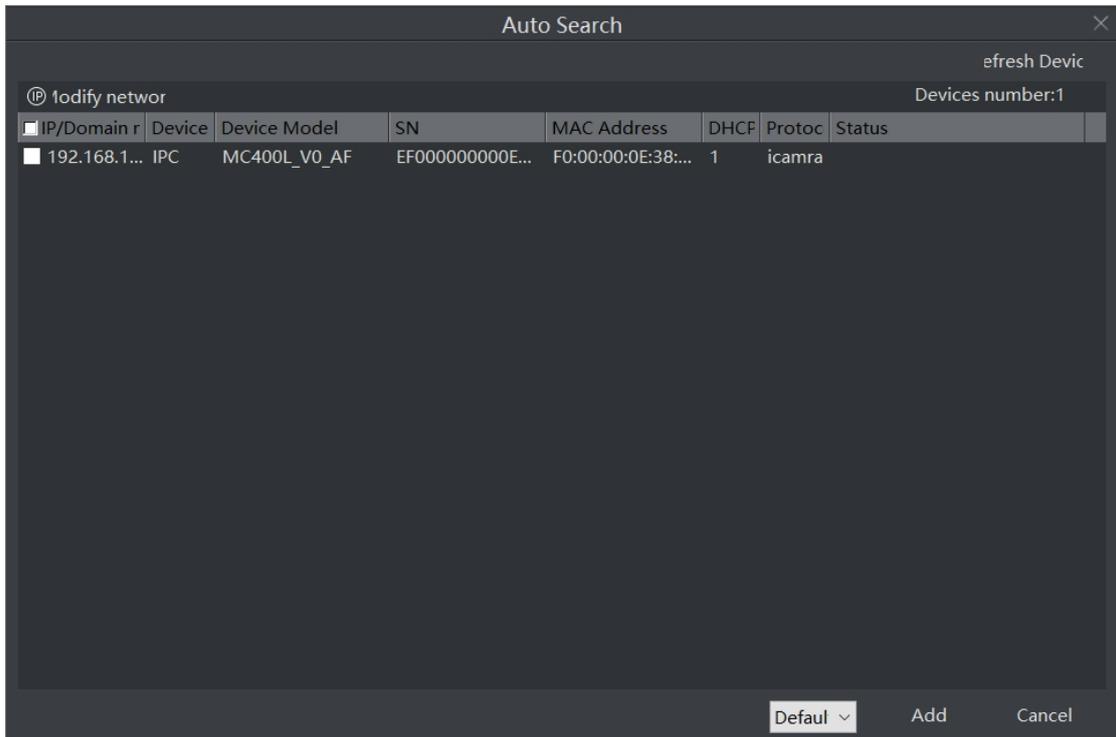
## 5. Equipment management

In the configuration bar of the new function interface, select “Device Management” to enter the device management page (as shown below).



## 5.1 Auto Search

Can search all devices on the same network segment, modify IP and group

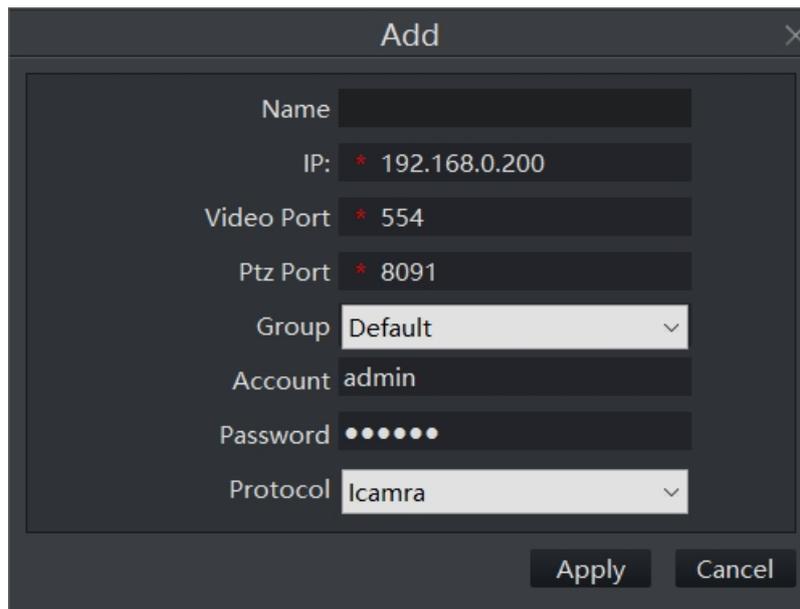


## 5.2 Add device

You can manually add devices, including name IP, video port, PTZ control port, group,

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account, password (default admin, 123456) for editing. \*Is required



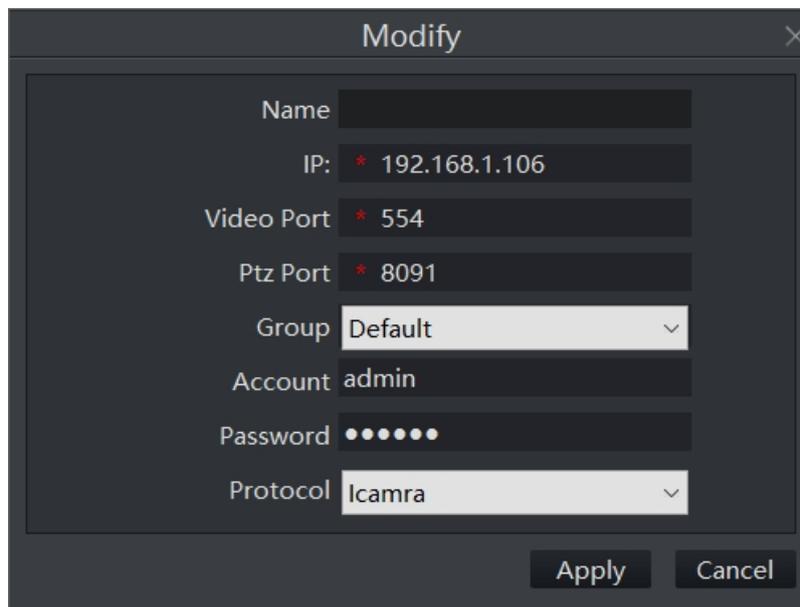
The 'Add' dialog box contains the following fields:

Name	
IP:	* 192.168.0.200
Video Port	* 554
Ptz Port	* 8091
Group	Default
Account	admin
Password	•••••
Protocol	Icamra

Buttons: Apply, Cancel

### 5.3 Modify device

This feature can modify the display information of the device. Including name IP, video port, PTZ control port, group, account, password can be edited.



