IMS200 SURVEILLANCE SYSTEM
USER MANUAL

2011-3

1 PRECAUTIONS

- The contents of this manual may change due to product upgrades or other reasons.
- We have the right to make changes of the contents without notice.
- This user manual is for reference only, subject to available products. This manual may contain inaccurate data or printing error. We reserves the right to interpret the details of this manual.

2 PERFACE

《IMS200 Surveillance System User Manual》 introduces the software features and configuration operation of IMS200. Please go through this user manual before operating.

Agreements

1. Symbols:

Index	Meaning
[]	"[]" refers interface, menu and data sheet, e.g. "[Add User] interface"
【 】	"【 】" refers button, e.g. "click【 OK】"

Form 2-1

Introduction: make some complement explanation to the contents.

Warning:prompt the warning in order to avoid damage caused by improper operation.

Note: prompt operation notes in order to avoid data loss and device damage caused by improper operation.

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3 INTRODUCTION

3.1 SUMMARY

IMS200 is a professional surveillance system software which support muti-user, multi-window and multilingual display, voice talk, EMap, alarm and etc. IMS200 is compatible with various access devices. This is a stable, reliable and easy operation system.

3.2 RUNTIME ENVIRONMENT

- □ Hardware minimum requirements
  - ■ □CPU P4/2.0GHz
  - ■ □Memory 512M
  - ■ □Resolution 1024*768 and ≥128M memory (support DirectX 8.0 and higher grade)
  - ■ □Hard Disk 300M free space
  - ■ □Network transmission 10/100Mbps Ethernet, consistent with TCP/IP or UDP/IP protocal
- □ Software minimum requirements
  - ■ □Operation system: Windows XP SP2, Windows 2000, Windows 2003, Windows Vista, win7（run by "Administrator" in Vista and win7）
  - ■ □Graphics drive installed

Introduction: enable "DirectX", set the "hardware speed up" to 'high'

4 INSTALLATION

1. Double left click “IMS_200_Client”-

- to install this program.

2. Complete the installation following the guide, see “Diagram 4-1” to “Diagram 4-7”

Step1: click “Next (N)”, see “Diagram 4-1 ”

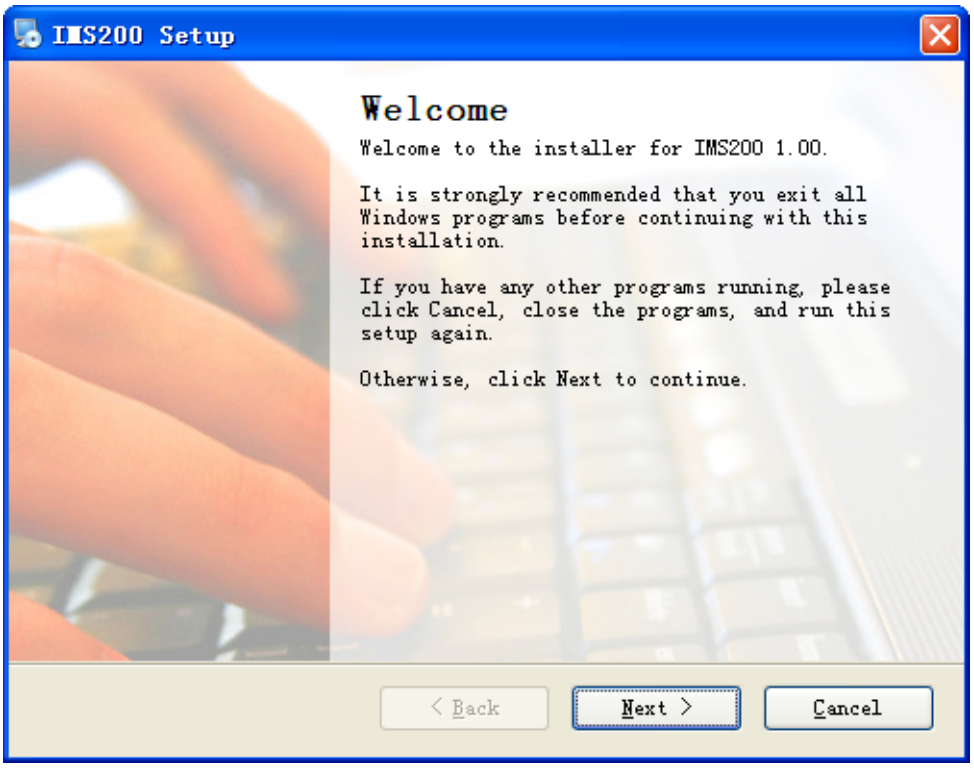


Diagram 4-1

Step 2: click “Next (N)”after select a install path, the default installation path is “C:\Program Files\IMS200”.see”Diagram 4-2”

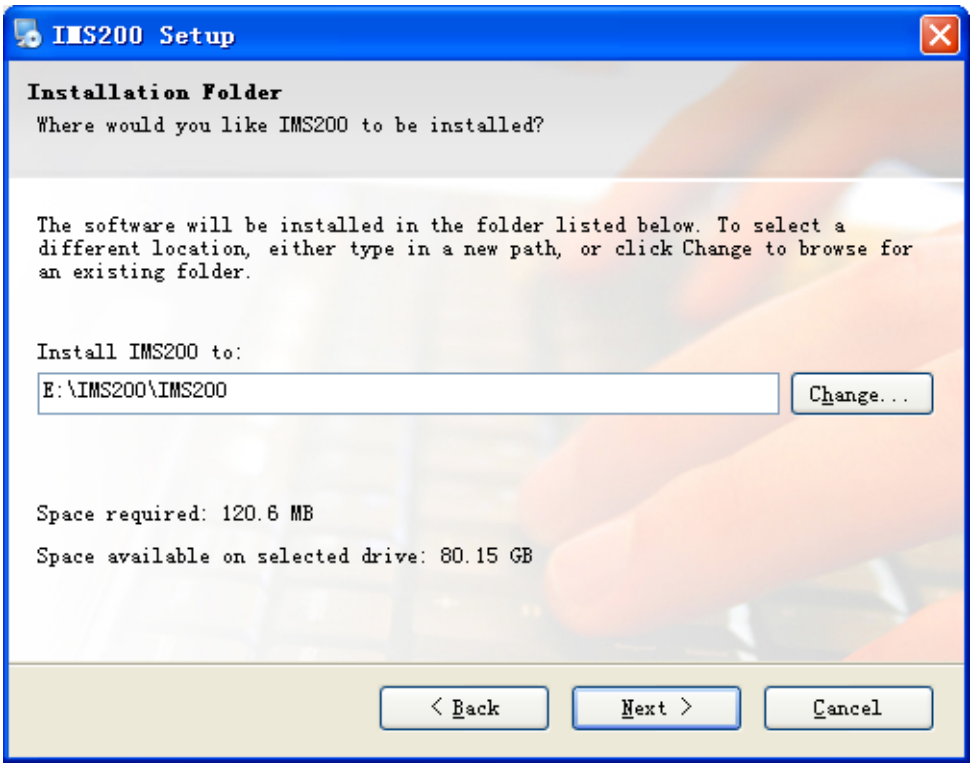


Diagram 4-2

Step3: click “Next (N)”

