

VMS Client User's Manual

Version 1.3.0

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Welcome

Thank you for using our Video Management System (VMS)!

This user's manual is designed to be a reference tool for operation of your system.

Here you can find detailed operation information about VMS.

1 Overview

1.1 Intro to the Product

VMS Client is software for user to manage VMS and it has the following functions:

- Multi-device, multi-channel real time monitoring and record playback
- E-map function allows user to position the device at any time.
- Bidirectional talk allows client to communicate with front-end device and broadcast.
- Easy management over wall display with synchronous display.
- Customize monitoring plan and supports multi-channel/window video tour.
- Alarm activation with alarm video
- Mouse simulating rocker to control PTZ
- Easy search of video with mark function
- Local snapshot
- Behavior analysis, face recognition, smart track and people count.

VMS Client currently has four formats:

- C/S format client, refer to Ch 2 to 6.
- B/S format client, refer to Ch 7.
- Android Client
- iOS Client

1.2 Requirement for Hardware

To install VMS, your PC shall match the following requirements. See Chart 1- 1.

Parameter	Requirement
OS	Microsoft Windows XP SP3, Microsoft Windows 7
CPU	Core 2 dual-core 3.0
Hard Disk	At least 10GB free space
Video Card	directX 9.0c and higher
Memory	At least 2GB
Monitor	1024×768 and higher
Explorer	IE7, IE8

Chart 1- 1

2 Install and Uninstall

2.1 Install

Please follow these steps to install VMS Client:

Step 1. Download and install the Client

- a) In Internet Explorer, input the IP address of VMS. System displays login interface of VMS Manager as in Figure 2- 1.

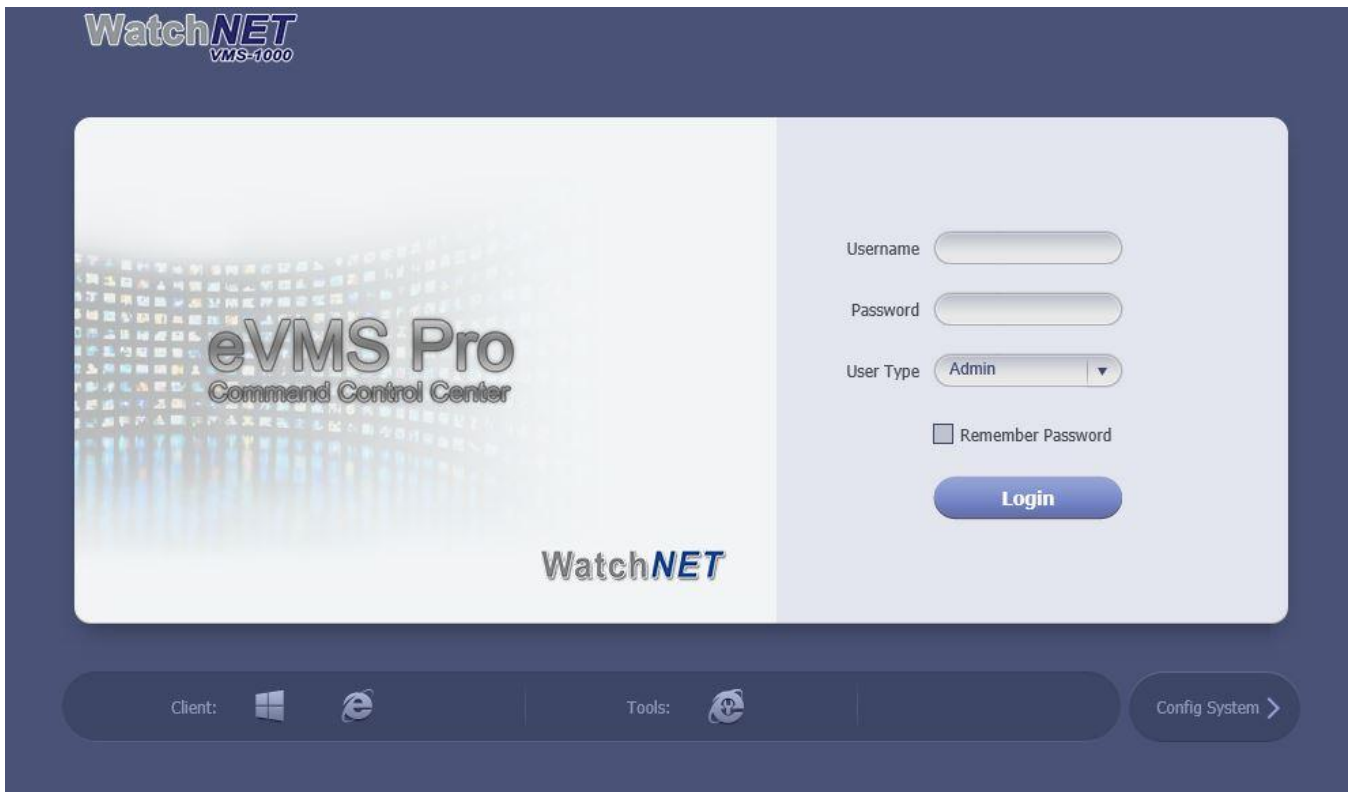





Figure 2- 1

- Click  to download VMS C/S client.
- Click  to download B/S client VMS0cx30 control.

- b) Click  Download Client-end. System pops up a box.
- c) Click Save.

Step 2. Extract the client, and double click  icon. System pops up a language selection box. System pops up a welcome box as in Figure 2- 2.



Figure 2- 2

Step 3. Click Next. System pops up an END-USER LICENSE AGREEMENT as in Figure 2- 3.

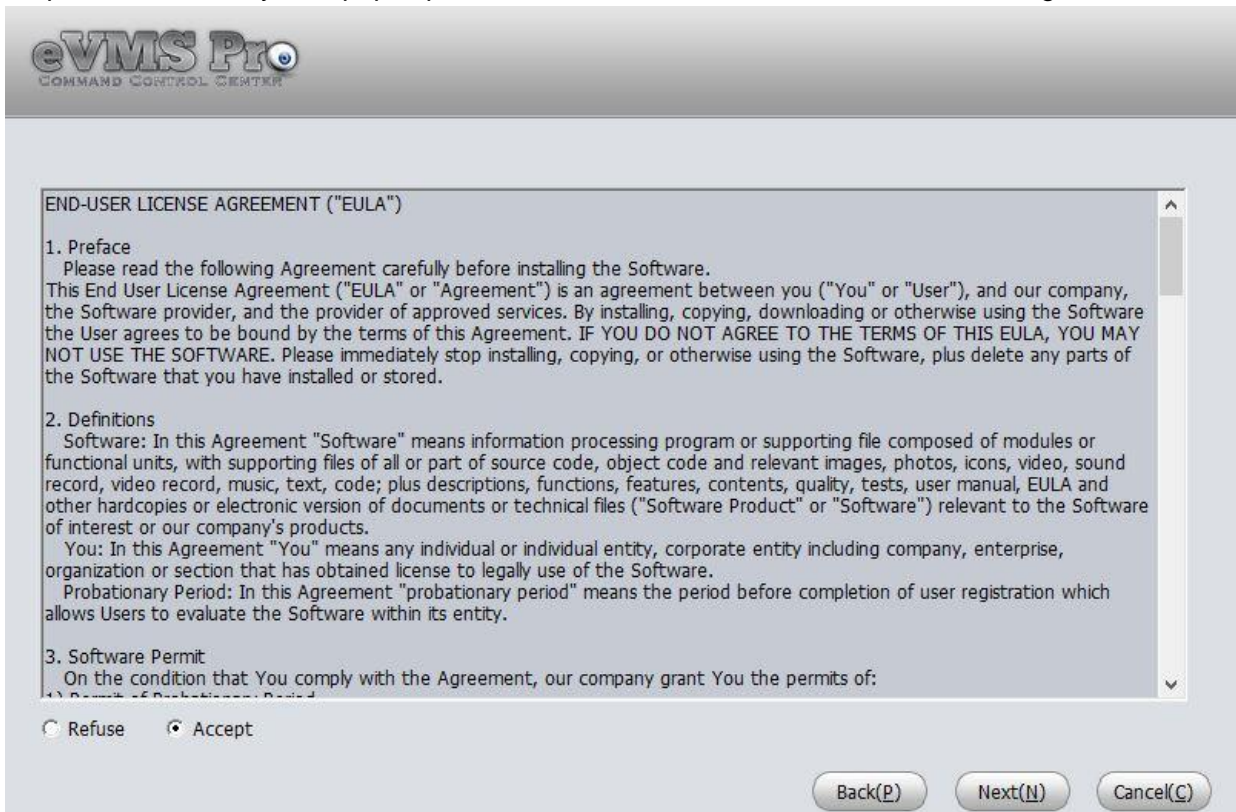


Figure 2- 3

Step 4. Select Accept and click Next. System pops up Destination Folder box as in Figure 2- 4.

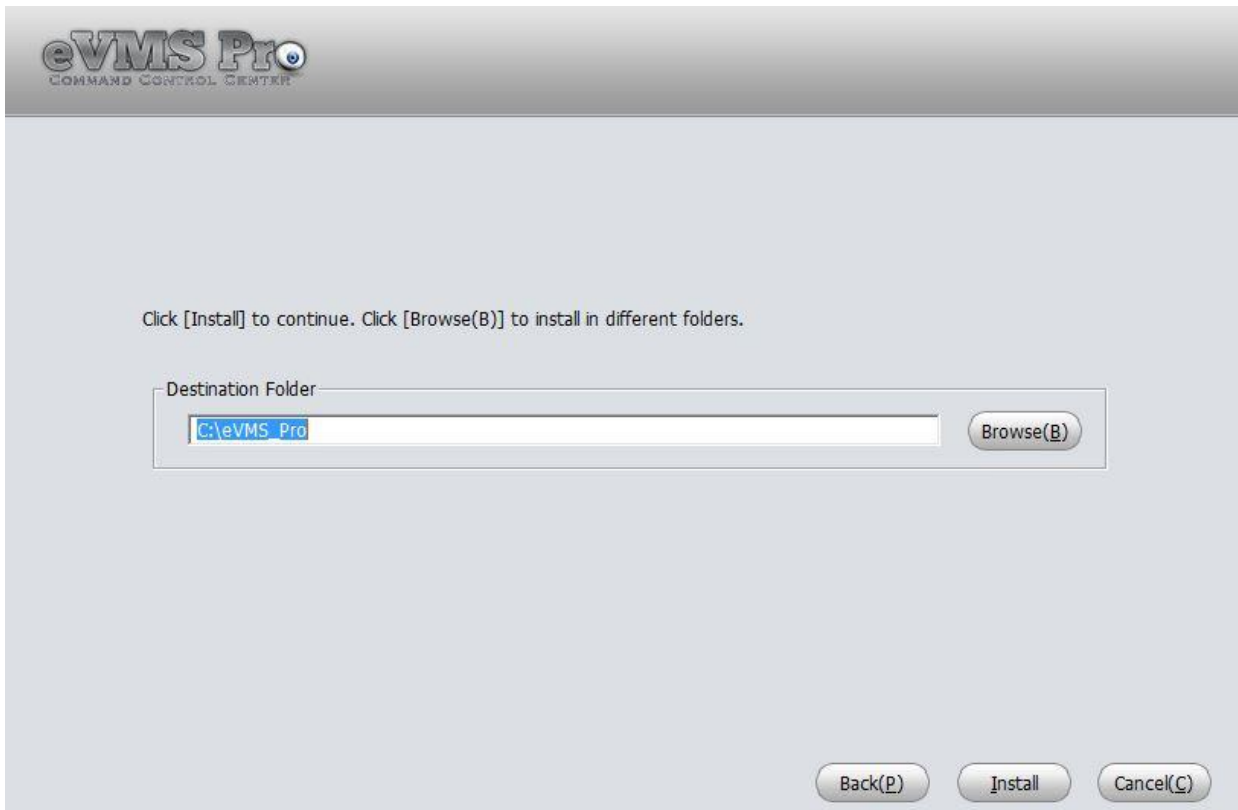


Figure 2- 4

Step 5. Select path to install Client. And click Install. System displays progress of installation as in Figure 2- 5. When installation is complete, system will say installation is successful.

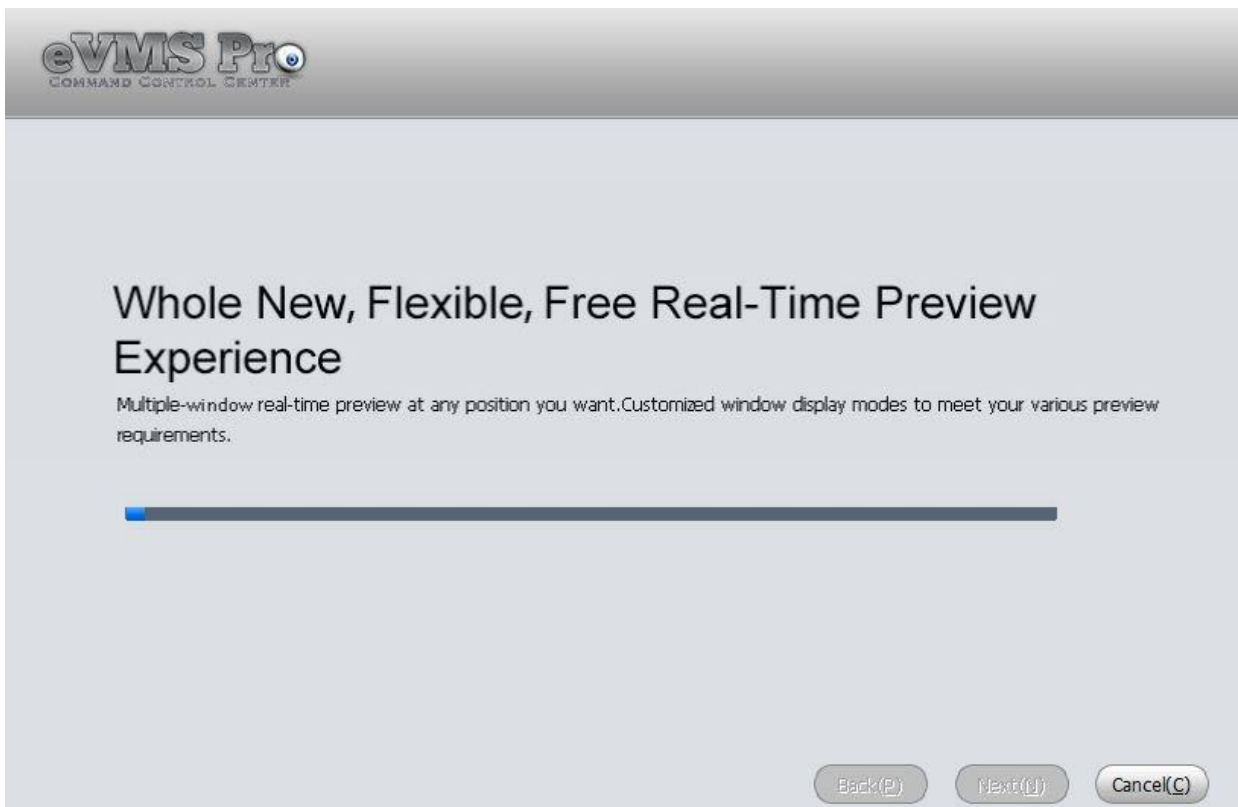


Figure 2- 5

Step 6. Click Finish.