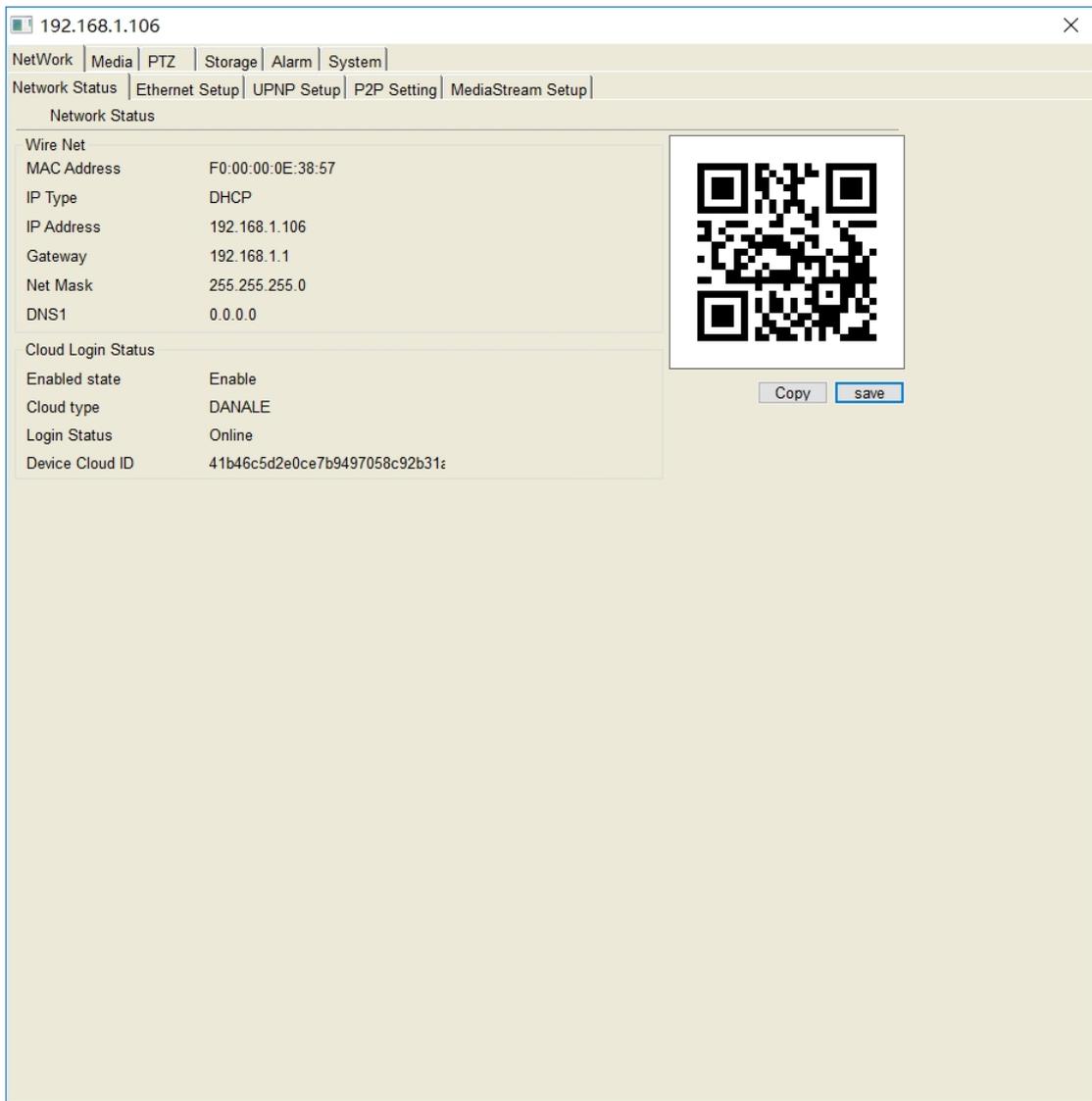
The 'Modify' dialog box contains the following fields:

Name	
IP:	* 192.168.1.106
Video Port	* 554
Ptz Port	* 8091
Group	Default
Account	admin
Password	•••••
Protocol	Icamra

Buttons: Apply, Cancel

### 5.4 Remote configuration

The settings that can be made include: network settings, media settings, pan/tilt settings, storage settings, alarm settings, system settings, etc. The relevant usage methods are described in detail on the front-end devices.



## 5.5 Delete device

Deleting a device that has been added by the client is not recoverable. Please be cautious.

## 5.6 Directory upgrade, file upgrade, and upload configuration

**Directory upgrade:**click , Select the appropriate folder and click "Directory Upgrade" to upgrade



**File upgrade:**click , Select the appropriate file and click "File Upgrade" to upgrade.

**Upload configuration:**click , Select the corresponding configuration file and click "Upload Configuration" to upload the configuration information. The corresponding configuration

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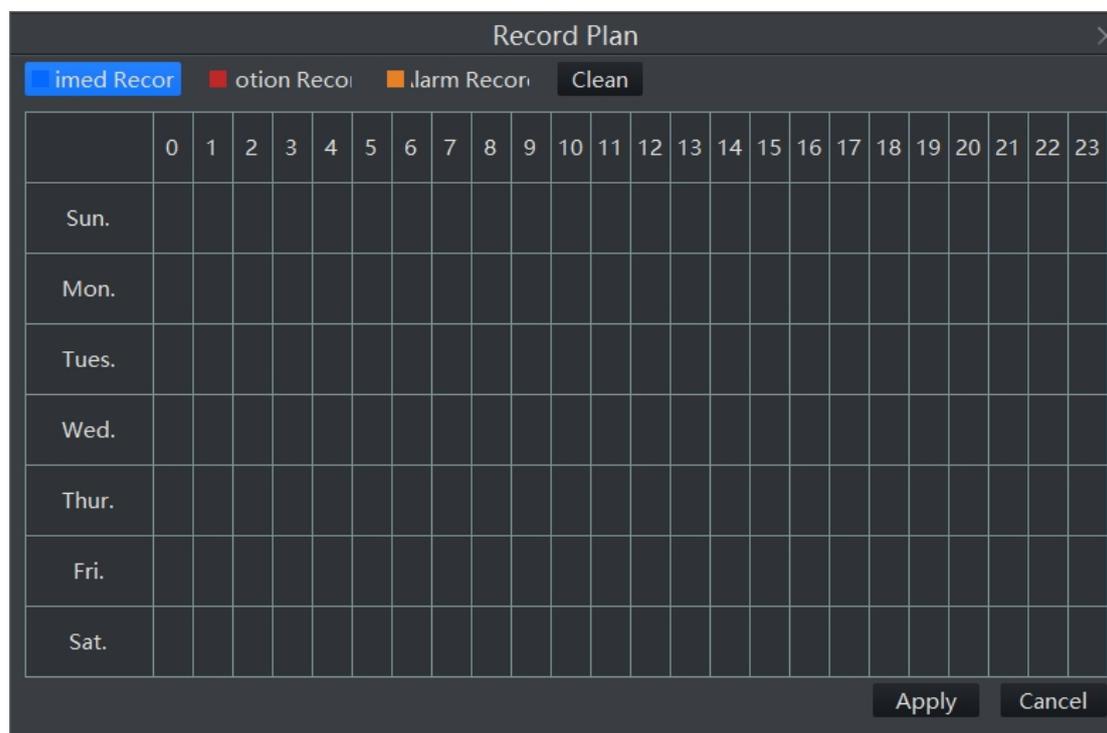
information takes effect immediately, but the factory reset will be reset.

Note:

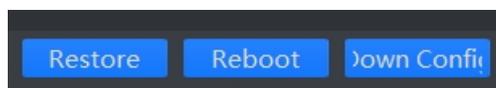
1. There will be a status prompt if the upgrade is successful or not., If the upgrade is unsuccessful, you can repeat the upgrade once. If the upgrade is not successful, you need to power off the front-end device before upgrading. The upgrade status is displayed during the upgrade.
2. Do not power off the front-end equipment during the upgrade to avoid program loss.

## 5.7 Video plan

The corresponding recording plan can be customized in batch or separately, including timed recording, motion detection recording, alarm recording, and clearing the recording.



## 5.8 Restore factory, reboot device and download configuration



After selecting the device, click “Restore Factory” to complete the factory default reset operation.

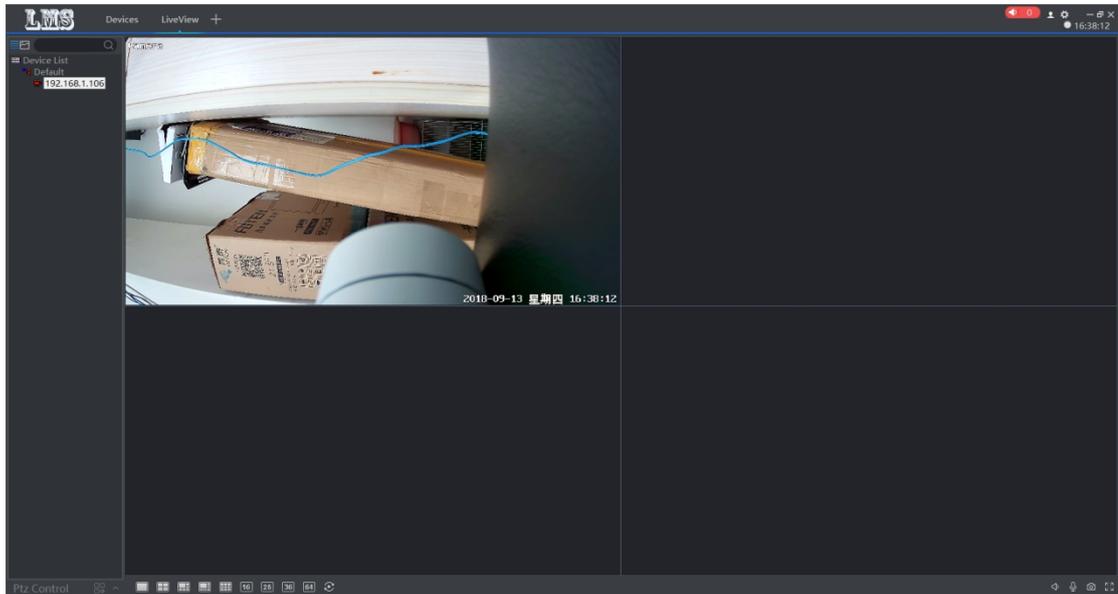
After selecting the device, click “Restart Device” to complete the device restart.