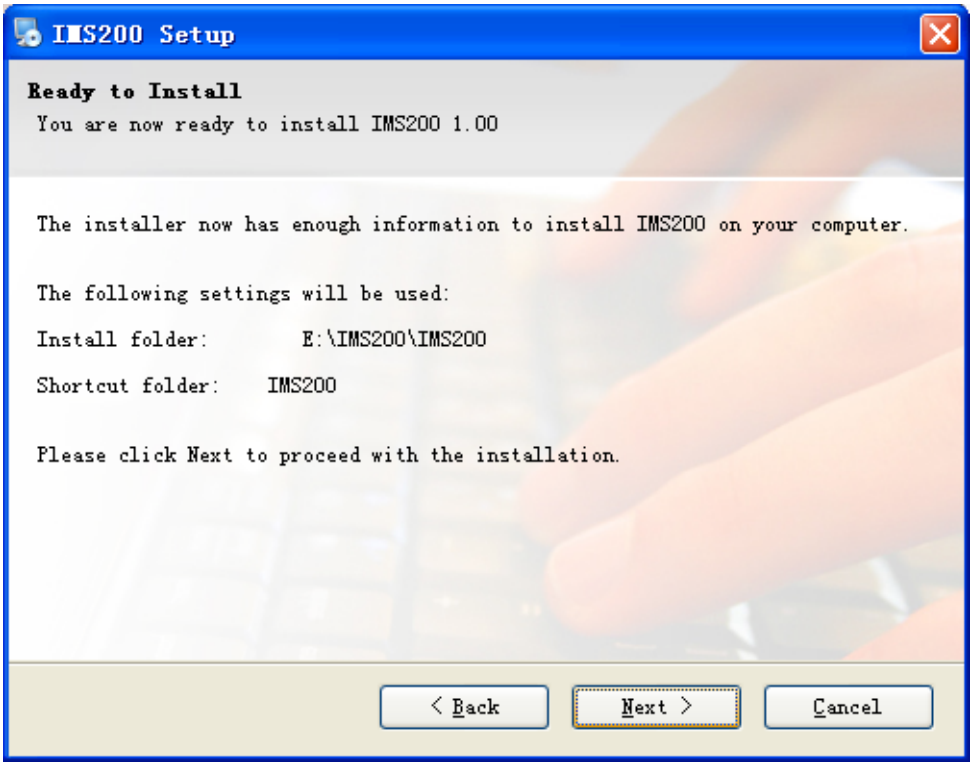


Diagram 4-3

Step 4: install automatically

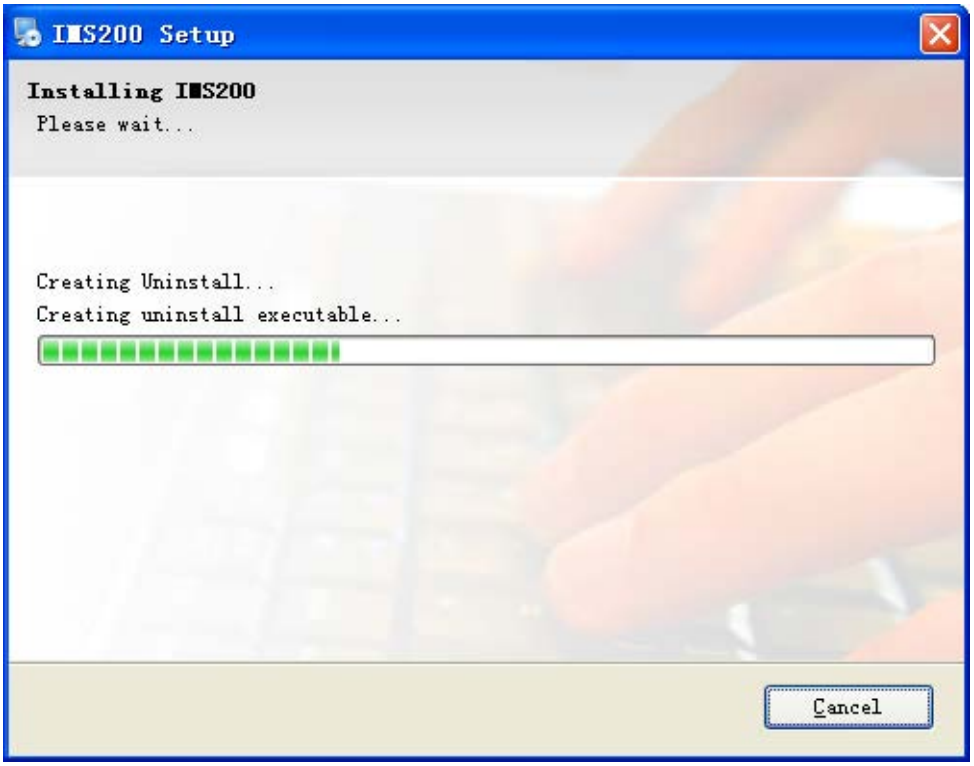


Diagram 4-4

Step 5: click “Y” to install C++ process library

Step 6: click “Repair” and “Next” to go through the C++ installation process. See “Diagram 4-5”

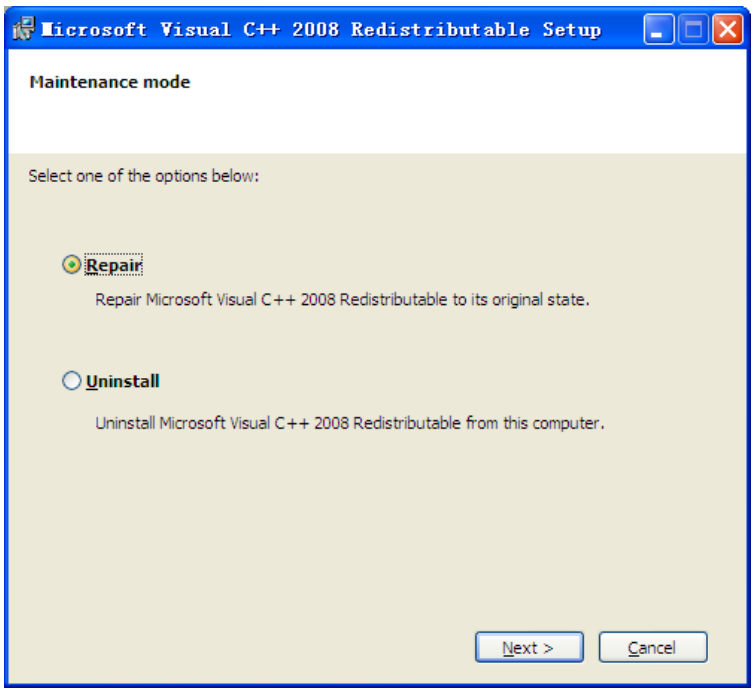


Diagram 4-5

Step 7: fnish the C++ installation, see “Diagram 4-6”