2.2 Uninstall

You can follow these steps to uninstall VMS Client.

Step 1. Select Start>Programs>eVMS_Pro>Uninstall VMSCClient. System pops up a box as in Figure 2- 6.



Figure 2- 6

Step 2. Click Uninstall. System displays progress of uninstallation and system will say that VMS uninstallation is successful.

Step 3. Click OK.

3 Login C/S Client

3.1 Login Client

Note:

Before you login VMS Client, you must add user in General>Account, and also you must add rights of preview, playback, record download, PTZ and etc. to role of this user. Please refer to *VMS Manager User's Manual*.

You can login VMS Client following these steps:

Step 1. Select Start>Programs>eVMS_Pro>eVMS_Pro. System pops up the login interface as in Figure 3- 1.



Figure 3- 1

Step 2. Input Username and Password.


Step 3. Click Server, and input Server IP and Port. Server IP shall be the IP address of VMS.

Default port is 9000.

Step 4. Click Login. System pops up main interface as in Figure 3- 2.



Figure 3-2

- Click Log Off on the right of interface to switch user.
- Click Password to modify login password.
- Click  in the upper-right corner to lock account. To unlock, you need to input login password in box pops up.

4 Setup

4.1 Local Config

After you first login Client, you can Window Split, Connection Type, Bit Stream Type, Alarm Level Amount, Video Buffer Time, Snapshot Save Path, Max Record Path and Record Save Path and etc.











Step 1. Click **Local** in Setup Manager area. System enters Local Setup interface. See Figure 4-1.



Figure 4- 1

Parameter		Note
General	Default Window Split	Set preview, playback and others' default display modes.
	Alarm Level Amount	Max alarms in Alarm Manager. Default is 1000 items.
	Time Format	Set "12 Hour" or "24 Hour" standard.

Parameter		Note
Display Alarm Overlay Pane	Display Alarm Overlay Pane	 <p>Display it or not</p> <ul style="list-style-type: none"> ●  : real time display CPU status ●  : Real time display net status ●  : Quickly enter Alarm Manager>Alarm List interface. ●  : Quickly enter Alarm Manager>System Event interface. ●  : Quickly enter Alarm Manager>Offline Notice interface. ●  : Quickly enter alarm interface ●  : Prompt alarm device
	Sync Time	<p>Respond sync time or not:</p> <ul style="list-style-type: none"> ● Check: sync server time by Client. ● Not check: Do not sync server time.
	Display PTZ Button	Check it to display 8 keys of PTZ in window.
General	Empty Organization	If you create more than one organization on Manager, and the organizations have no device. Select this parameter, so Client displays name of the organizations.
	Auto Login	If select this parameter, then you will automatically login the client when you open it.
	Stay at the Last Frame of the Tour	If you select this parameter, then image stops at the last frame during tour.
	Self-adaptive Audio Talk Parameter	During talk, system can auto match device sampling frequency, sampling bit, and audio format.
	Auto Reboot	If you select this parameter, when PC boots up, the client boots up automatically.

Parameter		Note
	Enable Offline Alarm Sound	If you select this parameter, when you are offline, alarm sound is on. Default loop time is once.
Video	Connection Type	Request video mode.
	Bit Stream Type	Default bit stream when open video
	Play Mode	Select play mode accordingly. There are RT priority, fluency priority and balance first. Default video buffer time is 1500ms.
	Double Click on Real Time Window to Switch to Main Stream	Double click window to switch to main stream. Note: When window split is more than 9, double click a window to maximize window. Video stream will be switched to main stream.
	Display Error Info	When system has error or user encounters operation error, it shows a message box or not.
	Display Video Info	Display real time video bit rate and etc. in monitoring window or not.
Playback	Instant Playback Enable	Select this parameter to enable instant playback.
	RT Playback Time	Select real time playback time, default is 15s.
	Playback Preview Enable	Select this parameter, to enable preview.
Snapshot	Save Snapshot Picture Directly	Select this parameter, then you will not see a snapshot box pops up.

Parameter		Note
	Format of Save Capture	Picture storage format, as BMP and JPEG.
	Continuous Amount	Set amount of continuous snapshot.
	Continuous Interval	Set continuous snapshot interval.
	Snapshot Save Path	When you snapshot at local, storage path is set here.
Record	Max Record Time	Max record time of local recording.
	Record Save Path	Record storage path of local recording.
Version		View version info of the software.

Step 2. Set General, Snapshot and Record/Download info.

Step 3. Click Save.

Note:

Click Default will restore default settings.

4.2 Alarm Scheme

You can refer to the following steps to set alarm scheme.



- Click **Alarm Scheme** in Setup Manager area. System displays Alarm Scheme interface as in Figure 4- 2.

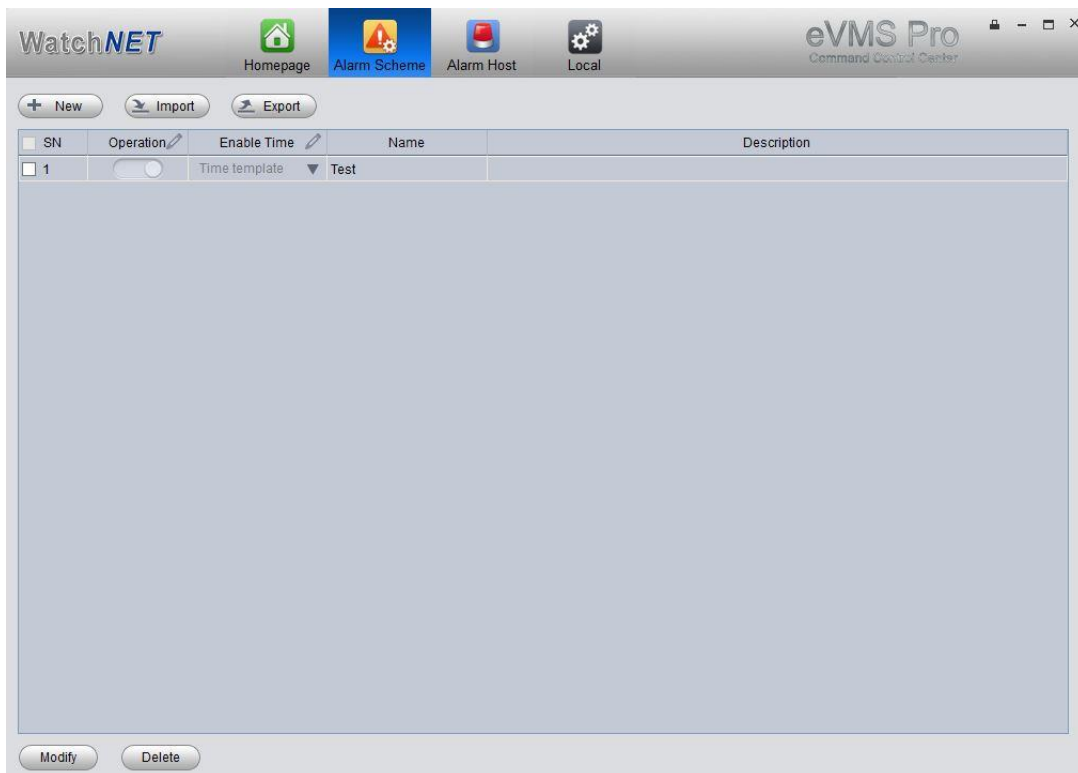
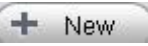


Figure 4- 2

- Set scheme info.
 - a) Click . System displays scheme info setup interface.
 - b) Input Scheme Name, Description, Time, Audio and Others as in Figure 4- 3.

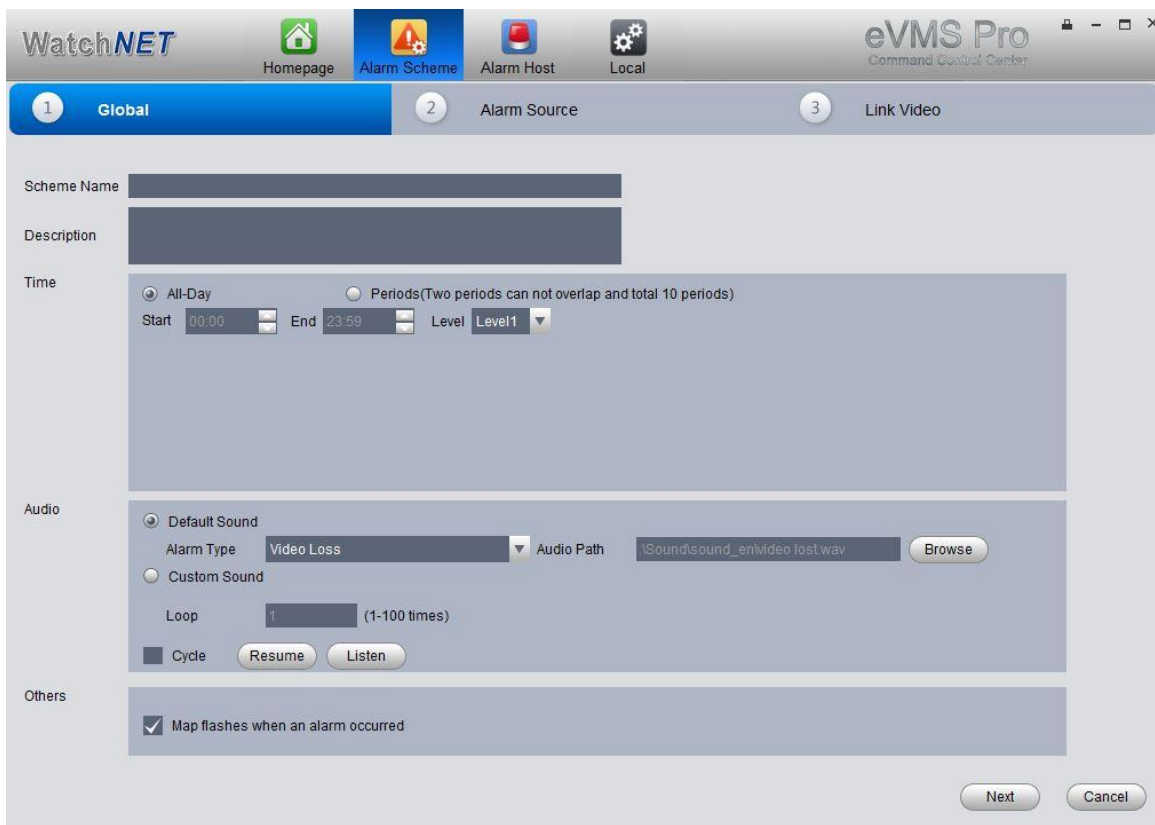


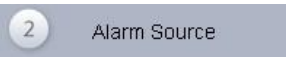



Figure 4- 3

Parameter	Note
Scheme Name	Set name of alarm scheme.
Description	Optional. It is the description of scheme you are adding.
Time	<p>Set period of arming, and select level. You can select:</p> <ul style="list-style-type: none"> • All-Day: All day is arming period. • Periods: Certain periods in a day are arming period. You can add period via  and delete period via . <p>Note: Remaining Time Level represents periods not covered by arming.</p>
Audio	<p>Set audio of alarm. You can set:</p> <ul style="list-style-type: none"> • Alarm Type: Select alarm type to set sound. • Audio Path: Select path of audio file by click Browse. • Loop: By selecting this cycle, alarm sound will be looped. • Listen: You can listen to the selected sound. • Resume: System can restore default setting of non-customizable alarm type.
Others	If check Map flashed when an alarm occurred, then when alarm occurs, it will flash on E-map.

- Set Alarm Source.
 - a) Click  or Next. System displays Alarm Source interface.
 - b) Select channel on the left, and in Alarm Type area, select alarm type to be armed.
 - c) Click . System will add alarm source to list on the right as in Figure 4- 4.

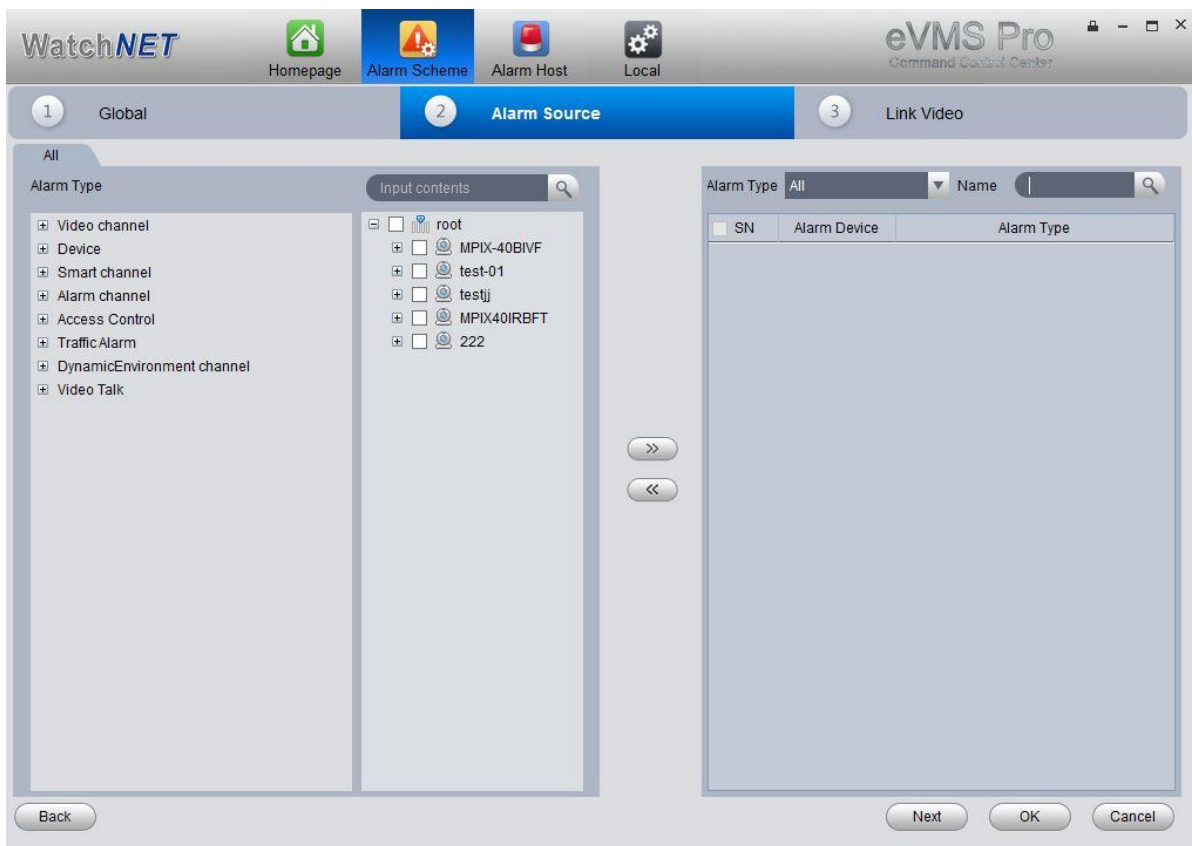


Figure 4- 4

Note:


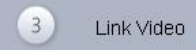



- If you want to delete alarm source, you shall select alarm source on the right, and click  to remove.
- For alarm scheme, link video is not required, you can click OK to finish setup.
- Set Link Video
 - a) Click  or Next. System displays Link Video interface.
 - b) Select alarm source on the left.
 - c) Select video channel under Link Video tab.
 - d) Click  to add selected link video to area on the right as in Figure 4- 5.