After selecting the device, click "Download Configuration" to download the configuration information of the corresponding device.

## 6. Preview

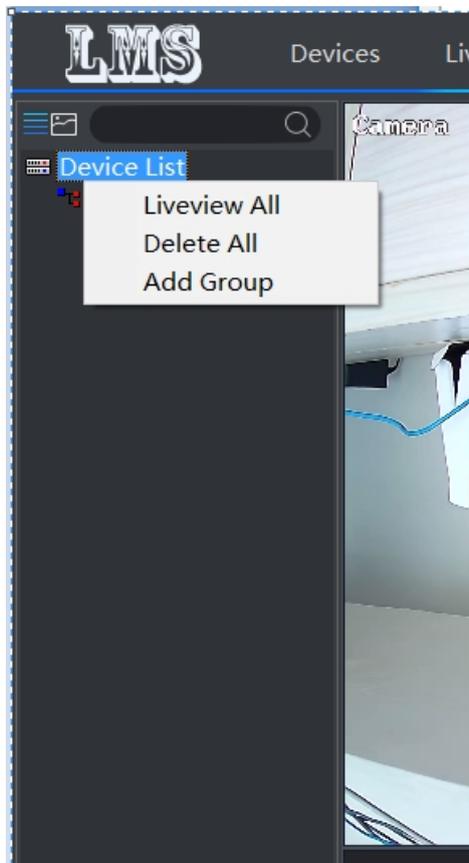
After the configuration management has added the device, in the configuration bar of the new

function interface, select “Preview”, then jump to the video browsing interface, you can browse the video in real time (as shown below)



## 6.1 Tree list view

click , Switch to the tree list view. Devices can be grouped, deleted, and added.



### 6.1.1 Device List

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Right click , You can preview all devices, delete all devices under the list, and add groups (pictured above)

## 6.1.2 Grouping

Right click , you can preview all devices under the current group, delete all devices in the group, and delete the group, but you cannot delete the default group (above)

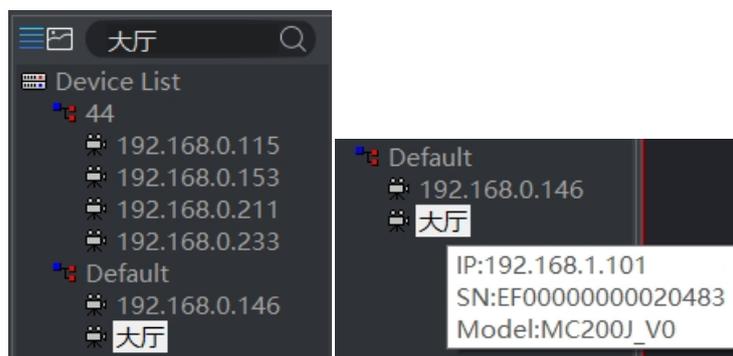
## 6.1.3 Device Configuration

Right click on the corresponding device , You can modify the device, delete the device, set the remote configuration view, set the recording schedule, copy the P2P ID, generate the QR code, restart and restore the factory settings, and view the external storage (above).

## 6.1.4 Search and view devices

**Search for the device:** Enter the corresponding device name, you can find the corresponding device, the background color of the searched device turns white (as shown below)

**View device:** The mouse will display the IP serial number and device type after staying on the IP for about 1s.



**Device status:**



Blue : Device online

White : Device offline

Red : Device is previewing

White antenna : The device is not recorded

Red antenna : The device is recording

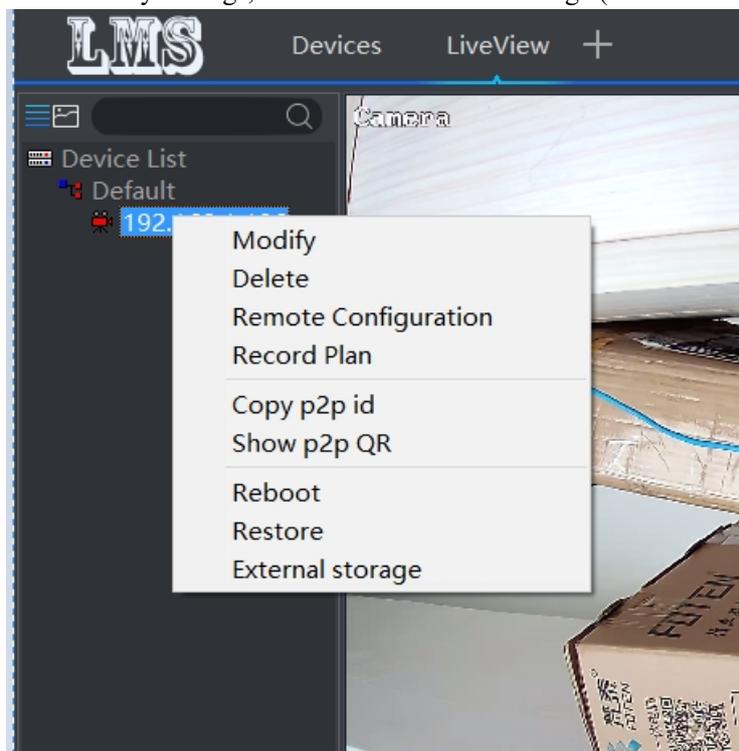
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## 6.2 Image list view

click , Switch to the image list view. Adding and deleting devices can be done.

### 6.2.1 Device Configuration

Right-click the corresponding device to modify the device, delete the device, set the remote configuration view, set the recording schedule, copy the P2P ID, generate the QR code, restart and restore the factory settings, and view the external storage (as shown below).



### 6.2.2 Search and view devices

**Search for devices:** Enter the corresponding device name, you can find the corresponding device, the background color of the searched device turns blue

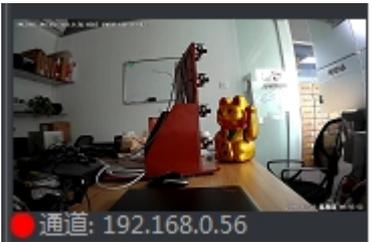
- (As shown below)



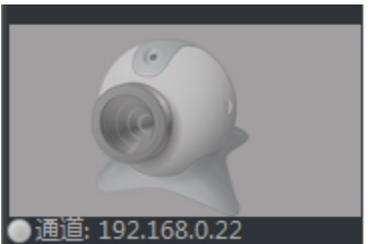
**Device status:** the screen will be intercepted after preview



Green dot: device online



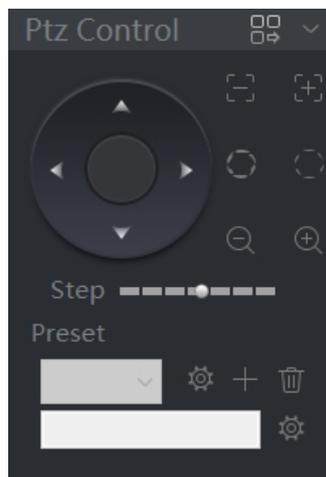
Red dot: device video



White dots: device offline

## 6.3 PTZ control

Through the PTZ control interface of the client, the corresponding PTZ control can be performed. The control window can be fixed or active (as shown above), including up, down, left, right, focus, aperture adjustment, step adjustment, zoom, pre- Set the operation. When the user performs the up, down, left, right, aperture, focus, and zoom control, press and hold the left button on the corresponding function button to start, and release the left button to stop.