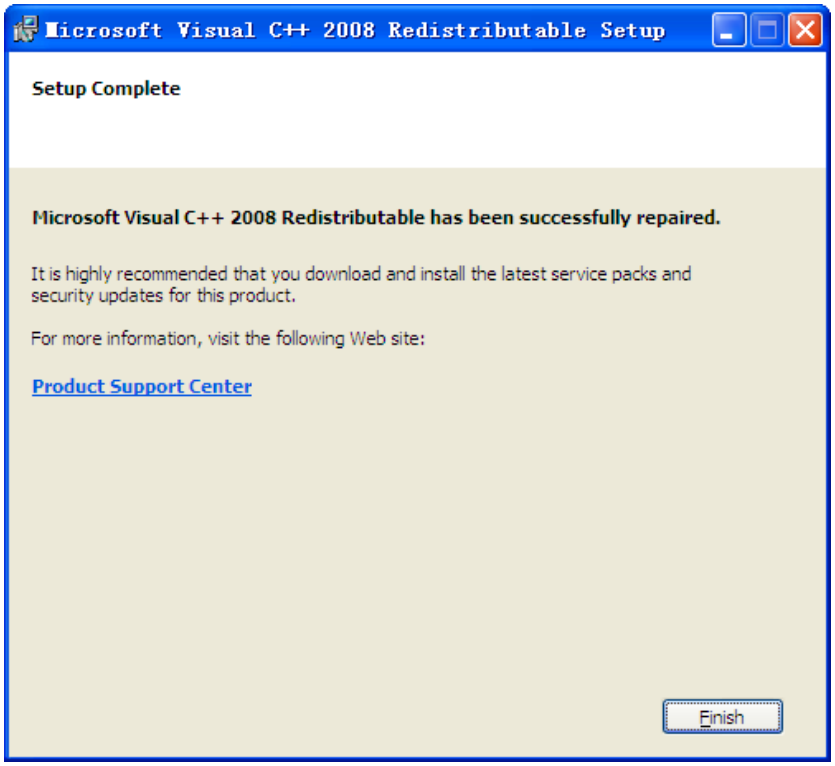


Diagram 4-6

Step 8: click “Finish (F)” to complete the installation process

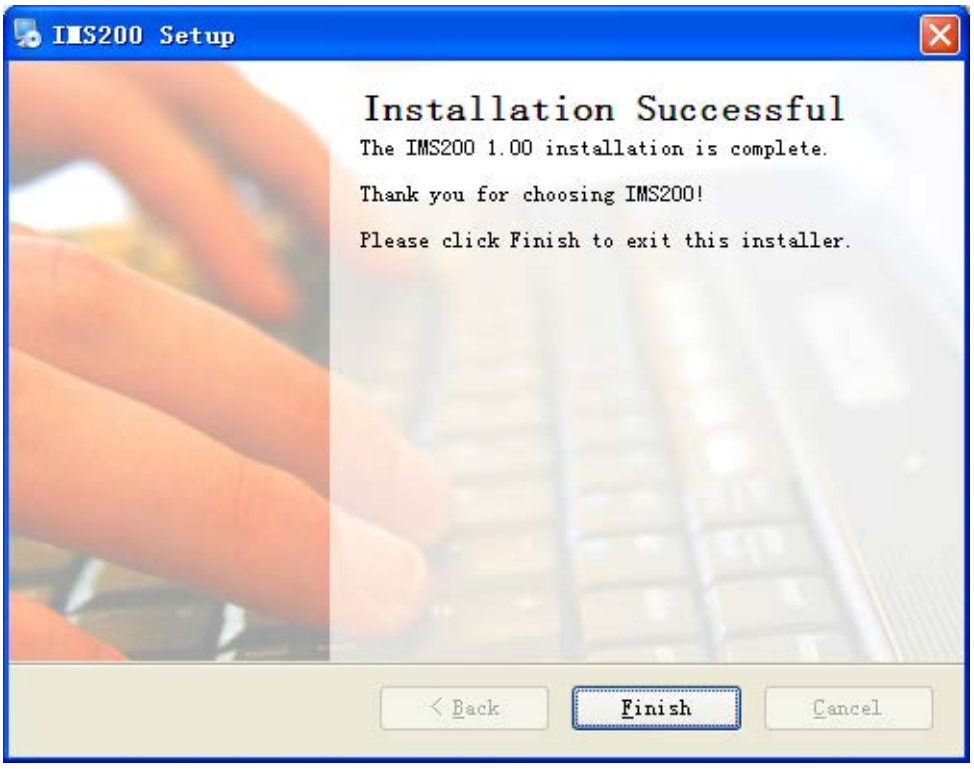


Diagram 4-7

3. The shortcut

will be created on desktop after install the IMS200 system.

5 LOGIN AND INTERFACES

5.1 LOGIN

Double left click

to pop up [LOGIN] interface, see “Diagram 5-1”. Input correct user name, password and click “OK”-

-to enter the system.

The default account is “super” which has device management authority （the name ar

The default administration account is “system” which has authority to modify advanced functions like create new users, rights management and add E-map （the password are “system” 7.3 Please refer. “

Diagram 5-1

Note:

1. Modify your password in “Setting->Modify Password” in the first login.

2. Configurate the organization, users, device, EMap and etc. Please refer “7.3” for detail.

5.2 INTERFACE

There are screens, menu, functional keys, output mode keys, toolbar, upper right icons, alarm and status show on the main interface. (see “Diagram 5-2”)