Figure 4- 5

Note:

- Double click Stay Time of added link video to edit its value.
- If you want to delete added link video, you can select it and click .
 - e) Select alarm output device under Alarm Output tab.
 - f) Select whether Auto Enable Output Device or not, input stay time. In device channel list, select channel and click  to add alarm output.

You also can check Auto Enable Output Device and edit stay time for added output items.

- g) Click OK. System displays added alarm scheme as in Figure 4- 6.

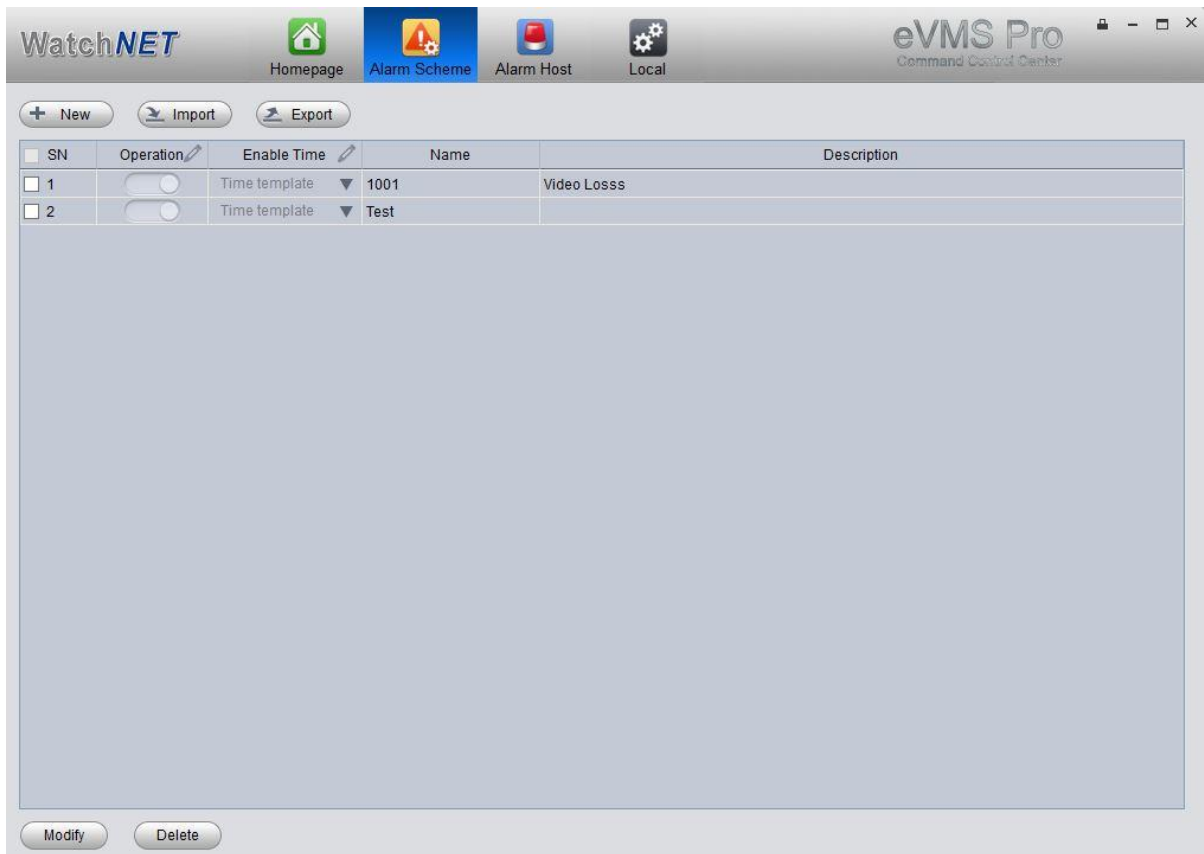

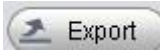


Figure 4- 6


- After you add alarm scheme, click operation bar, and close status turn to open. Click open can enable alarm scheme and click Enable Time to select time to enable.
- Click  to import old schemes. Click  to export scheme.
- Click Modify and Delete button in the lower left to edit or delete existing schemes.

4.3 Tour Task

You can set tour task to achieve tour over several windows. To set tour task:



Step 1. Click  in Setup Manager area. System displays Tour Task interface.

Step 2. Click . System displays add task interface.

Step 3. Input Task Name, Description and select Window No.

Step 4. Drag designated device on the right to left window for setup as in Figure 4- 7.

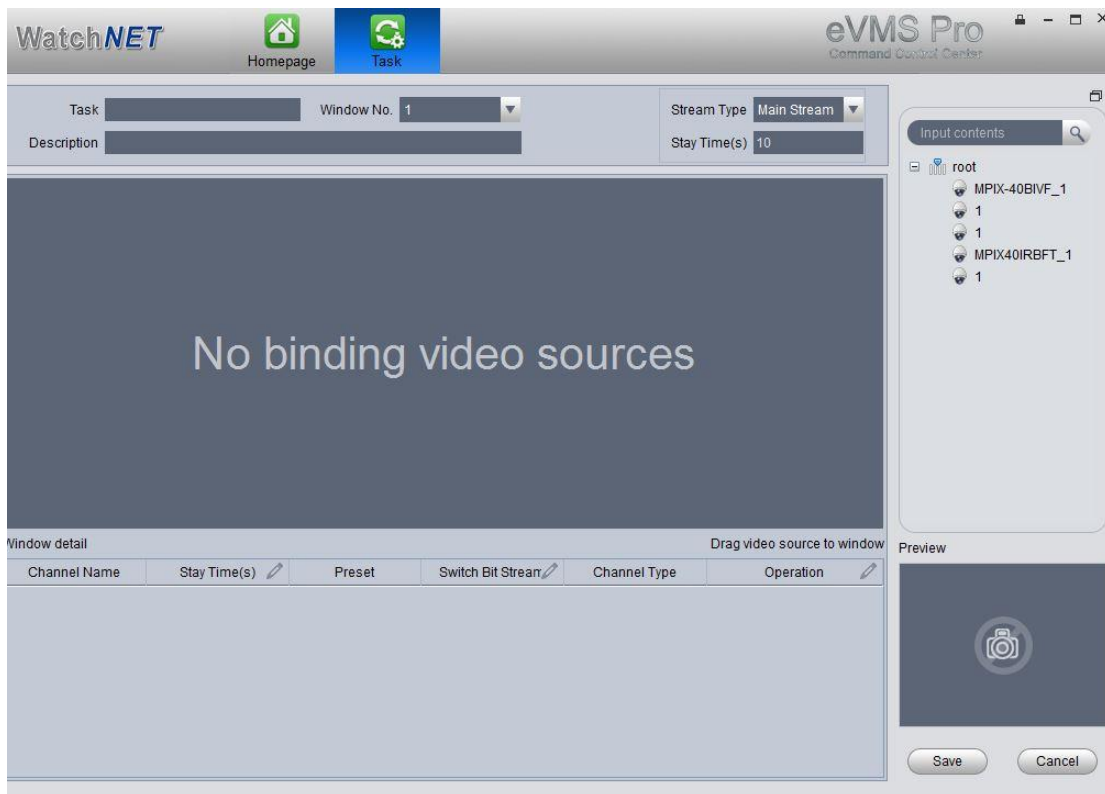
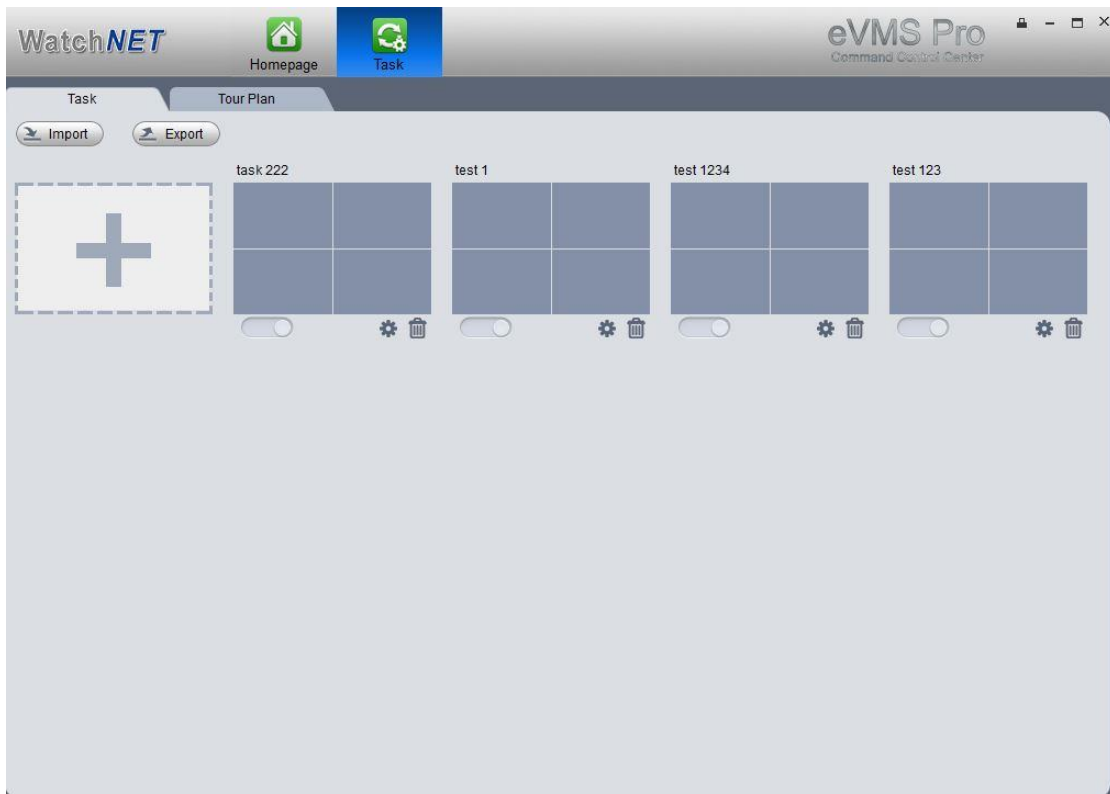
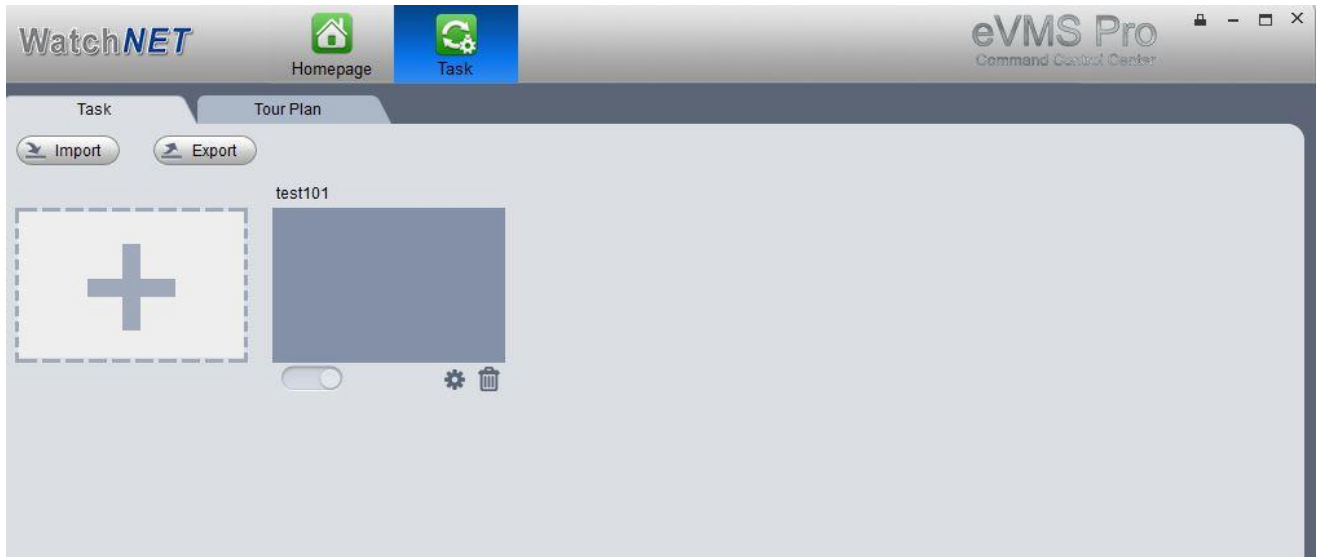


Figure 4- 7

- Click , so you can view video in Preview in the lower right to view it.
- Click  and  to adjust sequence, or click  to delete added channel on the left.


Step 5. Click OK.

See Figure 4- 8.



You can click Import and Export in Tour Task interface to import/export added task. You also can edit and delete added task by clicking on  and .

To enable tour task, there are two ways:

- In Tour Task interface, click  to turn on tour task. You can now view monitoring status of tour channel in Preview interface.
- In Preview interface, select tour task in the lower left, and click start.

When tour task starts, you can view monitoring video of device channel in Preview interface.

4.4 Local Data

You can search saved local data, as saved record and snapshot in Local Data interface.



Step 1. Click on . System pops up Local Data interface.

Step 2. On the right, select device channel.

Step 3. Config start time and end time. Select data type (picture, video) or use advanced search.

Step 4. Click on Search. See Figure 4- 9.