PTZ folding

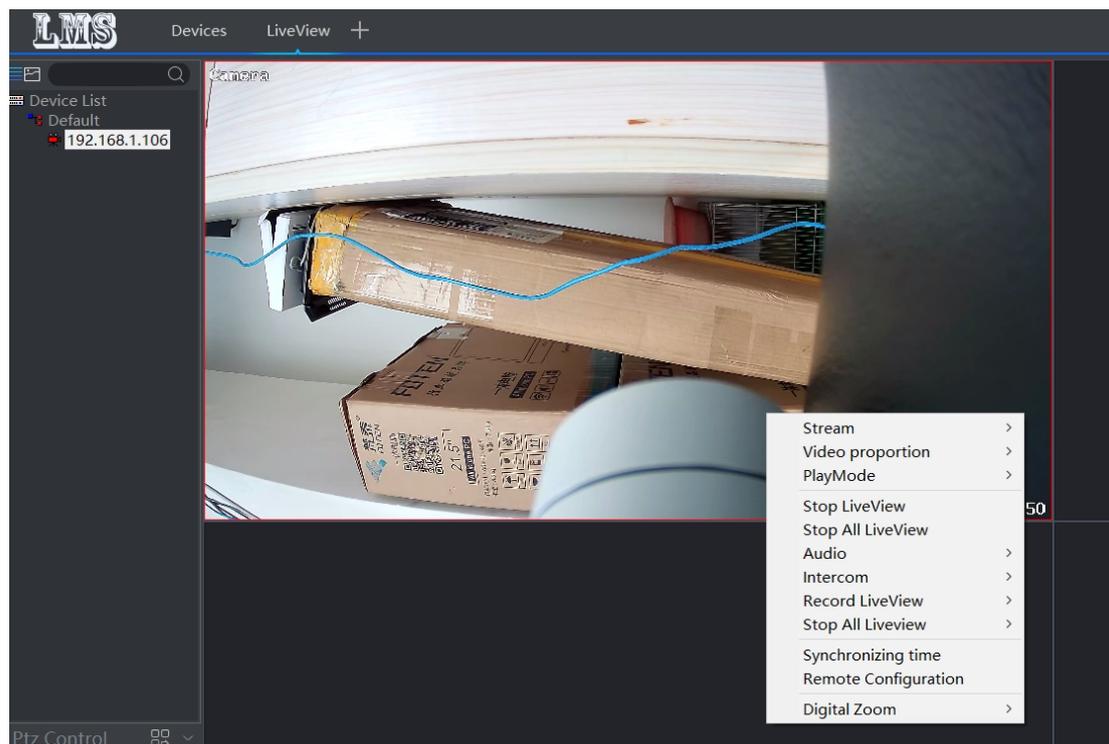


PTZ control interface unfolds (left) and expands (right)

Note:

Firmware without AF click this item does not work.

## 6.4 Real time monitoring



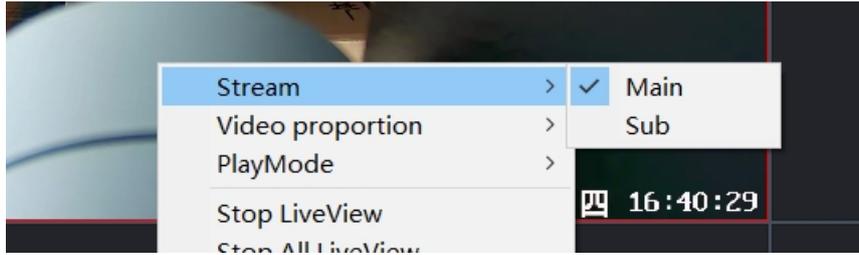
### 6.4.1 Real-time monitoring operation

- ① In the preview interface, select a device double-click in the device tree list to display the live video stream of the device in the first window of the monitoring area without video stream.
- ② In the preview interface, select a device in the device tree list and drag it to a window in the corresponding video window area, which will display the live video stream of the device;
- ③ In the preview interface, select the device group name in the device list, right-click the mouse, the drop-down window appears, and click “Automatically play this group of devices”, the system will automatically play the online device video stream from the first window.

### 6.4.2 Dual stream monitoring

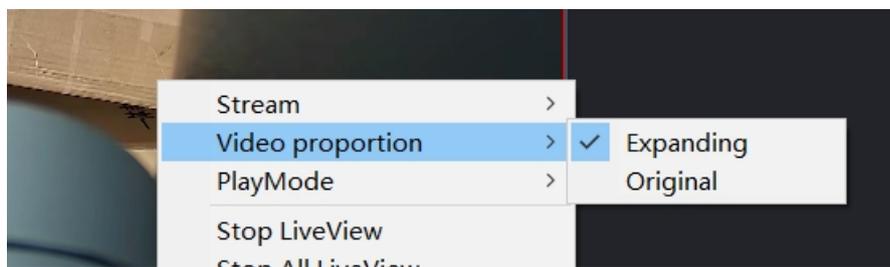
Due to the limitation of network bandwidth and the high definition of video images, front-end equipment such as IPC adopts dual stream technology. That is, the code is generated at the same time to generate two completely different code streams (including different resolutions, frame rates, picture quality). The main stream is used for local real-time storage, and the sub-stream is used for remote network transmission, which takes into account the high quality requirements of local storage images and the fluency of images transmitted over low bandwidth in remote networks. Reach the network bottleneck and maintain the full effect of local HD storage.

Select the screen, right-click shortcut menu, select the corresponding code stream to switch the code stream.



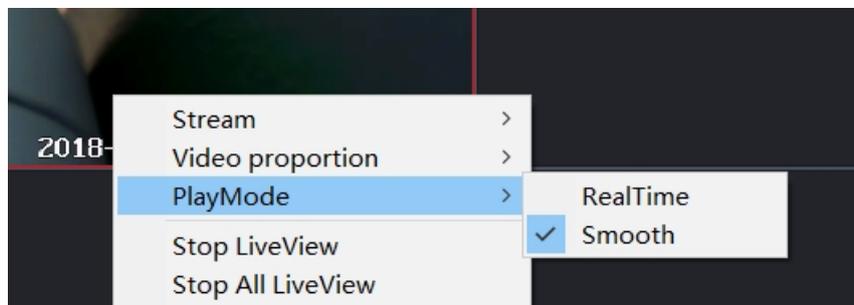
### 6.4.3 Video ratio

Select the screen, right-click shortcut menu, select the video scale, and realize the full screen and original scale display switching of the current window.



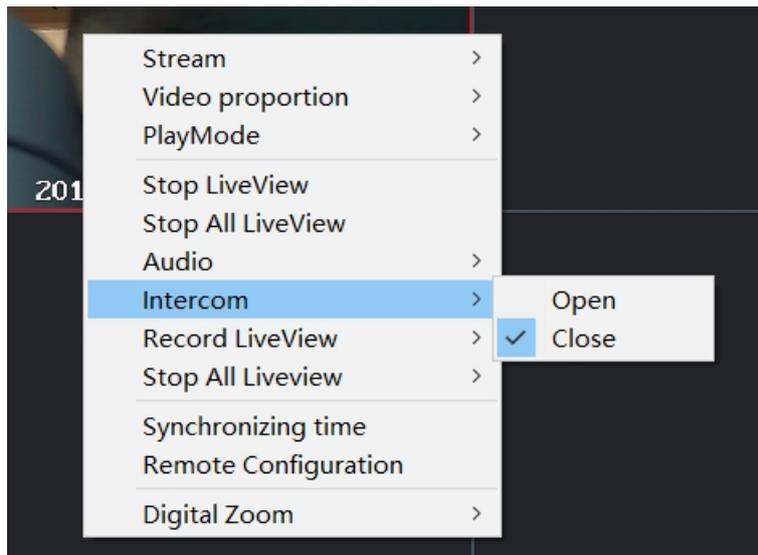
### 6.4.4 Play mode

Select the screen, right-click shortcut menu, and select the play mode to switch between the real-time and smooth screen display of the current window.