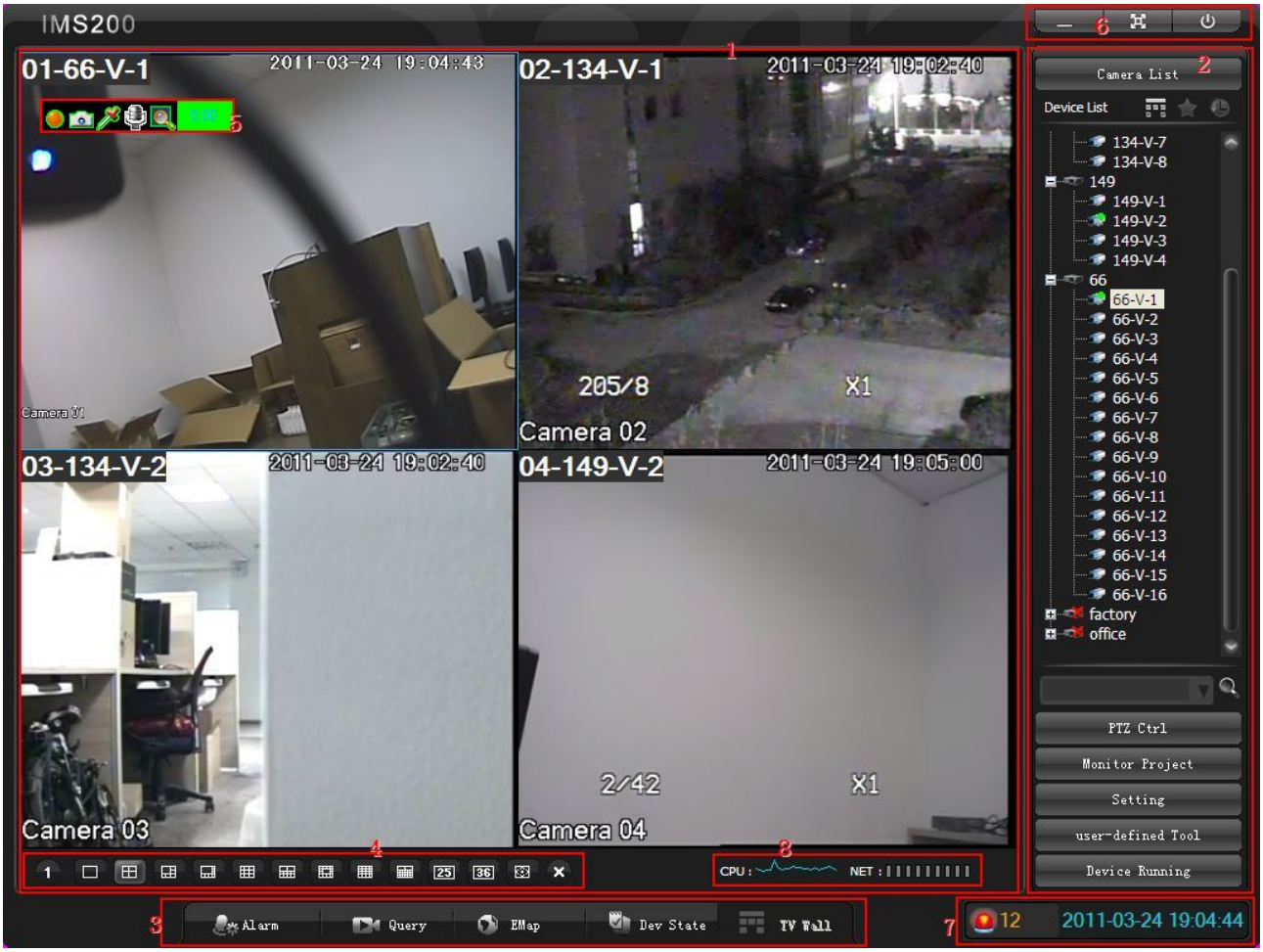


Diagram 5-2

1. Screens

Display and control the real-time video. Select “voice talk”, “snapshot”, “record”, “output”,“save”, “go to” and “TVwall” function in a specific window. (see “Diagram 5-3”)

Diagram 5-3

Introduction: functions are valid under specific conditions

2. Menu

Name		Function & Operation
Camera Lis		Shows organizations, devices and channels
		Shows device IP, name and model by moving the mouse cursor on a device
		Finish the TV wall output and video output in center
		Status icorns in record and live view mode
		Show the record device status
		Take record for talk
		Search information of device and channel
		Add to “Favorite”
		Record review
		Position to playback
		Timing
		Reboot

		Log in / Log out （manually）
		Configurate control
PTZ Ctrl	Control zoom	Eight-direction control
		3D positioning, simulated joystick, etc
		Modify step, zoom, focus and Iris
	Preset Auto Tour Aux	Configurate and execute presets
		Configurate and execute auto tour
		Light, Aux1, Aux2, etc
Monitor Project		Configuration and Execution
		Plan the task
		Pause/On the task
		Import/Export the documents
		The information of the project and task
Setting	License	Functions authorization（license password is necessary for login）
	Local Set	Set the record path
		Set the download path
		Set the snapshot path
		Set the talk path
		Set the single file lengh
		Enable the talk saving
		Enable the display toolbar
		Show or hide the device name on EMap
		Minimum or maximum EMap size
		Set log number capacity
		Select media transfer protocal
		Select start screen numbers
		Set organization levels
		Multi-window configuration
		Auto task running

		Select system startup mode
		Set time period before turn to the playback
		Time verification interval
		Time verification disparity
		Display content when device running
		Language（Chinese/English）
		Screen display: OSD configuration
		Keyboard serial port configuration
		Admin config: config the organization,users,device,EMap and system
		Upgrade: software upgrade
		About: software version and copyright
	Admin Config	Add/modify/delete the users or devices
		Add/edit the EMap
		System setting, I frame, log, authorization, password, DDNS setting.
	Input	Input the setup file
	Output	Output the setup file
	Modify Password	Modify license password or current account password
	License	For different users access for setting
Custom Tool		Playback the last alarm related video
Status Display		IP, manufacturer and working status information display.

Form 5-1

3. Functional keys

Name		Description
Alarm	Task config	Add, modify and delete tasks
	Plan config	Add, modify and delete plan
	Global config	Configurate the external, detect, loss and cover alarm
	Relate config	Configurate the relate, alarm output to CDS/VMS/sound/SMS

	Manually plan config	Manually channel, device and node plan
	Overall config	Alarm, relate sound, relate light, relate output
	Execute	Execute or stop task or plan
	Import/Export	Import/export alarm information files
	Device info	Device list, name and task status
Query	Playback	Four-window record playback, support slice, full screen, record, snapshot, syn play, forward and slow
	Download	Download from headend device or centre records
	Search	Search the files of voice talk, local record, snapshot and download
	Alarm show	Shows alarms by time, type, user and status
EMap	EMap	Integrate the map and video information
Dev status	Device Status	Shows the channel stream and alarm task
TV wall	TV Wall	Set the screens output to TV wall

Form 5-2

4. Output mode

Name	Description
Output Mode	1/4/6/8/9/13/16/25/36/Full Screen/Close All Windows

Form 5-3

5. Display toolbar

Name	Description
Toolbar on screen	Icons for record, snapshot, color, voice talk, streaming and etc.

Form 5-4

6. Upper right icons

Name	Description
Exit	Minimizing, maximizing window, license, lock, switch and exit current account

Form 5-5

7. Alarm & Date

Name	Description
Shortcut zoom	Pop up system log and alarm interface by clicking the time and alarm icon

Form 5-6

8. Status

Name	Description
Status	CPU and network running status

Form 5-7

5.3 QUICK GUIDE

Login by the “super” account and add devices. Click【Admin Config】to enter the interface as follow

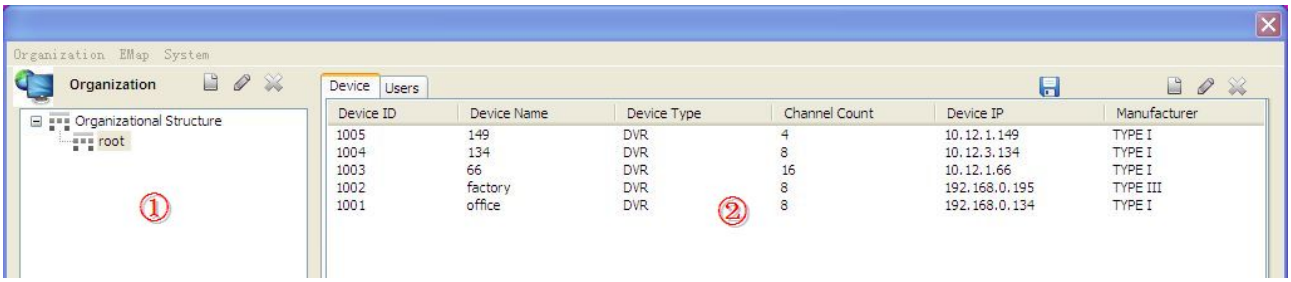


Diagram 5-4

(1) Add: select an organization node in ① zone and add devices under this node in ② zone. Input the device data like type, manufacturer, name, IP and password in popup window; then click 【Access Cha channels and alarm channels sutomatically. At last click OK to finish the process. (the “Device Count” and “Alarm Channel Count” are automatically generate according to the device IP. The default port: 8000.) See “Diagram 5-5”