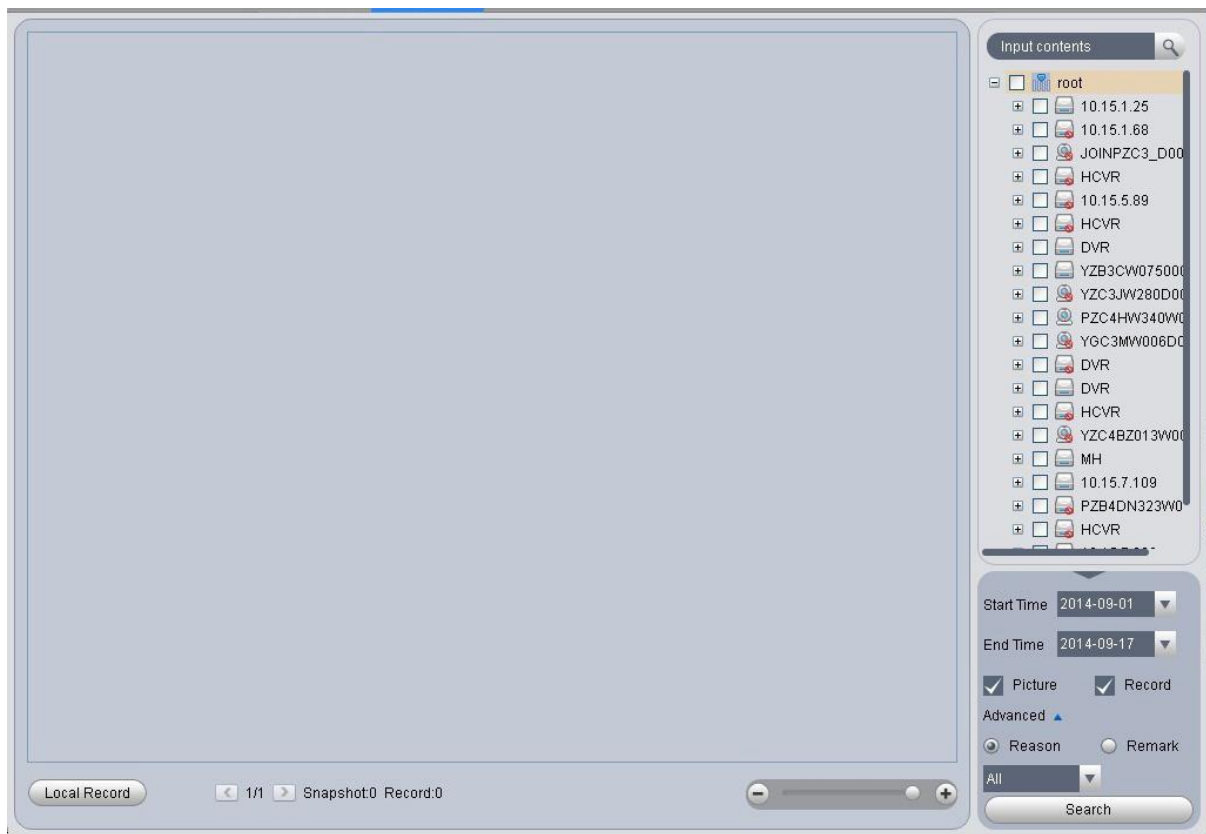



Figure 4- 9

- Right click searched picture or record, you can copy, cut and delete the picture or record. You also can open path where the picture and record stored.
- Double click picture, you can view detailed info of picture.
- Double click record, you can view detailed info of record and playback the record.
- Click Local Record in the lower left corner, you can open local record storage path.
- Click  to adjust picture size.

5 Operation

5.1 Preview


Via VMS Client, you can preview, record, snapshot, use PTZ and etc.

5.1.1 Real Time Monitoring

VMS Client supports real time preview.

Preview operation is as follows:









Step 1. Click  in Basic area. System displays Preview interface.

Step 2. Drag channel on the right to video window. Video window displays real time monitoring status as in Figure 5- 1.

Double click device to open all channels of the device. Right-click device to open video and switch main/sub streams.

No.	Parameter	Note
2	Video Window	Real time preview

No.	Parameter	Note
3	Window Task	Select and execute task. Note: <ul style="list-style-type: none"> ● After you add task in Tour Task, you can select corresponding task here and execute it. Please refer to Ch 4.3 for adding task in Tour Task. ● In video window, right click and select Save as Video Task, then you can select task here and execute it.
4	Window Split Mode	It is used to split window. You can drag progress bar or click  to split window. There are ten modes ranging from 1-window to 64-window.
	Aspect Ratio	Select window's aspect ratio to adjust window.
	Full Screen	Switch video window to full screen mode. To exit full screen, you can double window or press Esc button or right-click to exit full screen.
1	Bit Stream and Shortcut	It displays bit stream info and operation shortcut. Shortcuts are as follows: <ul style="list-style-type: none"> ●  : Turn on/off sound. ●  : Turn on/off MIC. ●  : Turn on/off record. ●  : Snapshot.
5	Output to Wall	 : Output to wall.

Step 3. Right click preview window, you can set current preview window as in Figure 5- 2.



Figure 5- 2


Parameter	Note
Close Video	Close current video
Close All Video	Close all video
Start Local Record	Save current video as record file on local PC.
Start Record	Save current video as record file on CMS.
Snapshot	Save image of current video as picture into folder (save one each period)
Continuous Snapshot	Save image of current video as picture into folder (save three each period)
Stream Type	Switch between main stream, sub stream and third stream.
RT/Fluency	Switch between RT priority and fluency priority.
Picture Setup	It adjusts brightness, contrast and etc.
Fisheye Installation Mode	Wall mount, in-ceiling and grounding.

Parameter	Note
Fisheye View	Fisheye view has different installation modes with different angles.
Focus	For IPC with this function, adjust its focus, zoom and auto focusing.
Audio Enable	Enable or disable audio of camera.
Audio Talk Enable	Enable or disable talk of device.
IVS Overlay	Set whether rule and object box in window.
Save as Video Task	Save layout of current window and video source as a tour task. After save it, you can preview it from the dropdown list in the lower left in Preview interface.
Full-Screen	It switched video to full screen. To exit full screen, you can double click or select exit full-screen.


5.1.2 Record

VMS Client supports real time preview and record at the same time.

Local record steps are as follows:

Step 1. Right click window in Preview interface and select Start Record or click  to record.

Step 2. When record starts,  becomes .


Step 3. When you want to end record, right click window and select Stop Record or click  on the upper right to stop.

Default storage path of record is C:\VMSClient\Record\. You can go to Setup Manager>Local Setup>Record/Download to edit Max Record Time and Record Save Path.

VMS series Client supports management of local record file, please refer to Ch 4.4.

5.1.3 Snapshot

In Preview interface, you can refer to the following steps to snapshot.

Step 1. Right click window in Preview interface, and select Snapshot or click  to snapshot.

System pops up a Snapshot box as in Figure 5- 3.

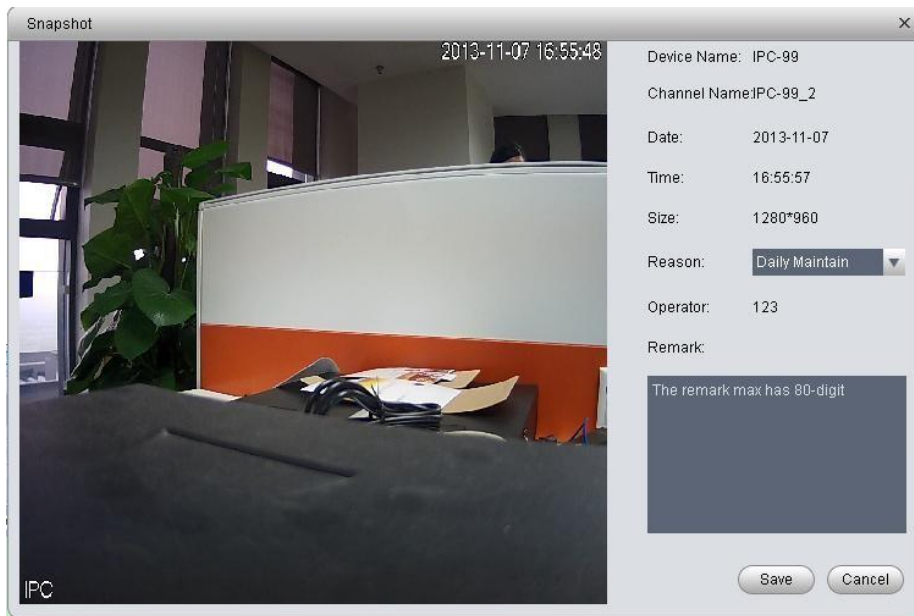


Figure 5- 3

Step 2. Input Reason and Remark.

Step 3. Click Save. System says snapshot is successful.

Step 4. You also can right click window and select Continuous snapshot to snap more than one picture.

Step 5. System default picture storage path is C:\VMSCClient\Picture\. You can go to Setup Manager>Local Setup>Snapshot to edit Continuous Time, Continuous Interval and Snapshot Save Path.

Step 6. You can view local record file and snapshot by referring to Ch 4.4.

5.1.4 Add Channel to Favorites

By adding channel to favorites, you can quickly open preview channel.

Step 1. In Preview interface, click Org on the right, and select Favorite. System displays Favorite interface.

Step 2. Right click root to display.

Step 3. Select device channel, select Add to Favorites. See Figure 5- 4.



Figure 5- 4

Step 4. In dropdown list, select Add Position.

- If select Favorites, channel will be added into Favorites root directory.

- If select other folder, you can click New Folder to create new one.

Step 5. Click OK.






Step 6. Click Favorite and click  to save. You can view channel added to favorite in Favorite tab, see Figure 5- 5.



Figure 5- 5







- Double click folder to quickly view all channels under this folder.
- You can also select Favorite tab, click  to create new folder. Click window in preview, click  and  to add the channel to Favorites.
- If you want to delete channel in Favorites, select the channel or folder and click  to delete.

5.1.5 PTZ

If device type is speed dome, then you can click PTZ tab in the interface to set PTZ as in Figure 5- 6.



Figure 5- 6

Parameter	Note
	<p>Click  to lock current PTZ. Lock status is .</p> <p>Based on current user level, control over PTZ may vary.</p> <ul style="list-style-type: none"> ●When low-level user lock the PTZ, high-level user can click  to unlock. ●When high-level user lock the PTZ, low-level user cannot unlock it until it is automatically unlocked. ●User of same level can unlock PTZ that lock by each other. <p>Note: PTZ default unlock time is 30s.</p>
	Control speed dome with mouse.
Direction key	It sets rotation direction of PTZ in eight directions as up, down, left, right, upper left, upper-right, lower-left, lower-right.
	<p>Partial zoom for zoom in/out of certain area.</p> <p>Note: This function can only be controller with mouse.</p>
Step Length	It controls rotation speed of PTZ in 1~ 8 directions with different step lengths.
Zoom	It controls zoom of speed dome.
Focus	It adjusts focus.
Iris	It adjusts brightness.
Preset	Via setting preset, you can rotate camera toward position of the preset.
Tour	<p>Via setting tour, you can tour camera among different presets.</p> <p>Note: This function does not require support from speed dome, but speed dome must support preset.</p>
Aux	It adjusts light, wiper, PTZ menu, auto rotation, aux 1, aux 2 and IR light.

- Preset

By setting preset, you can rotate camera toward position of preset. To add preset:

Step 1. Click direction key on PTZ to rotate camera.

Step 2. Click Preset tab.

Step 3. Click Add. System pops up Preset Setup interface.

Step 4. Input SN and Name as in Figure 5- 7.

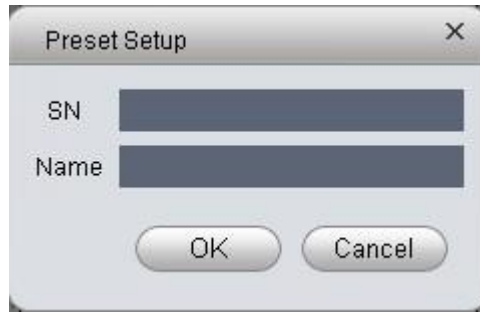


Figure 5- 7

Step 5. Click OK.

When you need to rotate the camera toward designated position, you just need to select direction from the dropdown list, and click Go.

- Tour

Via set Tour, you can make camera tour among different presets.

Note: There must be at least two presets for tour.

To add tour:

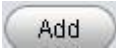

Step 1. In PTZ interface, click Tour tab.

Step 2. Click Add. System pops up a new tour box.

Step 3. Input name and SN. In All Presets area on the left, select preset, and click Add. System adds presets on the left to list on the right as in Figure 5- 8.



Figure 5- 8

-  Select preset on the left, click this button, presets will be added into list on the right.
-  Select preset on the right, click this button, presets will be deleted from the list on the right.
- Modify Stay Time, click Stay Time column of presets on the right to modify it. It ranges from 3s ~ 6000s.

Step 4. Click OK. System will say it is successfully saved.

Step 5. Click OK.

When you want to start tour, in Tour tab, select tour from dropdown list and click Start.

5.2 Playback


VMS Client supports playback, download record files.

5.2.1 Playback

You can search different channel, different time, and different types of record, and play the record.

To play record:



Step 1. In Basic area, click . System displays playback interface.









Step 2. In the upper-right corner, select Device, Center, or Period, and check device channel.








- Device: record saved on front-end device's SD card or DVR's hard disk.
- Center: record saved on network storage server or VMS's hard disk.
- Period: Divide record in searched period by period, and display them in each window, please refer to Ch 5.2.2.

If there is record, then it shows different color in calendar.



Step 3. Click  in the lower-left to select record type.

Step 4. Click Search. After search is finished, channels with record will be displayed in time progress bar as in Figure 5- 9. If no record is found, system will inform you.

No.	Interface	Note
1	Record Playback Window	Window of record playback.
2	Quick Operation Bar	<p>You can select:</p> <ul style="list-style-type: none"> •  : Mark Manager •  , Mark current record •  , Download record in the channel •  , Snapshot •  , Close record of current channel
3	Device List	It displays device and channel
4	Date	Select date of record.
5	Download and Manage	<ul style="list-style-type: none"> •  : Select download record by time or by file. •  : Manage record progress of download or stop downloading.
6	Time Progress Bar	It adjust time axis of zoom in/out.
7	Record Playback Type and Time Progress Bar	<ul style="list-style-type: none"> • It is to select playback record type and time axis. • Click  to select record type.

No.	Interface	Note
8	Play Tool Bar	<p>You can select parameter:</p> <ul style="list-style-type: none"> • , Window sync playback button. When it is in this status, tool bar works for all windows. • , When it is in this status, tool bar works for currently selected window only. • , Pause or play. • , Stop play • , Go to next frame • , Control speed of playback •  It adjusts volume.
9	Window Display Mode	It sets split mode, aspect ratio, and full screen of window. You can drag progress bar and select from ten modes ranging from 1 to 36 windows.

Step 5. Select channel to playback, click  to play record.

If you want to playback other channel's record, you shall click  in the lower right, and select designated channel. Click  to play and system will play corresponding record as in Figure 5- 10.