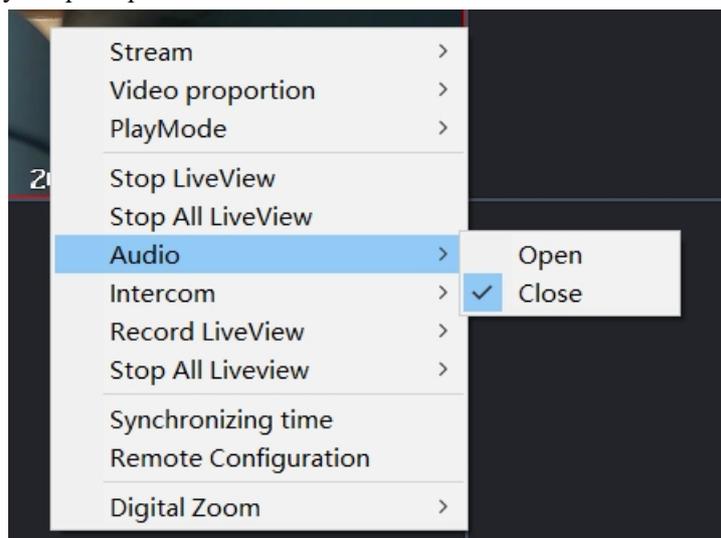
### 6.4.5 Voice intercom

Select the screen, right-click shortcut menu, select intercom, you can open the intercom, real-time two-way voice intercom function for the front-end equipment.



### 6.4.6 Audio

Select the screen, right-click the shortcut menu, select Audio, turn on the audio, and hear the sound received by the pickup.



### 6.4.7 Preview video

**Single preview video:** Select one screen to manually record the video of this screen.

**Preview all videos:** When the device is previewing in real time in the preview screen, click on any position of the preview screen to record all the pictures of the device being played. Click Close to close all preview videos

### 6.4.8 Stop preview

Right-click the corresponding device and click "Stop Preview" in the right-click menu bar to close the current preview screen; click "Stop All Preview" to close all preview images.

### 6.4.9 Electronic amplification

Select the right button of the device and click "Electronic Zoom" in the right-click menu bar

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to select the zoom in, zoom out, drag and drop functions to achieve the desired zoom effect.

**Zoom in function:** the mouse will change into a magnifying glass pattern, click the left mouse button, the position of the mouse will be enlarged, the image of the forward rolling pulley will be enlarged, and the image of the rolling roller will be reduced;

**Zoom out function:** the mouse will change to the reduced mirror pattern, click the left mouse button, the mouse position will be reduced, the forward scroll wheel image will be enlarged, and the backward scroll wheel image will be reduced;

**Drag and drop function:** the mouse will change into a drag pattern, dragging the mouse pattern will move, the forward scroll wheel image will be enlarged, and the backward scroll wheel image will be reduced;

**Disable function:** The mouse resumes the pointer pattern, and other zoom functions are turned off.

## 6.4.10 Screen format switching

Click the corresponding split screen button in the toolbar below the preview live stream to switch to the monitor of different screen formats. The following screen selections are available: 1 screen, 4 screens, 6 screens, 8 screens, 9 screens, 16 screens, 25 screens, 36 Screen, 49 screens, 64 screens.

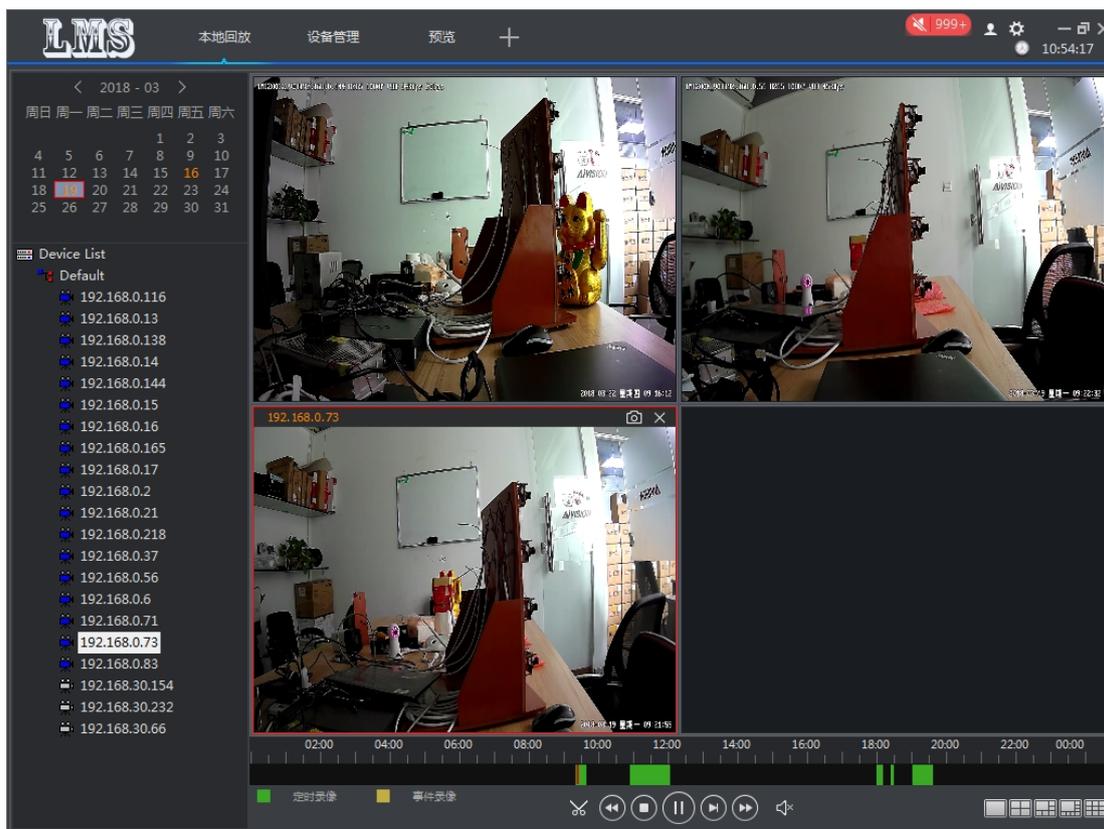


## 6.4.11 Round tour

Click the corresponding round tour in the toolbar below the preview live stream. button, One-way and four-way rounds are available.