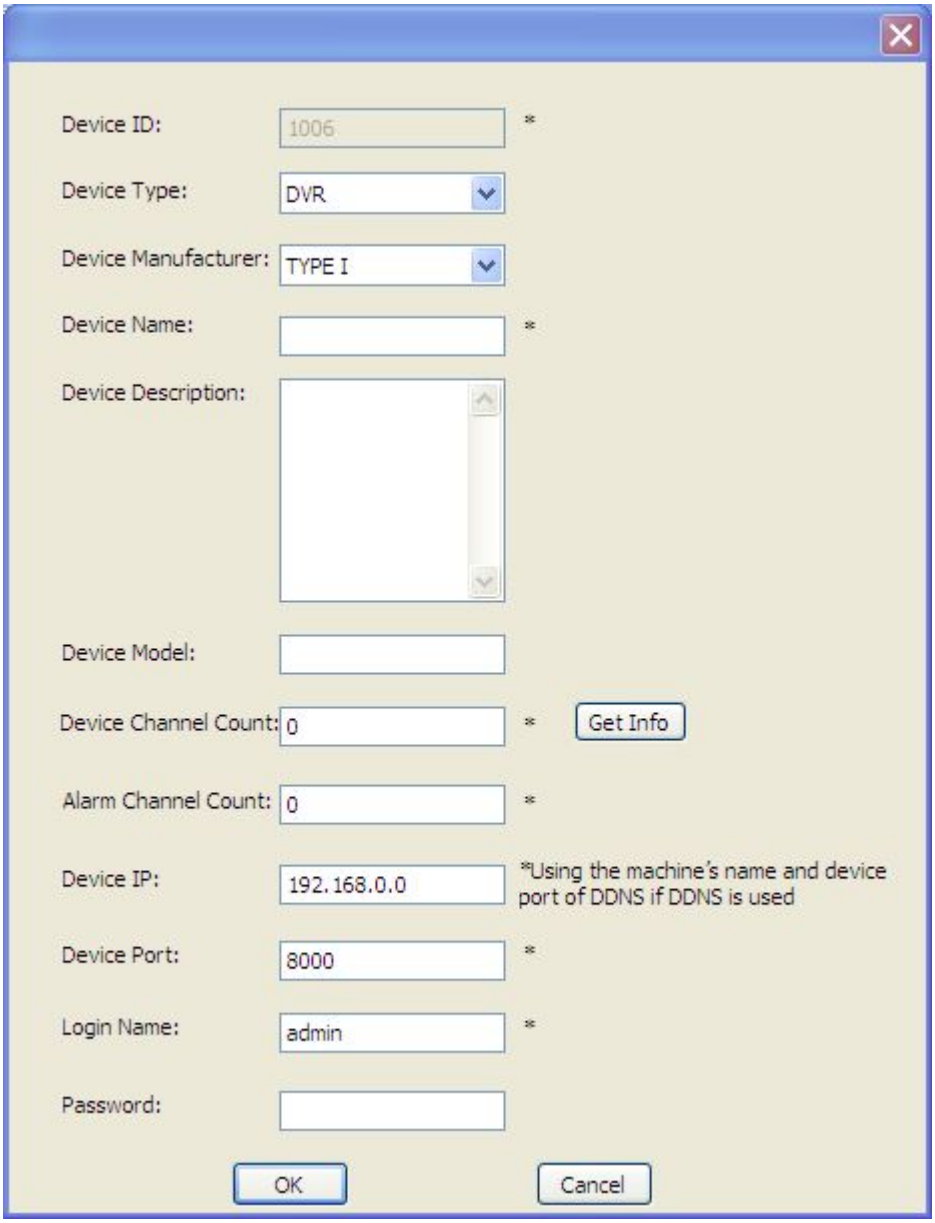


Diagram 5-5

(2) Modify: select a device and click icon to modify it's information

(3) Device Information: this window (See "Diagram 5-6") which contains [Device Information], [Video Channel] and [Alarm Channel] will pop up when you select a device.

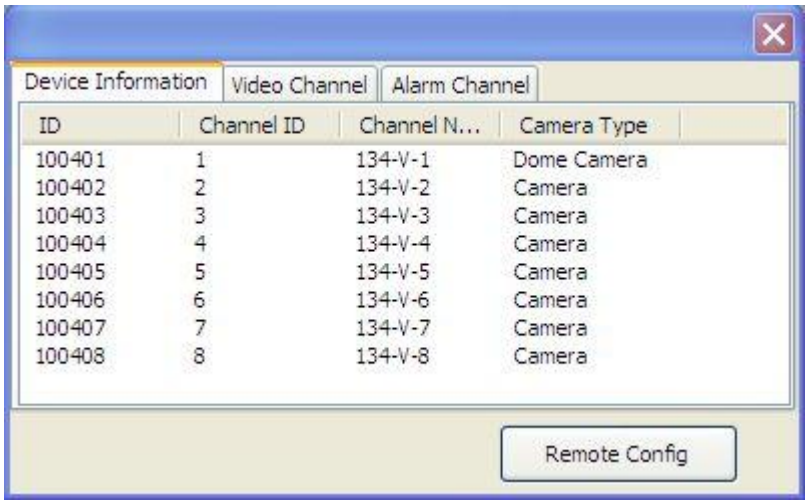


Diagram 5-6

"Diagram 5-7" is the [Video Channel] interface

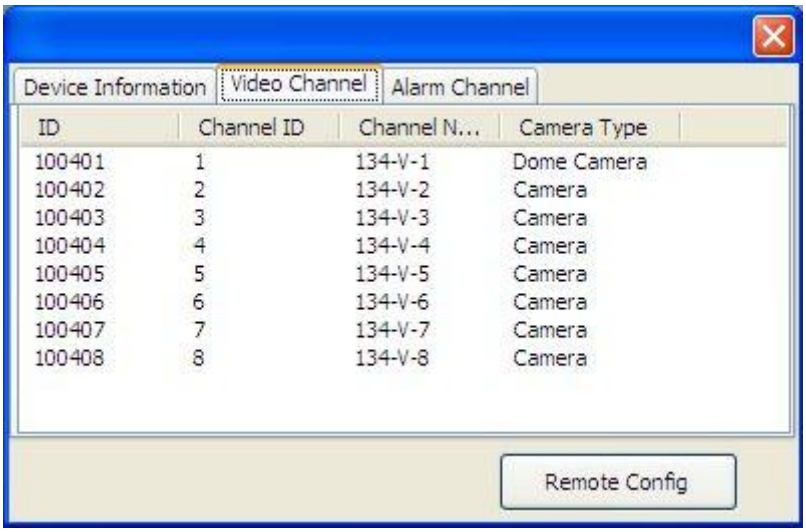


Diagram 5-7

Double left click a video channel to pop up the [Channel Information], see "Diagram 5-8".

You can modify channel name, pre-position and camera type. The camera type include camera, dome camera and half dome camera. (channel ID, channel type and channel number are default value.)