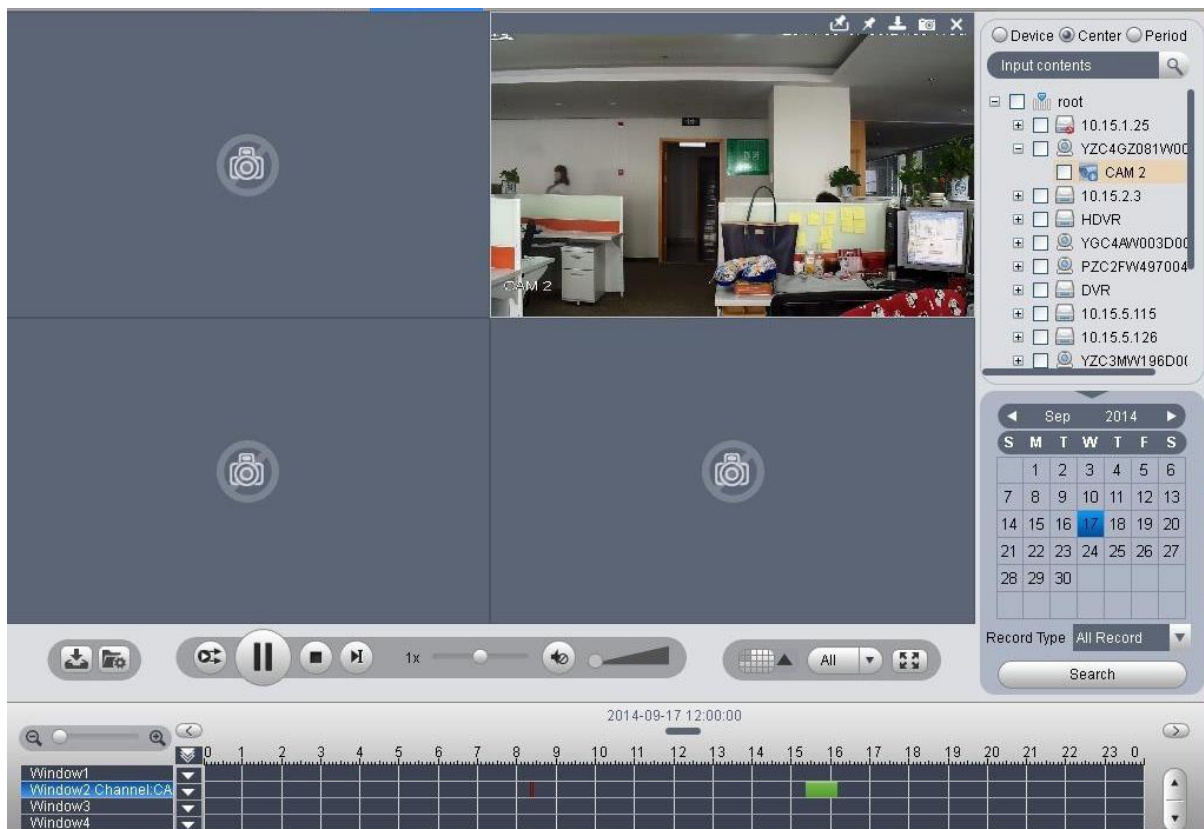


Figure 5- 10

5.2.2 Playback by Period

VMS Client divides record in searched period by period, and displays them in each window.

Step 1. In Playback interface, select Period in the upper-right.

Step 2. Input Channel Name, and click .

Step 3. Select a channel.

Note: System support only one channel if by period.

Step 4. Set Start Time and End Time.

Step 5. Set number of playback windows.

Step 6. Click Search. System shows interface in Figure 5- 11




Figure 5- 11

5.2.3 Mark Record

Via marking record, you can create bookmark in designated record.

To mark record:

Step 1. Click  in Playback interface. System pops up a Add Mark box as in Figure 5- 12.

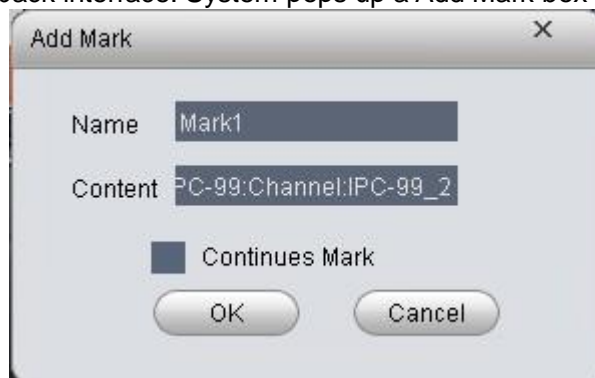


Figure 5- 12

Step 2. Input Name and Content, click OK. System pops up box saying mark successfully. Select Continuous Mark to continuously mark current record.

Step 3. Click  in playback window. System pops up a Mark Manager box as in Figure 5- 13.



Figure 5- 13

Select record, click , and , you may playback, delete and edit the record. For marked record, it displays in progress bar in playback window,as in Figure 5- 14. Click , you can play marked record file.



Figure 5- 14

VMS Client supports search, playback, edit and delete marked record, please refer to Ch 6.6.

5.2.4 Download File

During record playback, you can download designated file to local. To download record:

Step 1. Click in the upper-left corner in playback window. System pops up an File Download box as in Figure 5- 15.

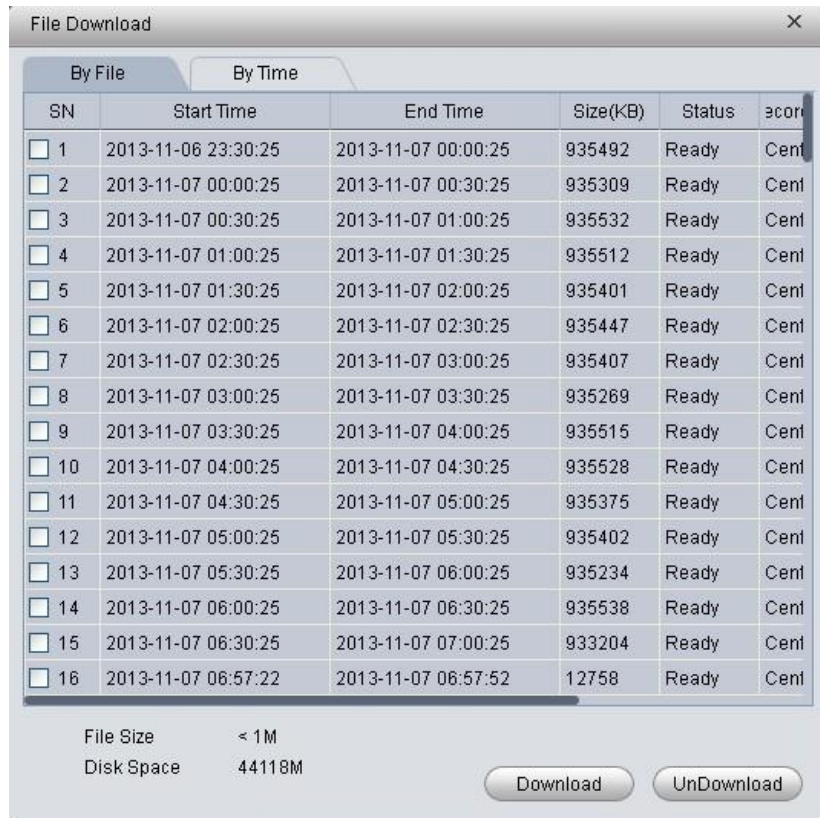


Figure 5- 15

Step 2. Check file to download, and click Download. System starts to download file, status become downloading. You also can click By Time tab, select period and download by time.

Step 3. Click Manage in Playback interface. System displays Manage interface as in Figure 5- 16.

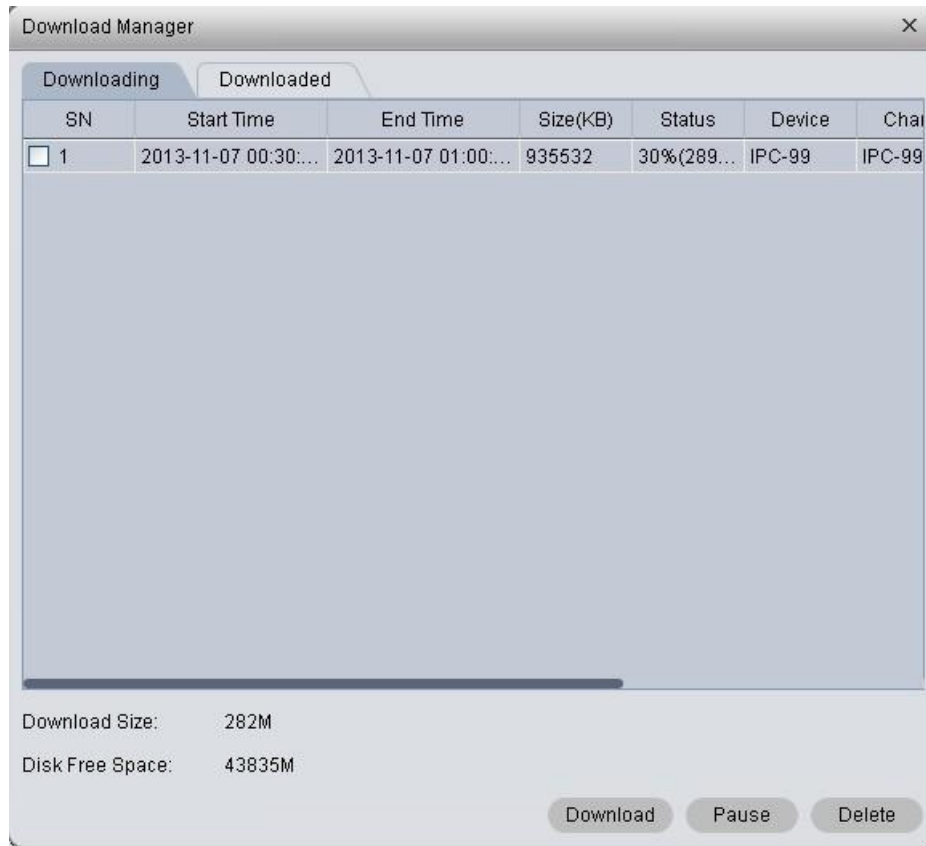


Figure 5- 16

You can view progress of downloading file, and check downloading file to pause or delete it.

5.3 Map

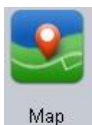
VMS series Client supports device display on map with video monitoring and record playback.

Note:

You shall add map at Business>Map on VMS Manager and add device onto map. Please refer to Ch 7.3 in VMS Manager User's Manual.

5.3.1 Super Map

If you set super map at VMS initialization, then you can monitor, playback, output video to wall and lock record on Client. Please refer to Ch 2.2 Step 10 in VMS Platform Initialization User's Manual.



Step 1. Click  in Basic area. System shows Map interface.

Step 2. Enter video device channel name in search field on the right. See Figure 5- 17.

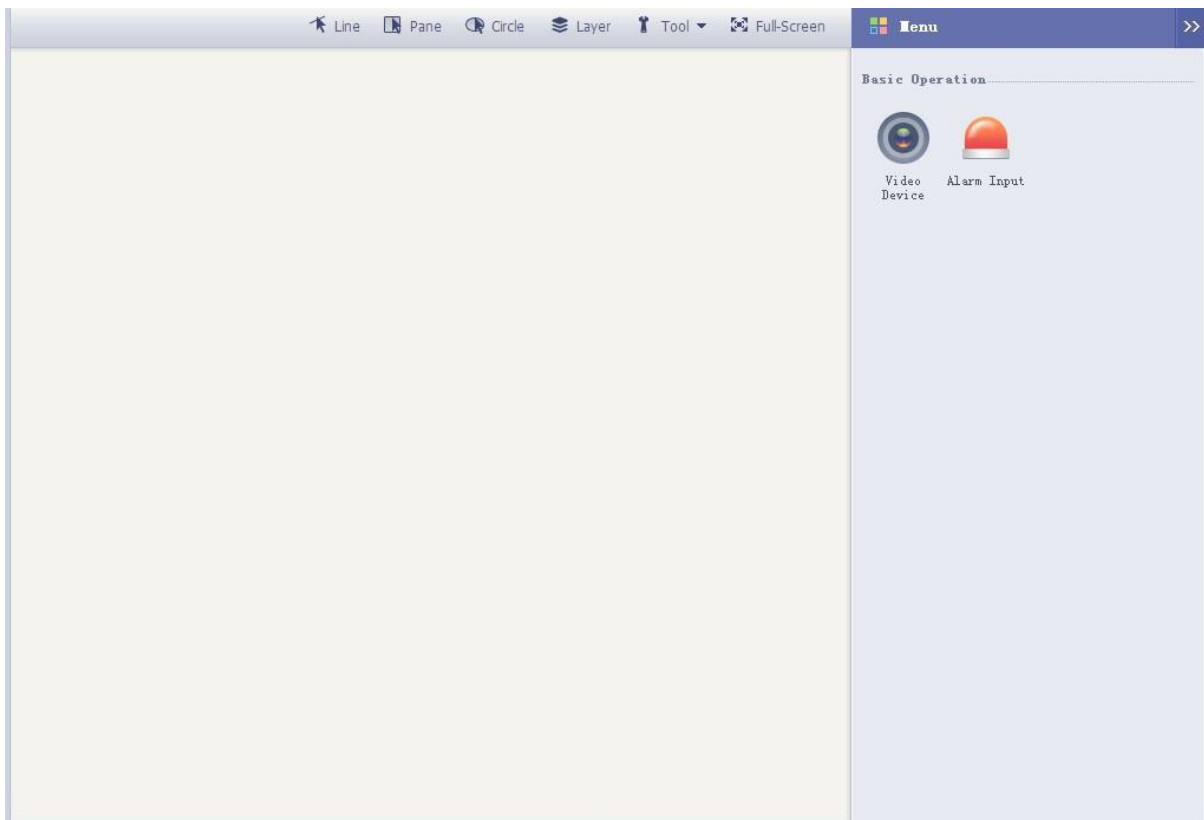


Figure 5- 17

Parameter	Note
Line	Select device with line: <ul style="list-style-type: none"> ● You can select device to preview. ● You can select device to playback record. ● You can select device to output video on wall. ● You can select device to lock record.
Pane	Select device with pane: <ul style="list-style-type: none"> ● You can select device to preview. ● You can select device to playback record. ● You can select device to output video on wall. ● You can select device to lock record.

Parameter	Note
Circle	Select device with circle: <ul style="list-style-type: none"> ● You can select device to preview. ● You can select device to playback record. ● You can select device to output video on wall. ● You can select device to lock record.
Clear	Clear selection on screen.
Layer	Video device layer, to show or hide device. Only if you check corresponding type, then you can see those devices. There are Surveillance and Alarm Point.
Tool	Parameters: Length : Measure actual distance between two points on map. Area : Measure actual area of zone on map. Mark : Mark on map. Reset : Restore default position on map. Refresh : Refresh map.
Full-Screen	Full-Screen : Full-screen display of map. In full-screen mode, you can exit by clicking exit in the upper right corner.

Step 3. Click Video Device on the right. You can see video device box.

Step 4. In Video Device box, enter channel name of video device. See Figure 5- 18.

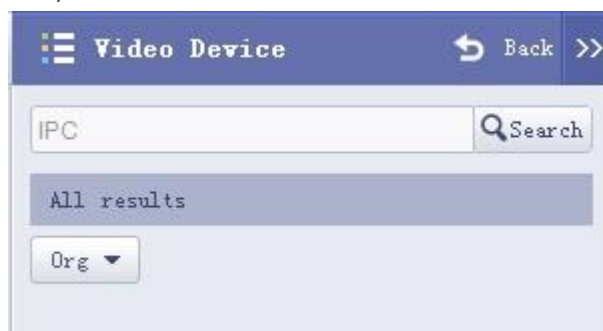





Figure 5- 18

Step 5. In search result, click IPC.


- a) Click  in device operation area, to preview.
- b) Click  in device operation area to playback.

c) Click  in device operation box, to output to wall. Please refer to Ch 5.5.

5.3.2 Raster Map

If you set Raster Map in VMS series Manager, then you can live preview and playback on raster map on Client.