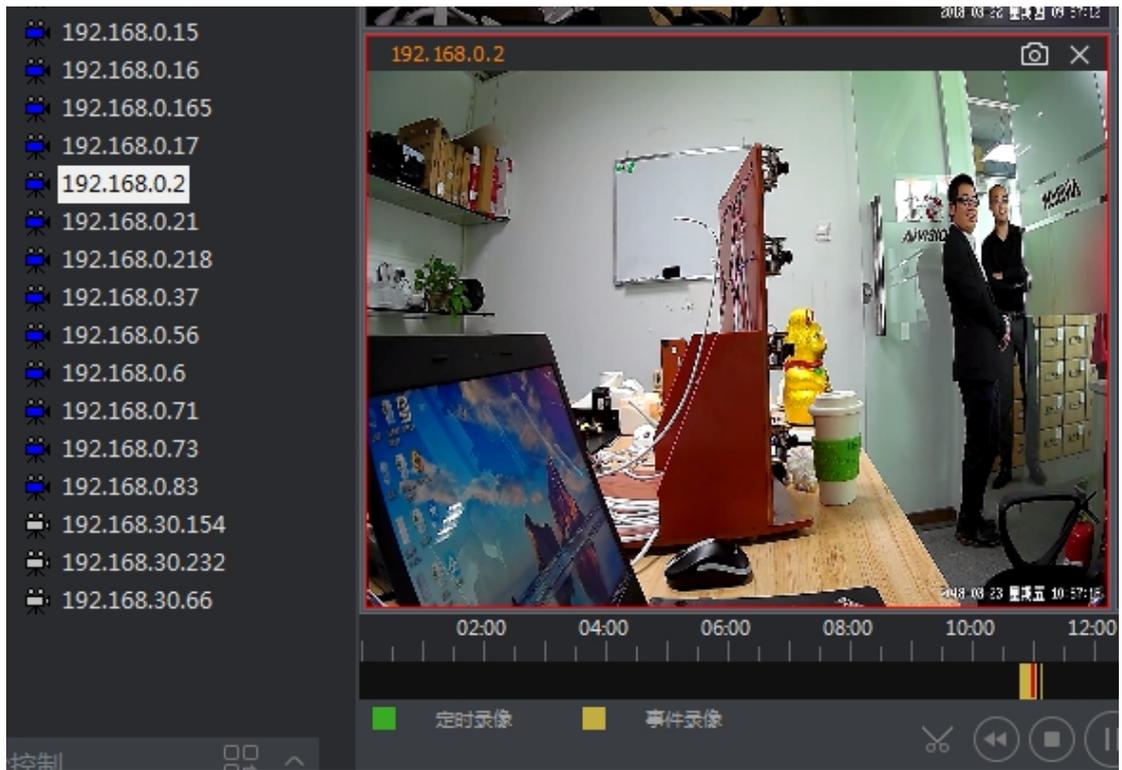
## 7. Local playback



Local playback is playback of the recordings in the recording schedule configured in [Configuration Management] -> [Recording Schedule], and the local recording files are saved in the local computer. In the playback window, the user can operate the toolbar below the player to implement time clip (reservation), rewind, stop, pause/play, frame advance, fast forward, sound and other functions. It can perform 1 picture, 4 picture, 6 picture, 8 picture, 9 picture simultaneous playback and different time period playback. Capture images are stored by default in the \LMS\SnapShot file, or you can view them in [System Settings] -> [Snapshot Directory].



① The device list selects the corresponding IP, and the background color of the video will change to orange on the calendar , The video progress bar will also appear in green (timed recording) or yellow (event recording) as shown below;



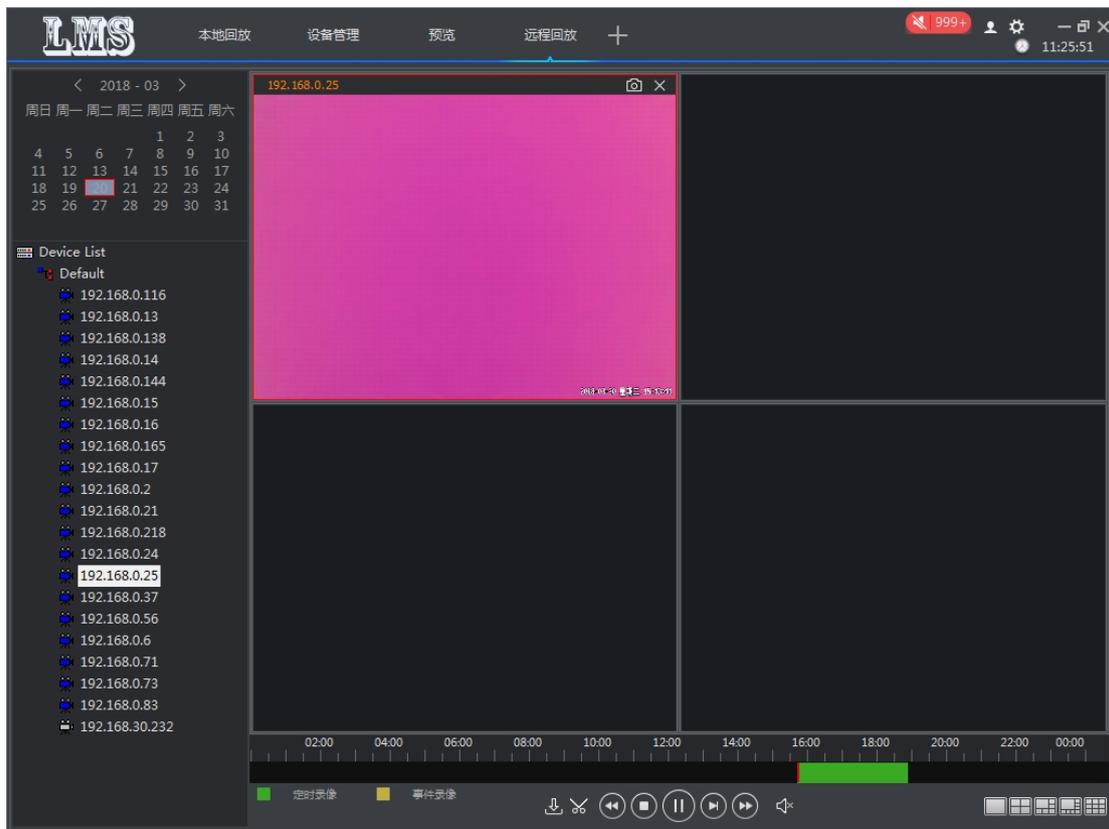
② Select the corresponding date and double-click on the IP to play the local recording of the playback device.

Note:



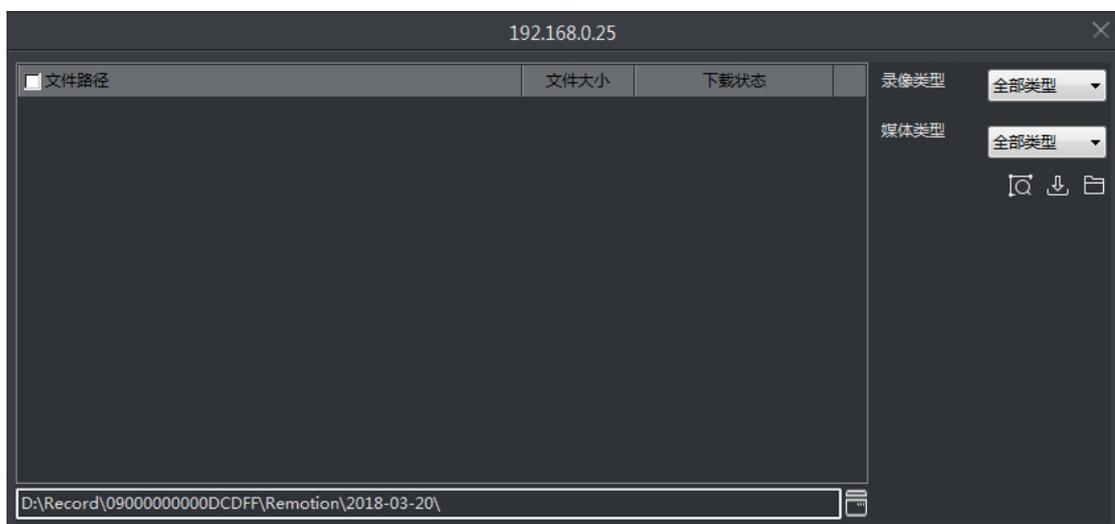
There is a shortcut to capture and turn off channel playback in the upper right corner of the video.

## 8. Remote playback



The remote playback device requires the device to have external storage. You can directly play back the front-end recording file by double-clicking the recorded video file. In the playback window, the user can operate the toolbar below the player to download video, time clip (reservation), rewind, stop, pause/play, frame advance, fast forward, sound and other functions. It can perform 1 picture, 4 picture, 6 picture, 8 picture, 9 picture simultaneous playback and different time period playback. Capture images are stored by default in the \LMS\SnapShot file, or you can view them in [System Settings] -> [Snapshot Directory].

click  The following window can be popped up, as shown below:





, Can search for the corresponding file



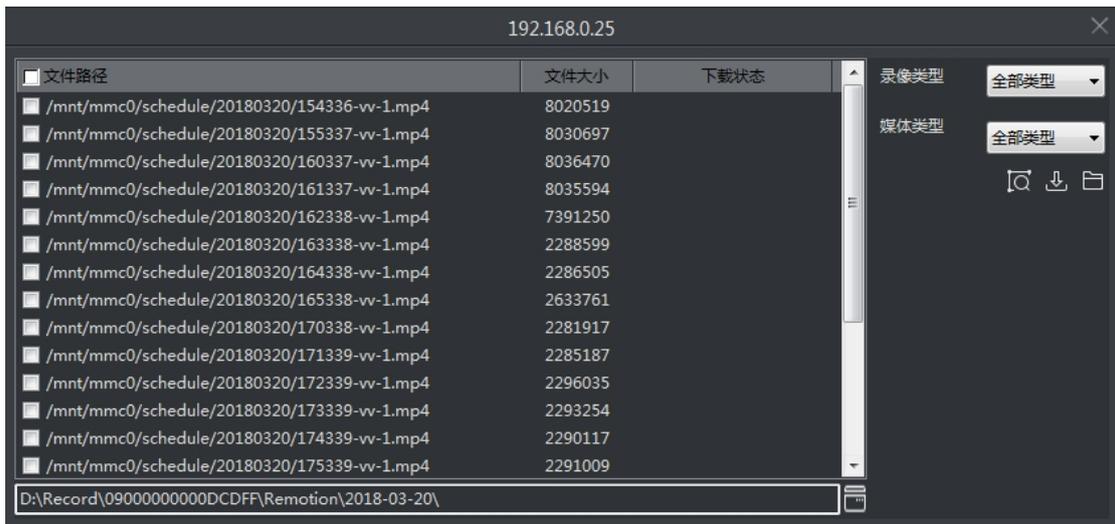
, The corresponding firmware can be downloaded