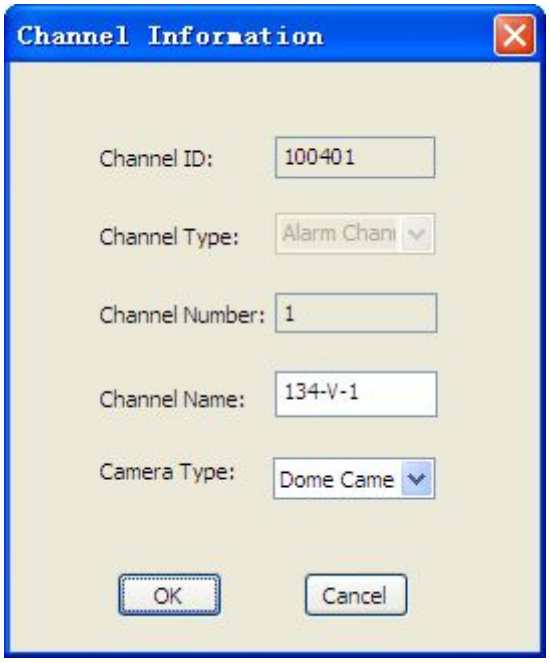


Diagram 5-8

“Diagram 5-9” is the [Alarm Channel] interface

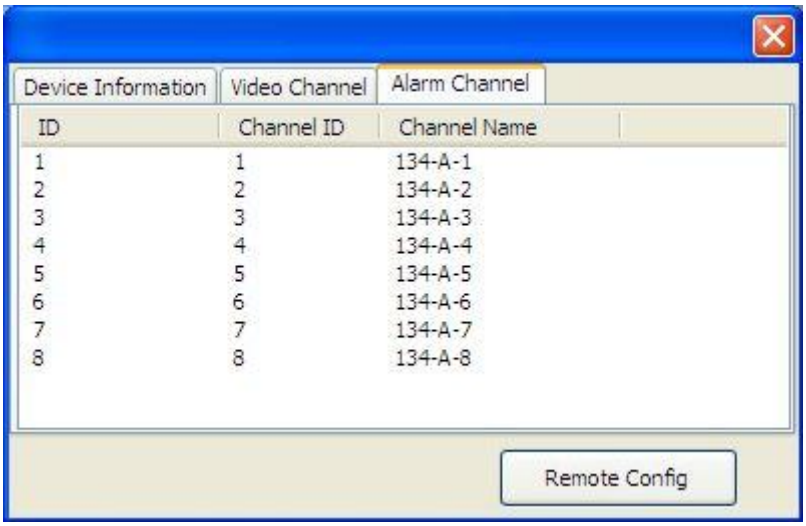


Diagram 5-9

Double left click a alarm channel to get a popup window, see “Diagram 5-10”

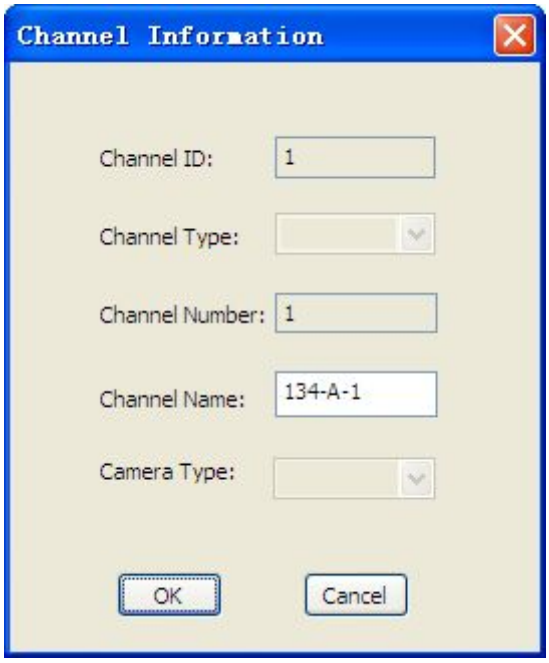


Diagram 5-10

You can operate in main interface after complete the configuration.

Introduction: there are two criteria for apply the PTZ function: 1. ensure the connected device is a dome camera; 2. select the right camera type.

---

6 FUNCTIONS

6.1 MONITOR

6.1.1 CAMERA LIST

[Camera List] shows the “Structure”, “IP Address”, “Device List”, “Favorite” and “History”. (See “Diagram 6-1”)

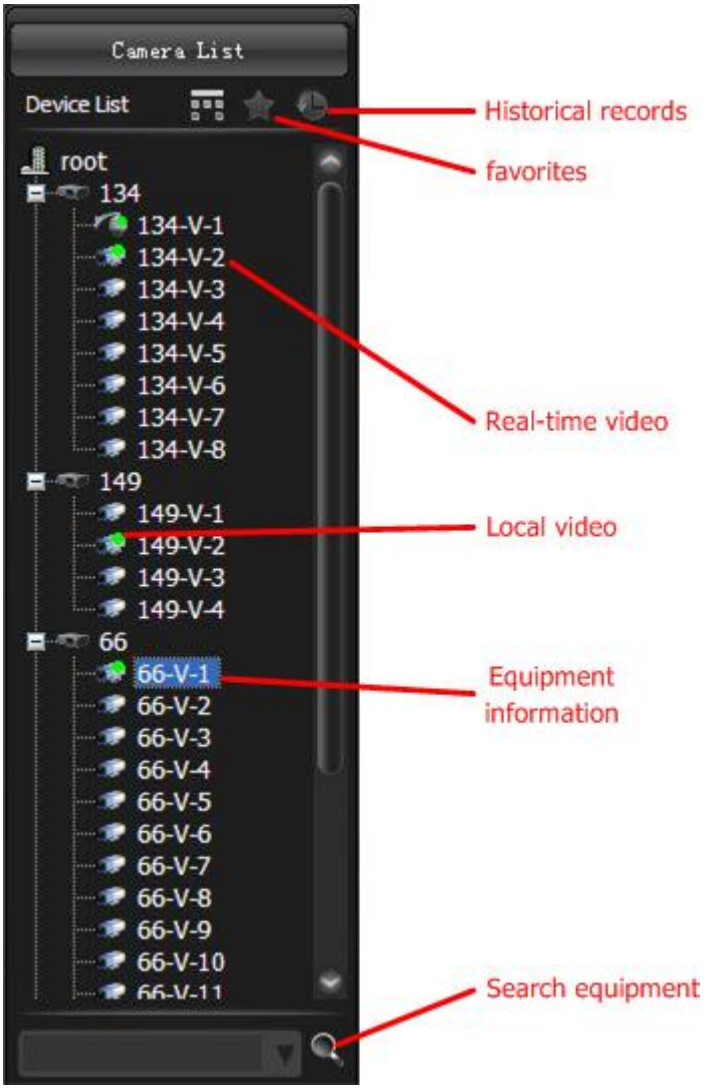


Diagram 6-1

Operation:

- Node:

  Click ⊞ to open the sublist.

  Click ⊟ to close the sublist .

- Switch to live view:

  Select a screen and double left click a camera to start the live view in this selected screen.

  Or drag a camera/device/node to a screen to play.

- Device information: move the mouse cursor to DVR or IPC to show the device information like IP, name, manufacturer and model.

- Start talk: select a camera and enable the voice talk in context menu, click again to stop talk.

- Add to “Favorite”: select a node/camera/channel and add to favorite in context menu.

- Playback interface position: Select a camera and position it to the playback interface by context menu.