Step 1. Click  in Basic area.

Step 2. Enter video device channel name in search field on the right. See Figure 5- 19.

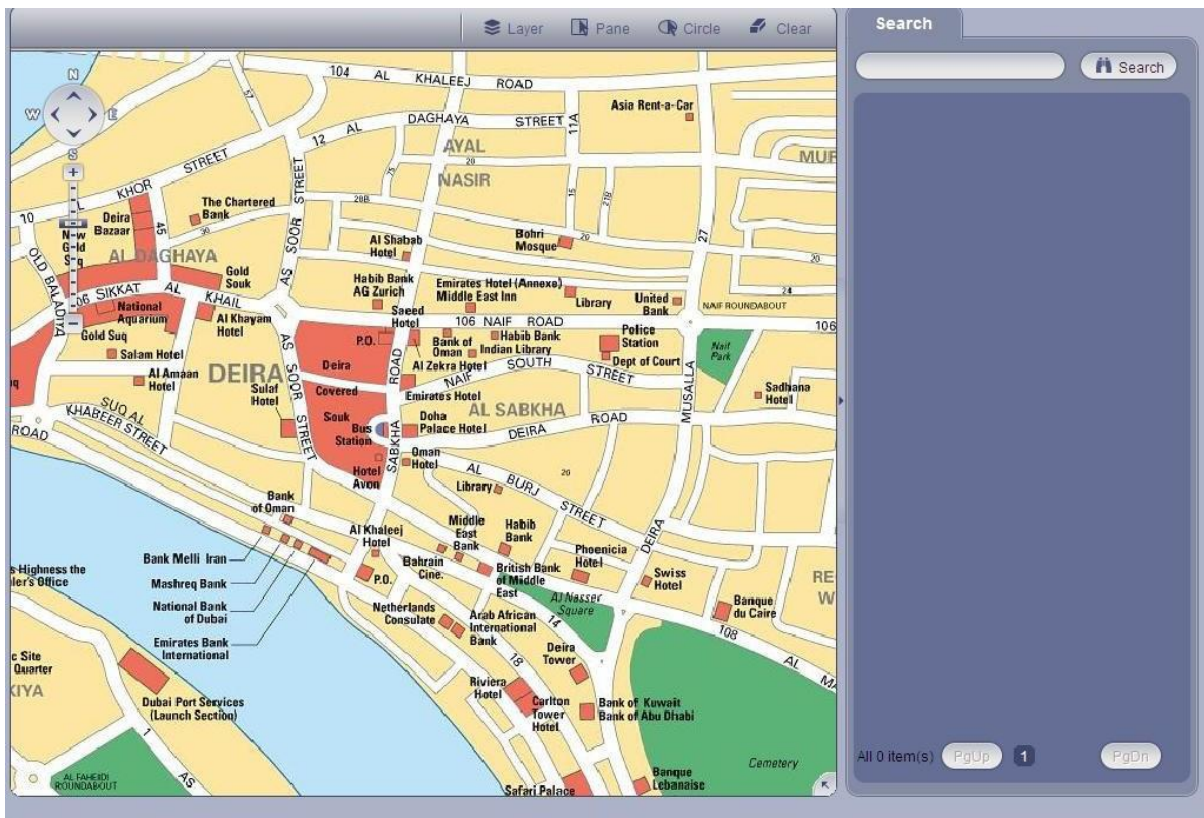


Figure 5- 19

Parameter	Note
Layer	Vide device layer, used to show or hide device. Only if you check corresponding type, then you can see those devices. There are: video device, alarm input and etc.

Parameter	Note
Panel	Select device with pane: <ul style="list-style-type: none"> ● You can select device to preview. ● You can select device to output video on wall.
Circle	Select device with circle: <ul style="list-style-type: none"> ● You can select device to preview. ● You can select device to output video on wall. ●
Clear	Clear selection on screen.

Step 3. Click Search.

Step 4. In search result, click target item. The map will display corresponding device info, such as device name, channel no. and etc.

Step 5. On may, double click target device or right click the device, and select monitor. System will display monitoring video of the device.

You can live preview video and record, snapshot, talk and control PTZ.

Step 6. Playback.

- a) Right click target device on map, and select playback.
- b) Select record storage type, and click OK. System shows playback window.


5.3.3 Google Online/Offline Map

Please refer to Ch 5.3.1.

5.4 Alarm Manager

If alarm scheme is configured, when alarm occurs, Alarm Manager displays corresponding alarm. Please refer to Ch 3.3.1 for config of alarm scheme.



Step 1. In homepage, Click  in Basic area. System displays Alarm Manager interface as in Figure 5- 20.

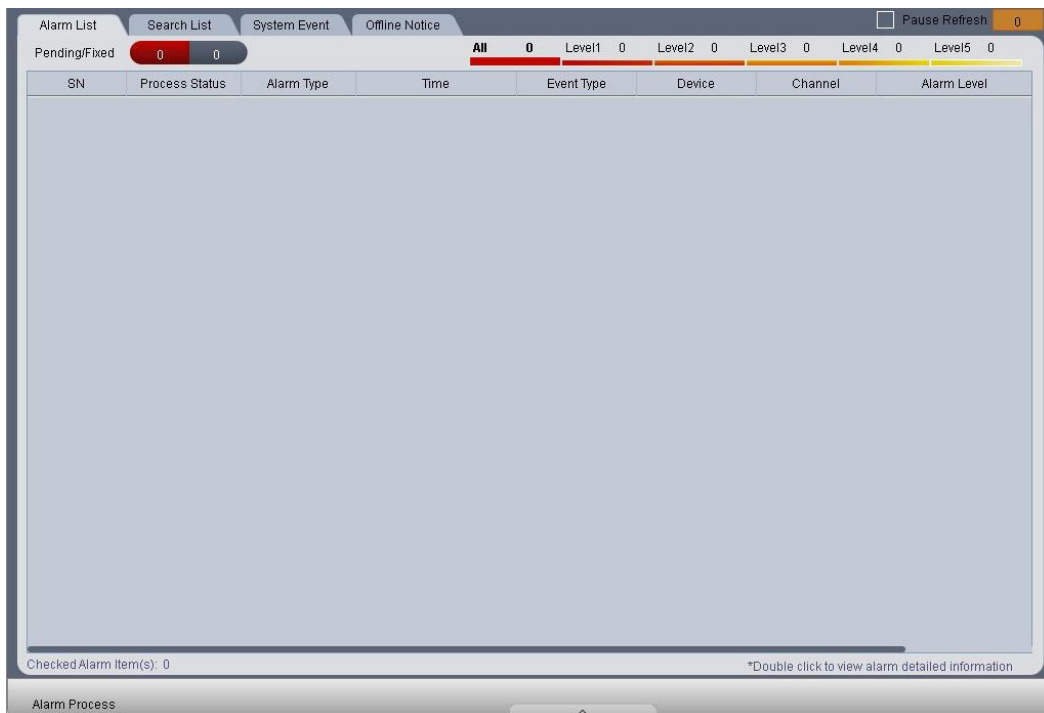


Figure 5- 20

Step 2. Check alarm to handle and click  below. System shows Figure 5-21.



Figure 5- 21

Step 3. Select process, input Results and click OK.

- You can click  in  to quickly enter Alarm Manager interface.

- Click Alarm List tab, systems displays all alarms by level.
- Click Search List tab, select corresponding channel in list on the right, and select Alarm Type, Start Time and End Time. Click Search to search alarm records meeting above criteria.
- Click System Event tab, system shows all system alarms.
- Click Offline Notice tab, system shows offline time of all devices.

5.5 Video Output to Wall

Via selecting TV wall schemes and bind video with TV wall to output video to wall.

Note:

- Before configuring TV wall function, you need to add TV wall scheme in Business>TV Wall on VMS Manager.
- You must add TV wall right to current user in VMS Manager.



Step 1. Click TV Wall in Basic area.

System displays TV Wall interface, see Figure 5- 22.

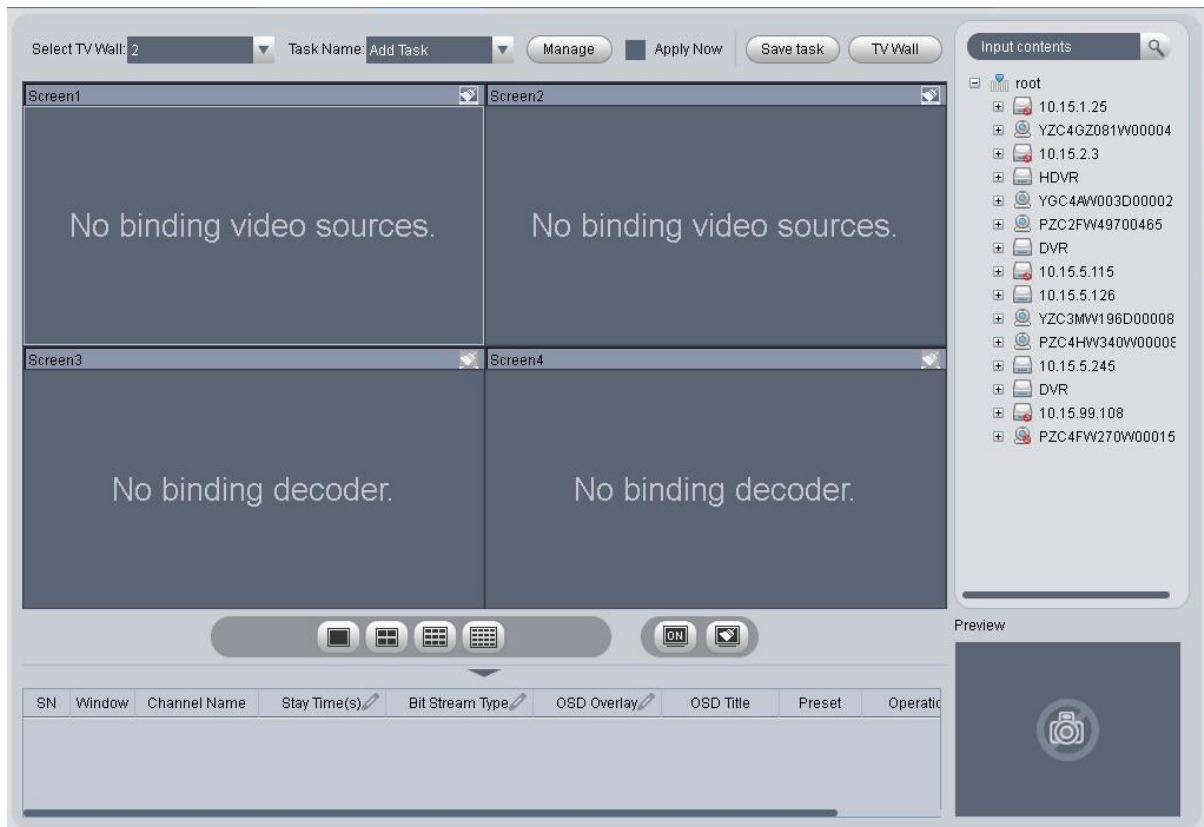


Figure 5- 22

Step 2. Check Apply now or not.

- If select Apply Now, system will automatically output video to TV wall.
- If not select Apply Now, system will not automatically output video to TV wall.

Step 3. Drag device in right list to window of TV wall. See Figure 5- 23.

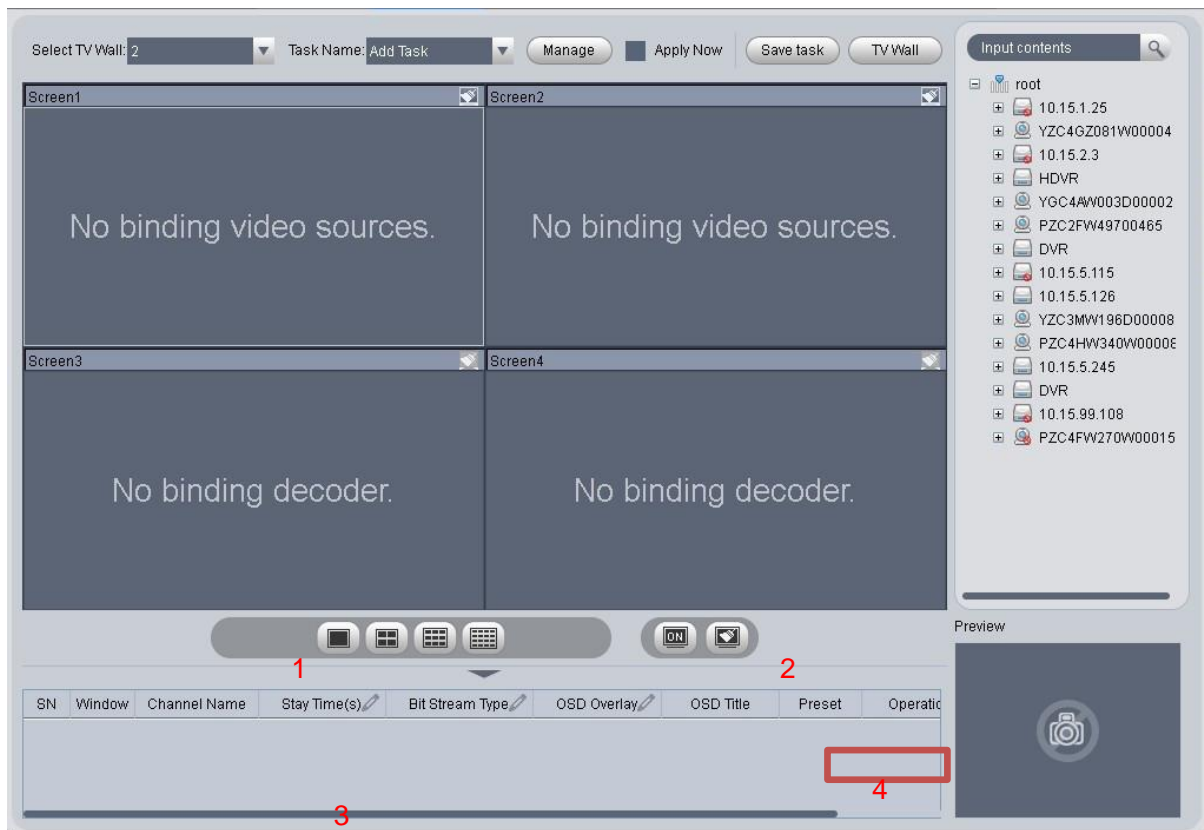








Figure 5- 23

No.	Interface	Note
1	Window Display Mode	Split the select video wall screen.
2	Screen Switch and Clear Screen	<ul style="list-style-type: none"> ●  : turn on/off screen. ●  : Clear screen operation.
3	Screen and Channel Info	View binding info of screen and channel.
4	Operation	Click  to view preview in the lower right corner. Click  and  to change order. Click  to delete window signal source.

Step 4. Click Save Task. System pops up Save box.

Step 5. Input Task Name, click OK.

Step 6. Click TV Wall to complete.

Note:

- If you completed TV wall configuration, you can select task in dropdown list of Task Name, and click TV Wall.
- If you want to view added task, you click Manager. In the pop-up interface, you can view, add, modify and delete task.