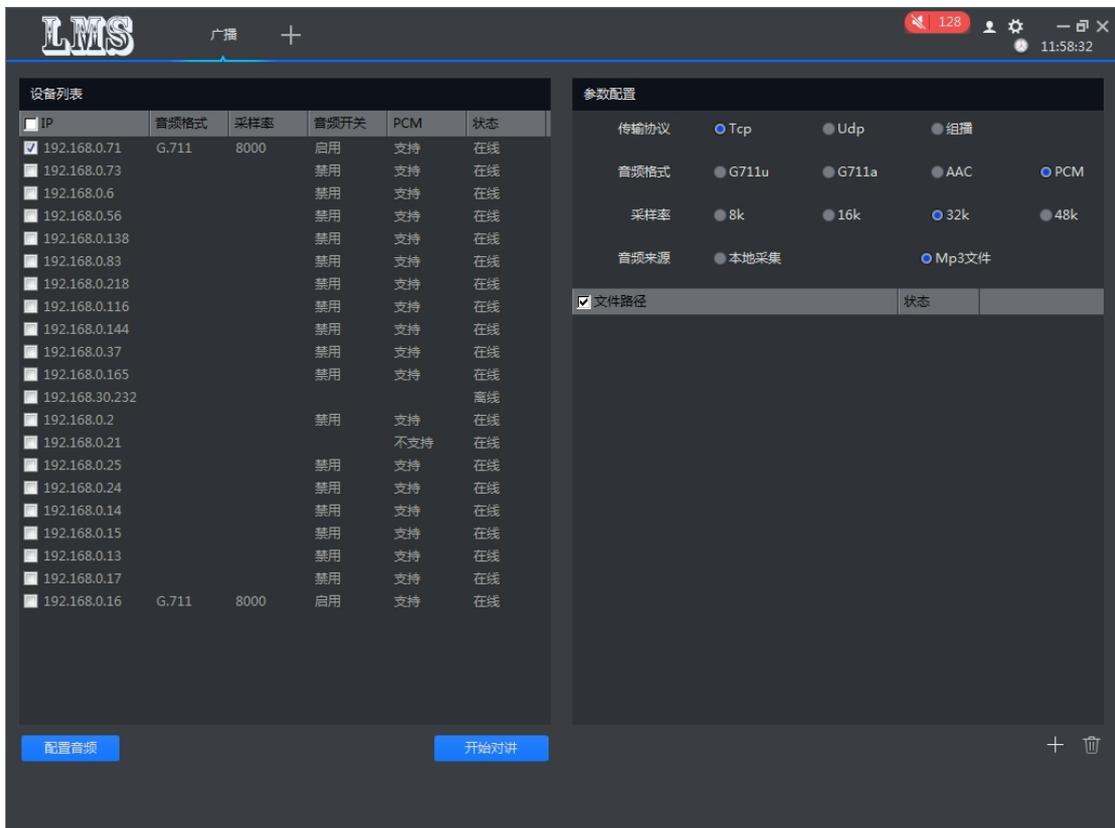
, Can open the corresponding file directory



, Can change the export file directory



## 9.Broadcast





: Add or delete MP3 file

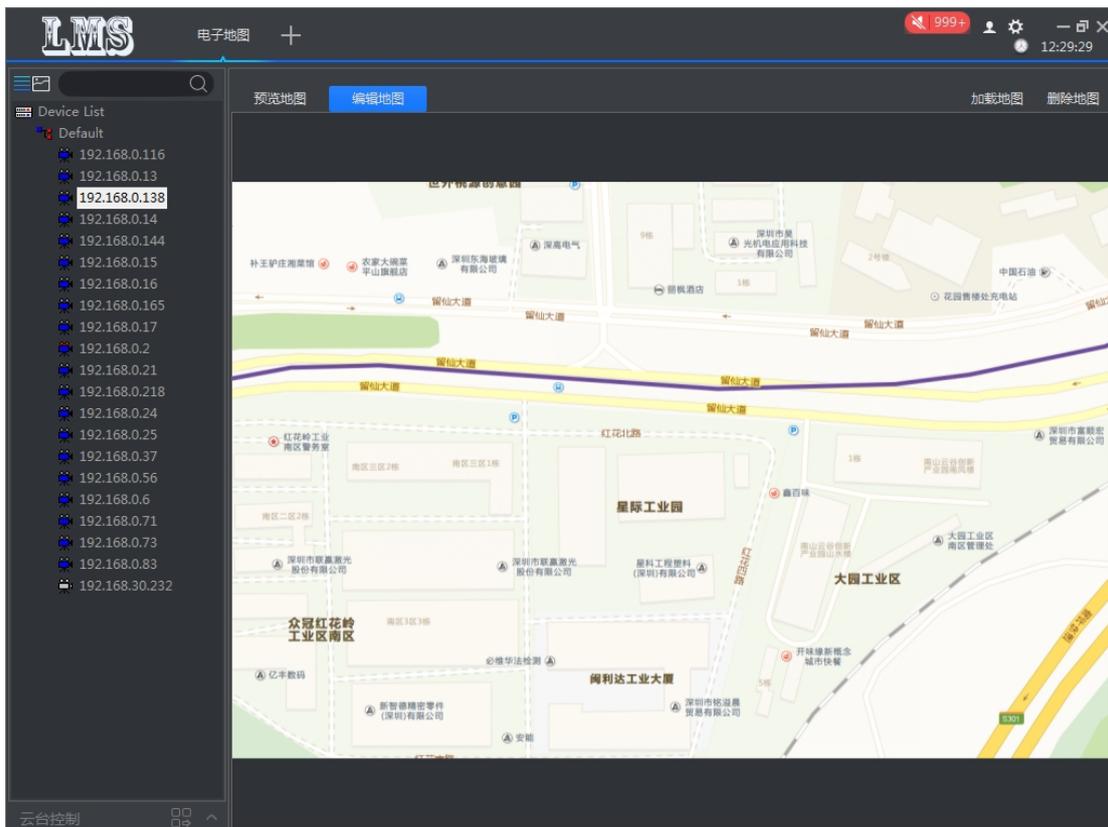


: Configure audio transmission protocol, audio format, sample rate



: Divided into local collection and MP3 files, real-time intercom and MP3 playback

## 10. Digital map



### 10.1 Load map and delete map

Select the map of the appropriate size and click "Load Map" to add it;

Click "Delete Map" to delete the current map.