- Set “Playback before”: Setting—>Local Set—>Other

- EMap position: select a camera and position it to the EMap by context menu

- Search: input device name or IP to search

- Context menu:

  Right click a device to execute the operations “add to favorite”, “timing”, “reboot”, “log in” and “config”

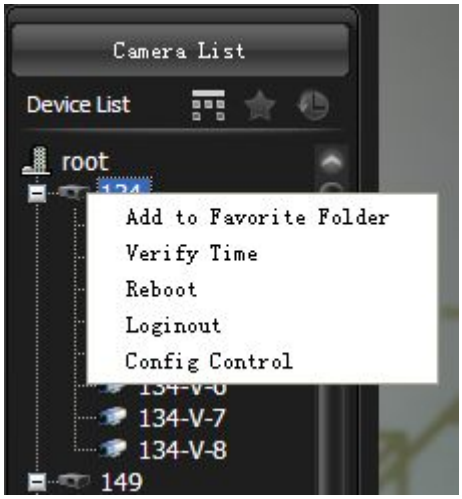


Diagram 6-2

Right click a camera to execute the operations “talk”, “add to favorite”, “go to playback” and “go to EMap”.

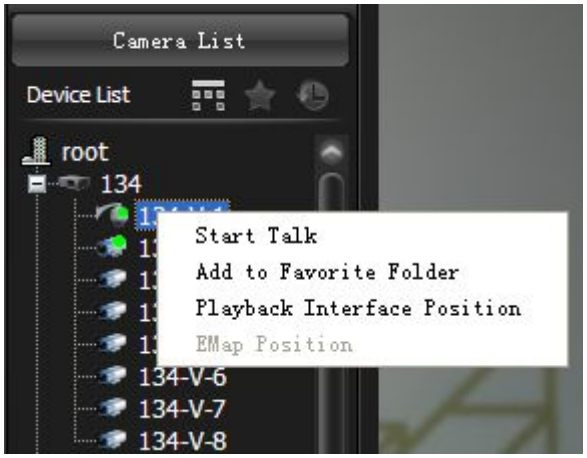


Diagram 6-3

6.1.2 LIVE VIEW

Play the live view in selected window or drag a node or a device to a window to play. (See “Diagram 6-4”) .

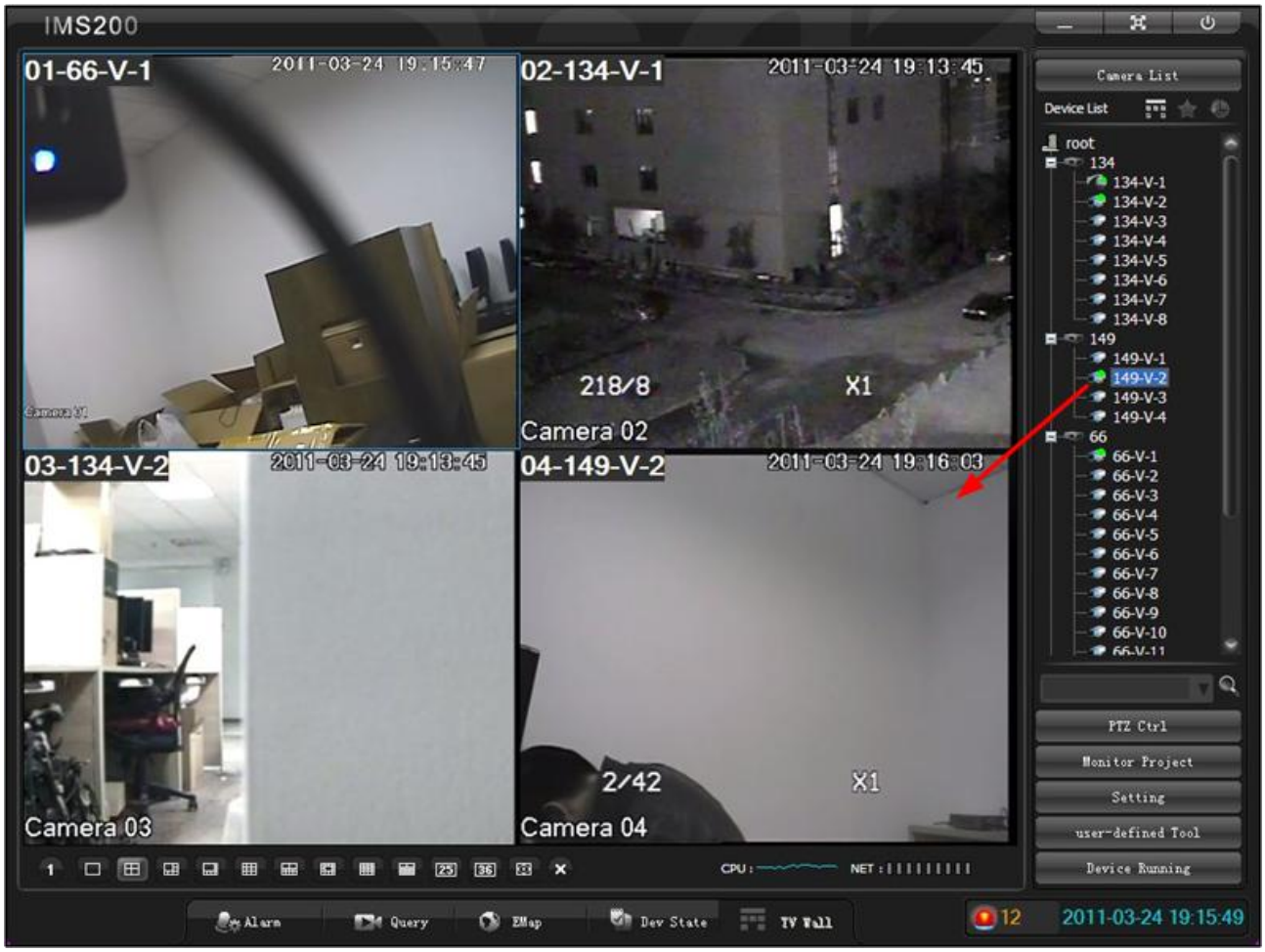


Diagram 6-4

Introduction:

1. the device with green spot refers this camera is in live view mode.

2. Select a window, the corresponding camera will be marked automatically.

3. Drag to change the screen position; double left click to maximize the image(single screen), double left click to go back.

Screen context menu: (See “Diagram 6-5”).

Diagram 6-5

Functions Description.

Control	Explain
Window	Show the window number

Voice talk	Start the voice talk(depend on the DVR function)
Snapshot	Snapshot in live image
Record	Save the video audio in local files
Output	Set the output audio and color
Save	Save the current window and camera as one task group Save the current video in “Favorite”
Go to	Position to playback or EMap
TV Wall	Send image to TV wall
Close	Close the selected window

Form 6-1

6.1.3 RECORD

Click the 【Record】 in [Setting]—>[Local Set]—>[Record].

Introduction : : in recording, : device, : channel

6.1.4 SNAPSHOT

Click 【Snapshot】 in context menu to save one single image of the video.

Path: Setting —> Local Set —> Record.

The default path: C:\Program Files\IMS200\PIC.

Save format: .bmp.