5.6 Audio Talk

Via audio talk, you can talk to front-end device and broadcast.

5.6.1 Audio Talk

Audio talk allows Client to talk to a single front-end device.



Step 1. Click  in Basic area. System displays broadcast interface, see Figure 5- 24.

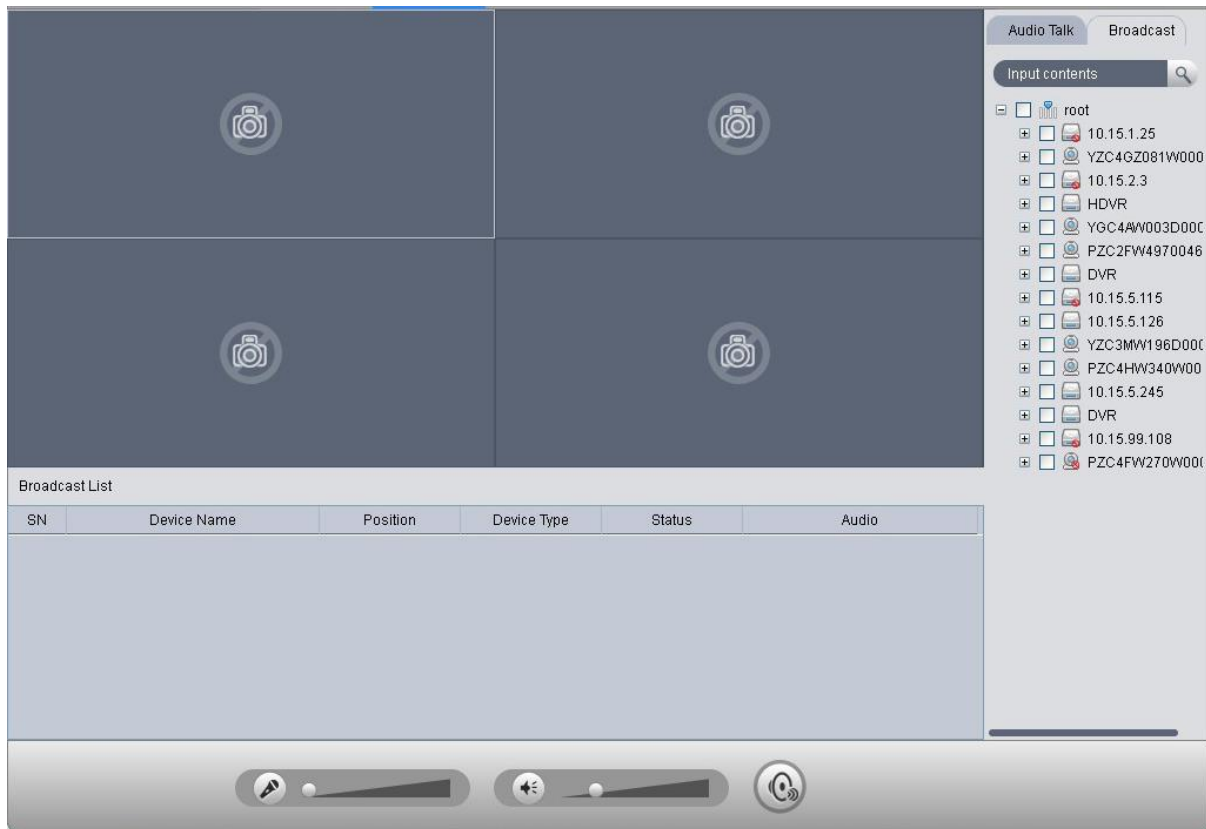


Figure 5- 24

Step 2. Click Audio Talk tab in the upper-right. System shows Audio Talk interface.

Step 3. Select a device to talk.

Note:

Audio talk is valid to device only, not to channel.

Step 4. Click . System shows interface as in Figure 5- 25.



Figure 5- 25

Step 5. Set Sampling Rate, Sampling Digit, and Audio Format, click OK. If config match device, system will inform you that audio talk is successfully enabled, see Figure 5- 26.

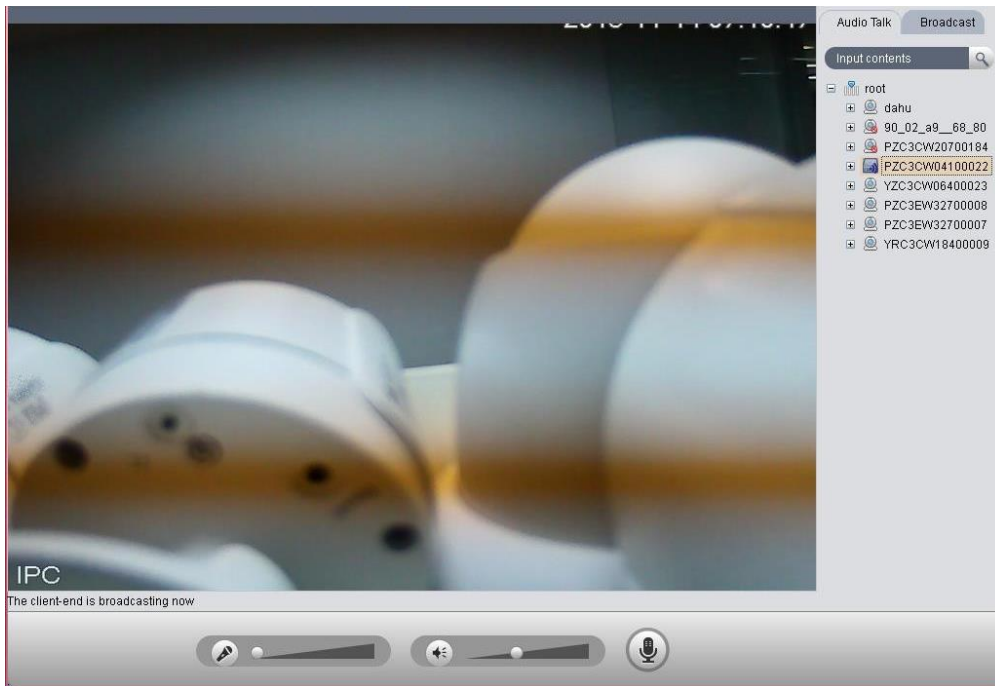


Figure 5- 26

Note:

If config do not match device, system will inform you that failed to enable audio talk, and show recommended parameter. You can config based on the recommended parameter.

During audio talk, click  to end audio talk.

5.7 Broadcast

Broadcast allows the Client to broadcast with multiple front-end devices.

Step 1. Click Broadcast tab in Audio Talk interface. System shows Broadcast interface.

Step 2. Select multiple devices on the right. The selected devices will be displayed in broadcast list.

Step 3. Click . System displays Broadcast setup interface, see Figure 5- 27.

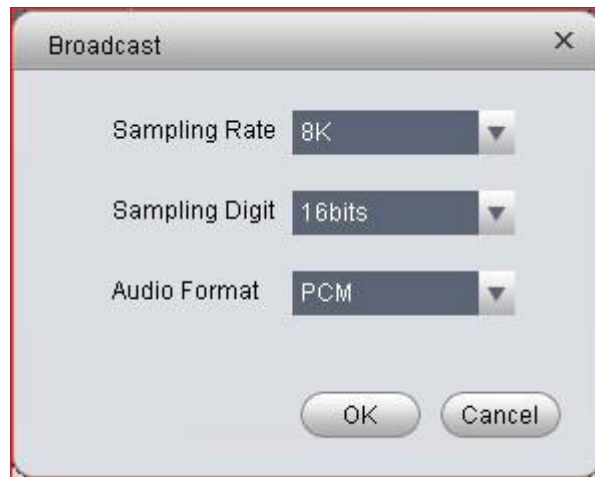


Figure 5- 27


Step 4. Set Sampling Rate, Sampling Digit and Audio Format.

Step 5. Click OK.

If config match device, then you enable broadcast successfully and device in list will show enable status, see Figure 5- 28.



Figure 5- 28

During broadcast stats, click  to end broadcast.

6 More Functions


6.1 Behavior

Behavior function is to analyze behavior of people or object that goes into armed zone. If analysis result matches the rule, then system will alarm.

Note:

Before behavior analysis, you shall add IVS-B device in General>Device>IVS in VMS Manager-end. Please refer to VMS Manager User's Manual Ch 5.2.3.



Step 1. Click  in Extension area. System shows IVSB interface where only IVS-B device will be displayed.

Step 2. Drag device on the right into video window. When corresponding behavior is done in zone, system will detect and analyze.


6.2 Face Recognition

Face recognition is to recognize face in zone and display snapshot face.

Note:

Before face recognition, you shall add IVS-F device in General>Device>IVS in VMS Manager-end. Please refer to VMS Manager User's Manual Ch 5.2.3.



Step 1. Click  in Extension area. System shows IVSF interface.

Step 2. Drag device on the right into video window.



Step 3. Click  below, system will display snapshot face.


6.3 Smart Track

Smart track is to track people or object that goes into ruled zone.

Note:


Before behavior analysis, you shall add ISD device in General>Device>IVS in VMS Manager. Please refer to VMS Manager User's Manual Ch 5.2.3.



Step 1. Click  in Extension area. System shows ISD interface.

Step 2. Drag device on the right into video window.



Step 3. Click  below to enable smart track function. When people goes into the zone, system will automatically track him.

6.4 People Counting

People counting is to count number of people in the ruled zone.

Note:

Before behavior analysis, you shall add IVS-PC device in General>Device>IVS in VMS Manager-end. Please refer to VMS Manager User's Manual Ch 5.2.3.




Step 1. Click  in Extension area.

Step 2. Drag device on the right into video window. People count will be shown in the upper left.

6.5 Master/Slave Tracking

VMS has master/slave tracking, auto PTZ link and supports fixed point tracking and fixed target tracking.




Step 1. Click  in Extension area.

Step 2. Drag device on the right into video window. Camera detects target and triggers alarm rule, then speed dome starts to track.

6.6 Alarm Host



Click , system shows Alarm Host interface.

Alarm Host displays all added alarm hosts and armed zones. The displayed devices include online, offline, alarm and bypass, arm and disarm.

Note:

You must add alarm host on VMS Manager before view alarm host info on Client. Please refer to VMS Manager User's Manual Ch 6.2.4.

In the right list, select different alarm host, it will display different armed zones. Select root node to display all armed zones, see Figure 6- 1.

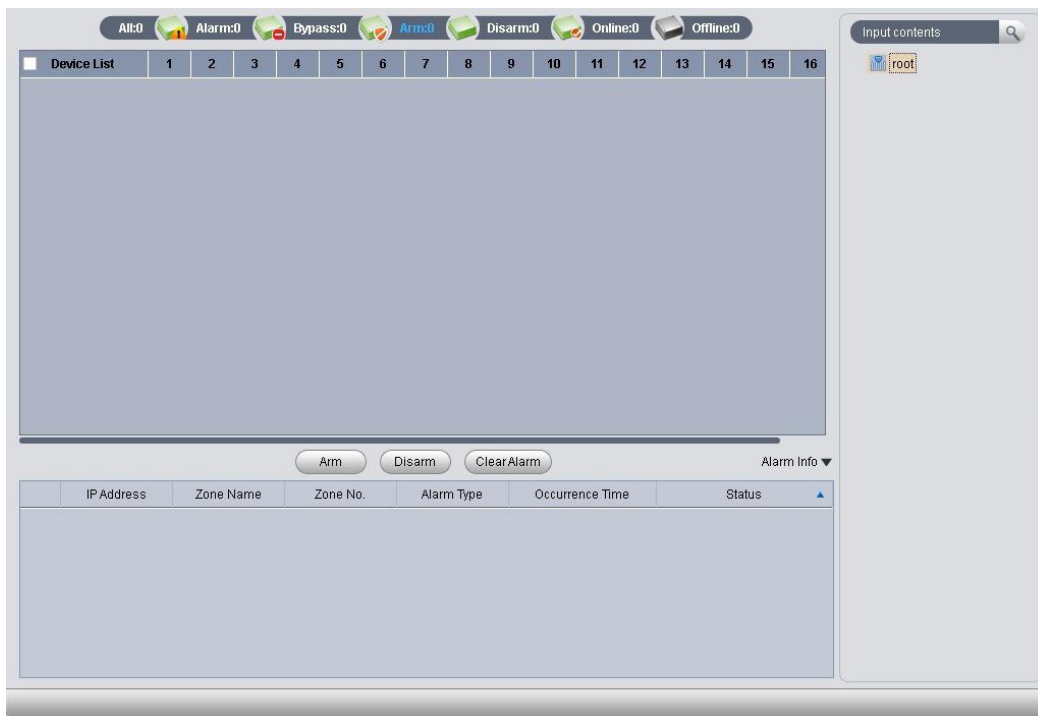


Figure 6- 1

You can select batch devices and zones to arm or disarm. Double click armed zone to view detailed info and monitoring video. Double click Alarm Info, system pops up detailed in, see Figure 6- 2.

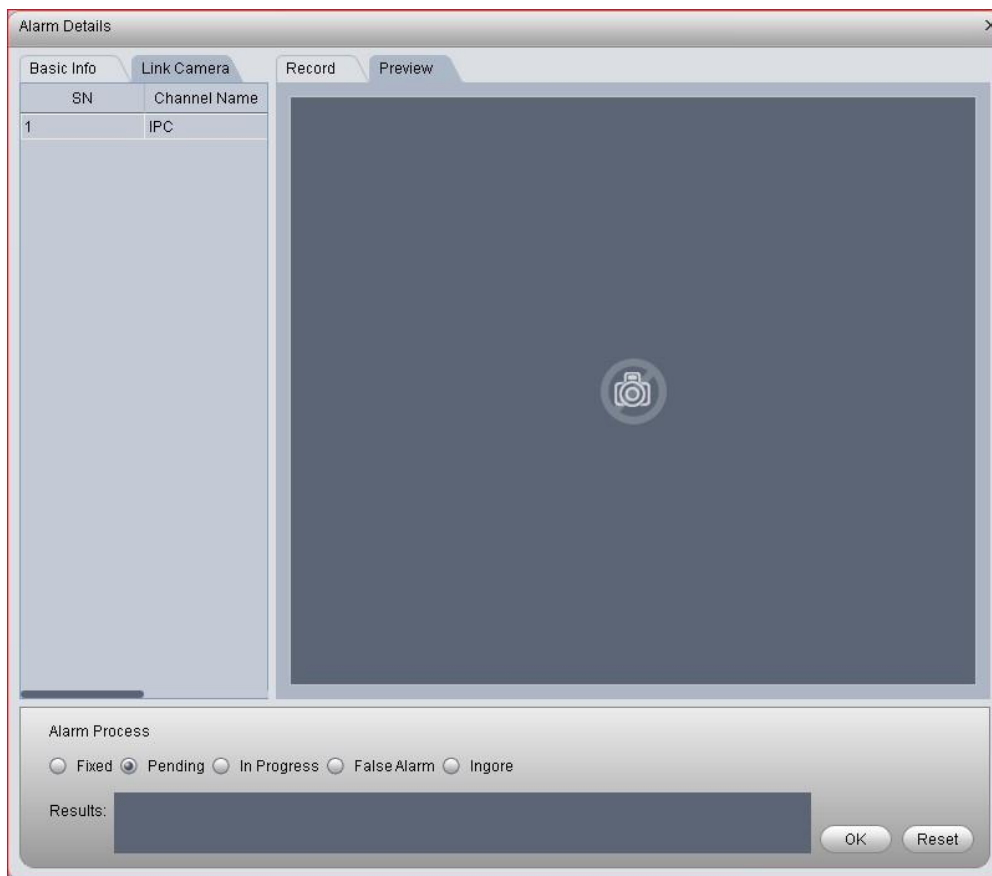


Figure 6- 2

Here you can view preview and record of alarm, and process current alarm. Alarm Process include fixed, pending, in progress, false alarm and ignore. After processing, system will display status in Status list.