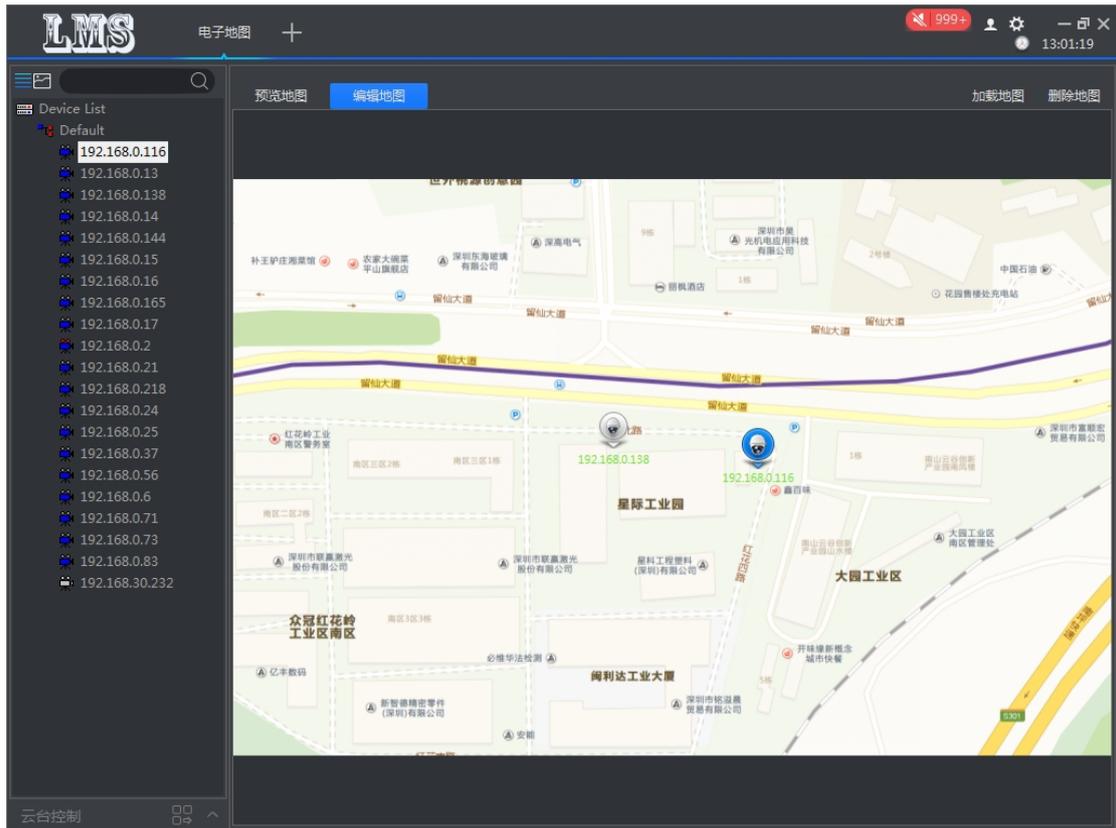
### 10.2 Edit map

Add and delete monitoring points on the map

#### 10.2.1 Monitoring point addition

Select the device in the tree view on the left and drag it to the appropriate location on the map.

Dragging the device on the way to  , it becomes  。



### 10.2.1 Monitoring point deletion

Select the monitoring point and right click to delete the hotspot.



### 10.3 Preview map

Double-click the monitoring device to see the real-time picture of the monitoring point, switch and capture the main sub-code stream.



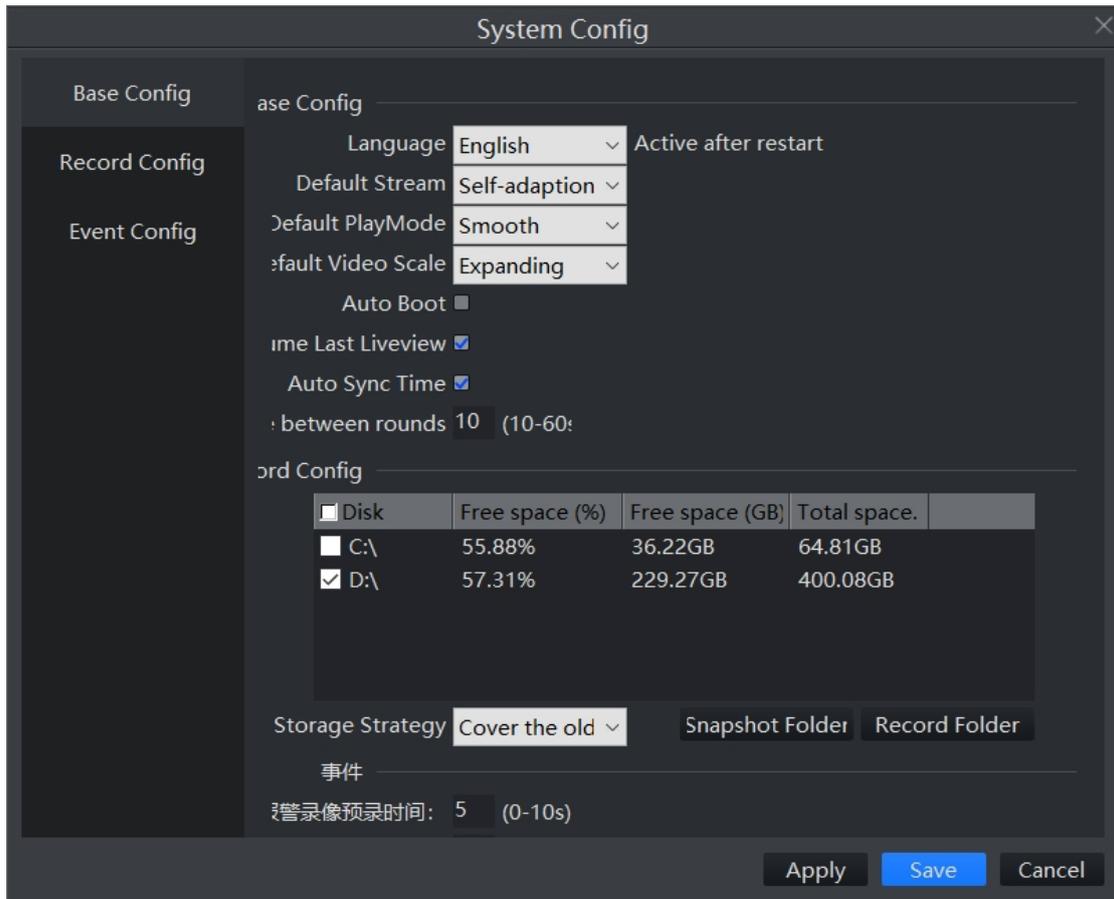
## 11.Alarm

索引	报警时间	报警类型	名称
3711	2018-03-23 13:17:17	移动告警	192.168.0.116
3710	2018-03-23 13:17:16	移动告警	192.168.0.116
3709	2018-03-23 13:17:15	移动告警	192.168.0.116
3708	2018-03-23 13:17:14	移动告警	192.168.0.116
3707	2018-03-23 13:17:11	移动告警	192.168.0.116
3706	2018-03-23 13:17:10	移动告警	192.168.0.116
3705	2018-03-23 13:17:09	移动告警	192.168.0.116
3704	2018-03-23 13:17:08	移动告警	192.168.0.116
3703	2018-03-23 13:17:07	移动告警	192.168.0.116
3702	2018-03-23 13:17:06	移动告警	192.168.0.116
3701	2018-03-23 13:17:05	移动告警	192.168.0.116
3700	2018-03-23 13:17:03	移动告警	192.168.0.116
3699	2018-03-23 13:17:02	移动告警	192.168.0.116
3698	2018-03-23 13:17:01	移动告警	192.168.0.116
3697	2018-03-23 13:17:00	移动告警	192.168.0.116
3696	2018-03-23 13:16:59	移动告警	192.168.0.116
3695	2018-03-23 13:16:57	移动告警	192.168.0.116
3694	2018-03-23 13:16:56	移动告警	192.168.0.116
3693	2018-03-23 13:16:55	移动告警	192.168.0.116
3692	2018-03-23 13:16:54	移动告警	192.168.0.116
3691	2018-03-23 13:14:11	未知类型	192.168.0.2
3690	2018-03-23 13:15:05	未知类型	192.168.0.144

Device alarm information is recorded and a warning is issued



## 12. System settings



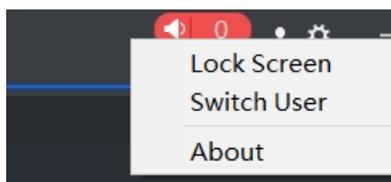
### 12.1 Basic configuration

Configure system language, default stream, playback mode, video ratio, etc.

### 12.2 Video configuration

The storage status of the disk and the path to modify the video storage, the way to capture and record the directory quickly

## 13. Others



Lock screen, switch users, about version information



Current time



Minimize, maximize/restore, shut down the system