6.7 Record Mark

If you have marked record, you can quickly search record with the mark, and you also can playback, edit and delete the record. Please refer to Ch 5.2.3.

To search marked record:



Step 1. In Extension area, click **Record Mark**. System displays Recrd Mark interface.

Step 2. In device list, select channel, time, and input mark name.

Step 3. Click Search Mark. System shows search result, see Figure 6- 3.

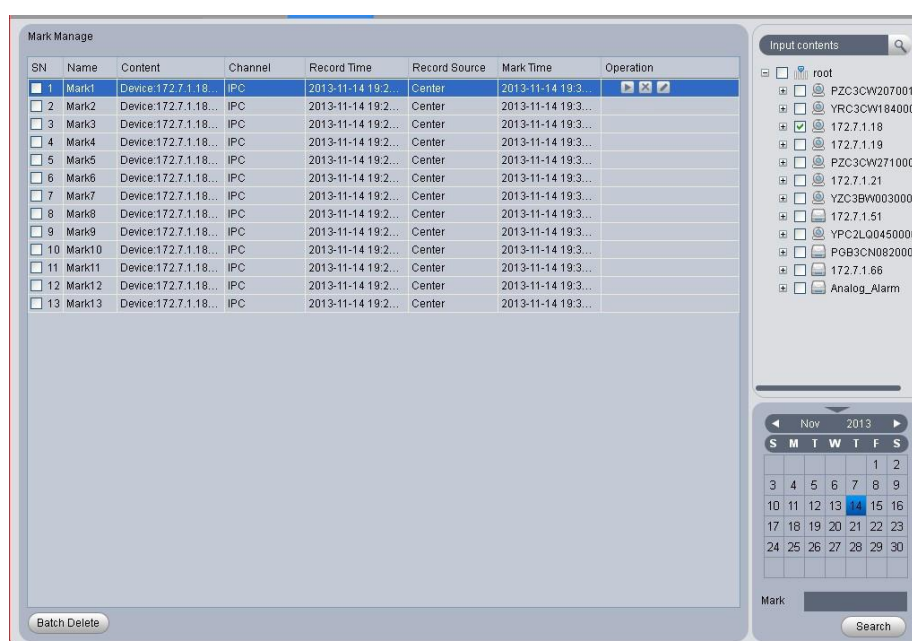


Figure 6- 3

Step 4. Check multiple marked records, and click **Batch Delete** to delete checked records.

Click to play record.

Click to delete record.

Click to edit.

6.8 Video Diagnosis

Video diagnosis is to diagnose video high brightness, low brightness, contrast, definition, video loss and etc.



Step 1. Click **Video Diagnosis** in Extension area.

System shows Abnormality Analysis interface by default. See Figure 6- 4.

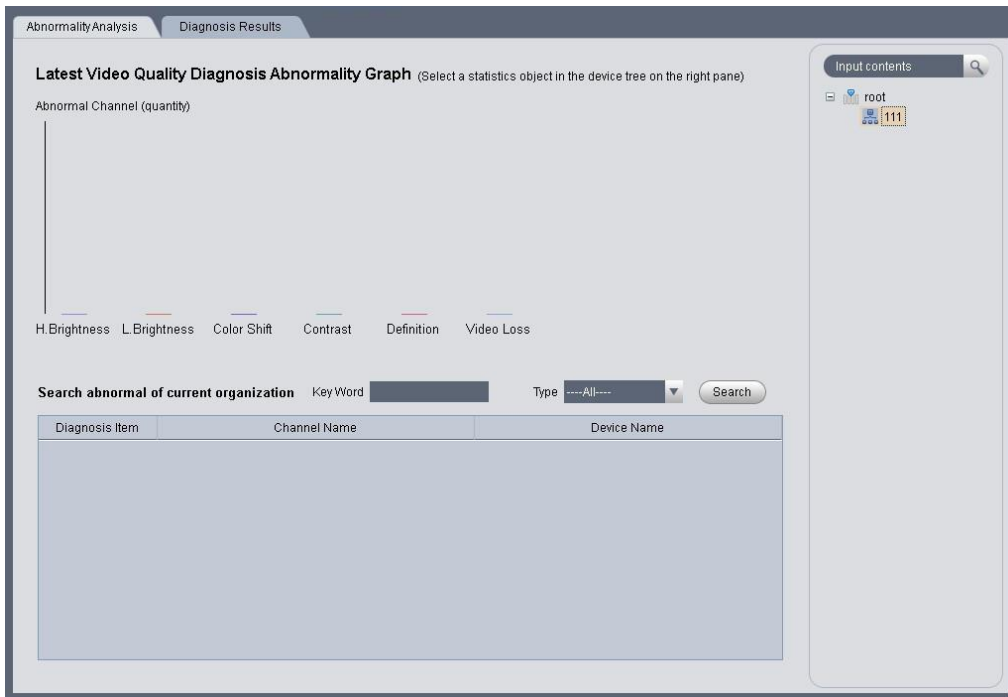


Figure 6- 4

Step 2. Click Diagnosis Results tab, you can see all diagnosis results. See Figure 6- 5.

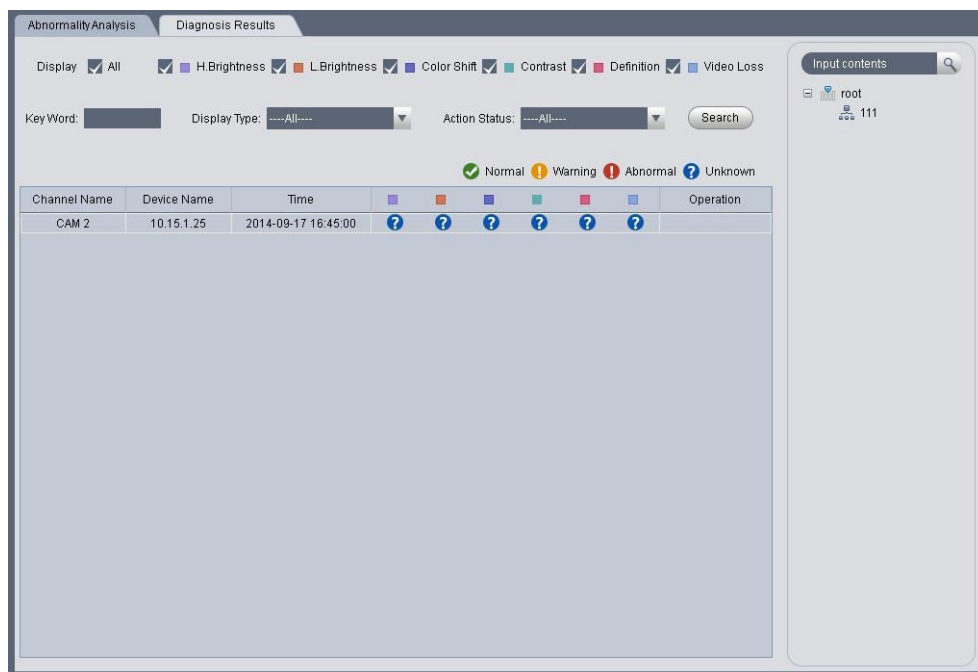



Figure 6- 5

Click  to diagnose video.

Click  to play record.

Click  to playback record.

6.9 Record Lock

Record lock is to lock record for unlocking and playing.



Step 1. Click **Record Lock** in Extension area. System shows Record Lock interface.

Step 2. In device list, select Channel, Start Time, End Time and Enter Lock Reason. Click Search to search lock record. See Figure 6- 6.

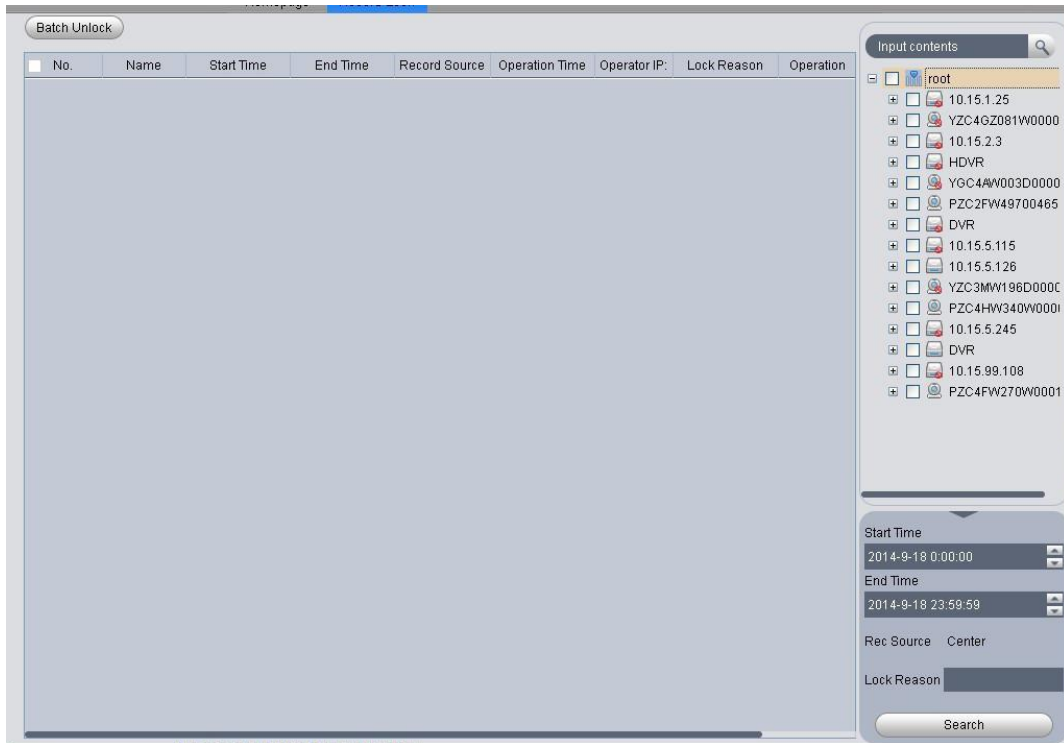




Figure 6- 6

Step 3. Select channel, click **Batch Unlock** to unlock multiple records at once.

Click  to play record.

Click  to unlock record.

7 WEB

VMS supports B/S format client. Via login WEB Manager, you can set local config, preview, playback, TV wall and E-map.

7.1 Login WEB

Note:

Before web login, you must add user in VMS Manager: General>Account, and add preview, playback, download, PTZ and etc. and add system rights to the role of this user. Please refer to VMS Manager User's Manual's Ch 6.

To log in WEB:

Step 1. In Internet Explorer, input IP address of VMS, and press Enter. System shows login interface as in Figure 7- 1.

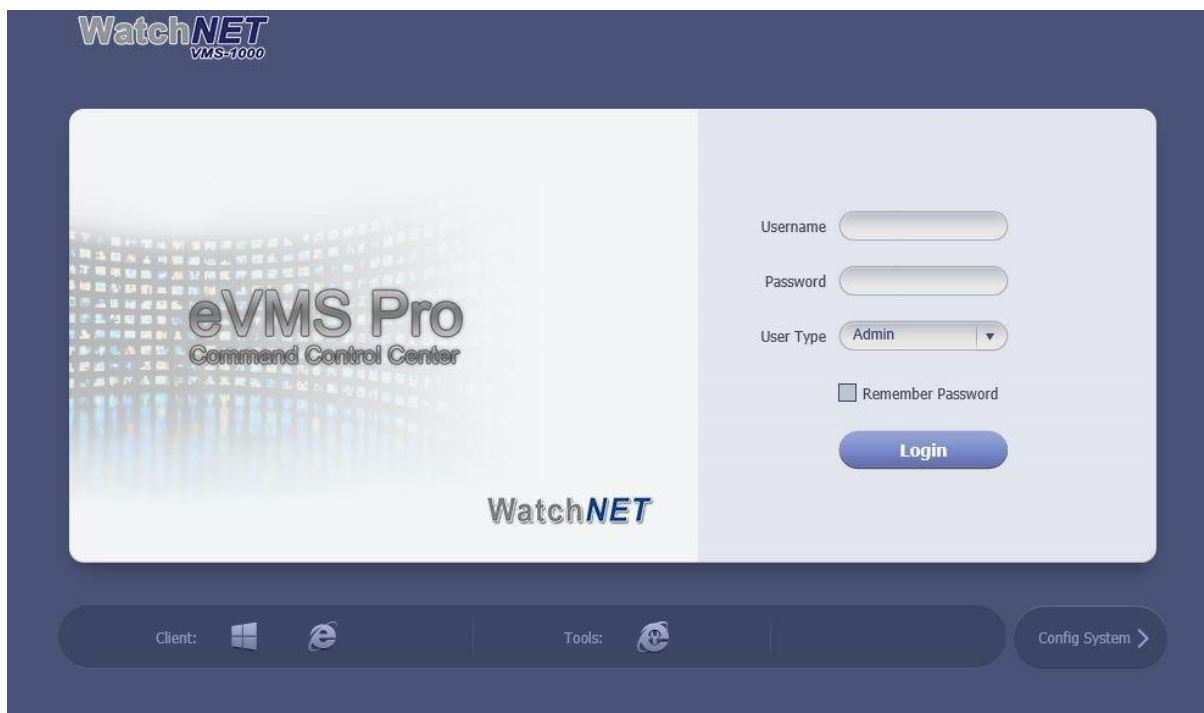


Figure 7- 1

Step 2. Click , system prompts to download Plugin.exe.

Step 3. Download and install Plugin.exe.

Step 4. In Internet Explorer, input IP address of VMS, and press Enter.

Step 5. In login interface, input username and password. Select user type as Operator.

Step 6. Click Login. See Figure 7- 2.



Figure 7- 2

7.2 Setup

Please refer to Ch 4.1.

7.3 Video Monitor

7.3.1 Preview

Please refer to Ch 5.1.

7.3.2 Playback

Please refer to Ch 5.2.

7.3.3 TV Wall

Please refer to Ch 5.5.

7.4 Map

Please refer to Ch 5.3.

Note:

- **This manual is for reference only. Slight difference may be found in the user interface.**
- **All the designs and software here are subject to change without prior written notice.**
- **All trademarks and registered trademarks are the properties of their respective owners.**
- **If there is any uncertainty or controversy, please refer to the final explanation of us.**
- **Please visit our website or contact your local service engineer for more information.**