6.1.5 COLOR

You can modify brightness, contrast, saturation and hue in screen [context menu] —>[Output]—>[Color]. (see “Diagram 6-6”)

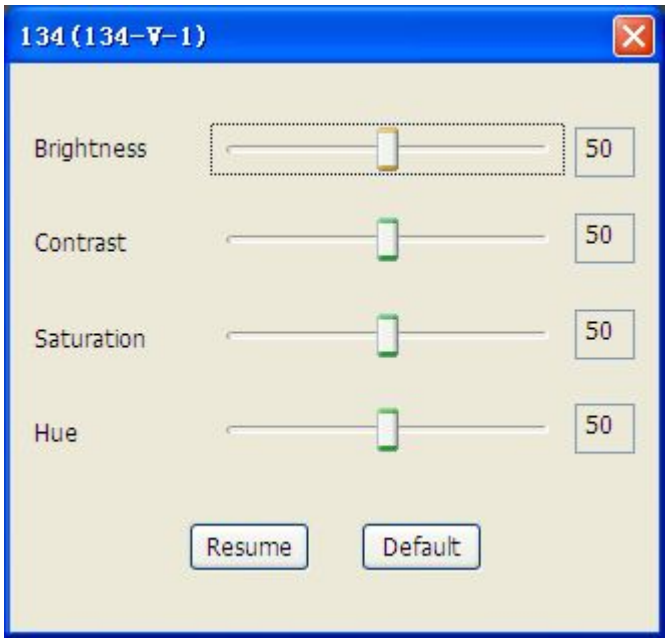


Diagram 6-6

Introduction: Resume: restore the last operation; Default: restore to the default status. This operation modify the screen output but not the headend cameras.

6.1.6 VOICE TALK

select 【Voice Talk】 in the context menu to acc

Introduction: multiple channels' voice talk are unsupported. The voice collector in DVR is necessary for apply this function.

6.1.7 GO TO

Playback: play the 10 minutes before record. (the default set 10 mins, you c

"Others"—>"Playback Before")

EMap: go to EMap which the camera belongs.

6.1.8 TV WALL

TV wall is supported, contact with the technical support staff for further information.

6.1.9 PARTITION

Partition options are first window, 1, 4, 6, 8, 9, 10, 13, 16, 20, 25, 36 windows, see “Diagram 6-7”.

Diagram 6-7

Introduction: the default partition is 4 windows

6.1.10 FULL SCREEN

Full screen icon is (see “Diagram 6-8”)

Diagram 6-8

Introduction:

1. the right side toolbar pop up as cursor move into this zoom, hided as cursor move out.

2. the bottom toolbar pop up as cursor move into this zoom, hided as cursor move out.

3. click “Esc” to exit.

6.1.11 CLOSE ALL WINDOW

Click to close all screens.

6.2 QUERY

“Query” include “Playback”, “Download”, “Search” and “Alarm Show”.

6.2.1 PLAYBACK

Click 【Query】 to pop up the Play back interface (see “Diagram 6-9”) .

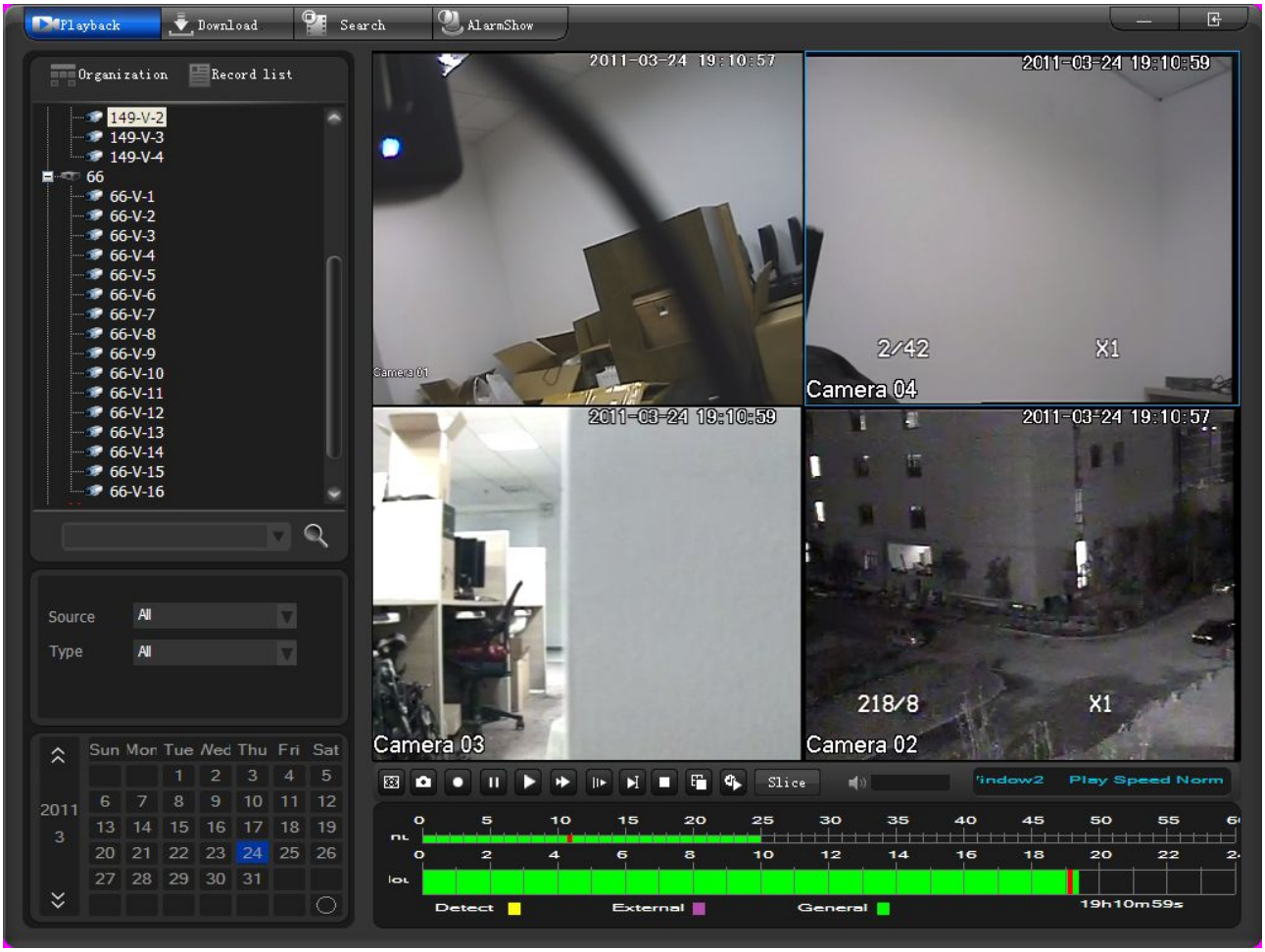


Diagram 6-9

Select a camera in “Organization” —>select the “source”(all, device, platform) and “type”(all, external alarm, motion detect, general record)—>double left click the date to list all records of that day (the time band with color refers the different record types in that period). You also can choose any time period by dragging, see “Diagram 6-10”.

Diagram 6-10

Green: General Yellow: Motion Detect Purple: External Alarm

Select the hour and minute separately and play that record.

Click to synchronize four windows' record time with the selected specific window

---

Introduction: the prompt as "Diagram 6-11" will pop up as the search is failed.

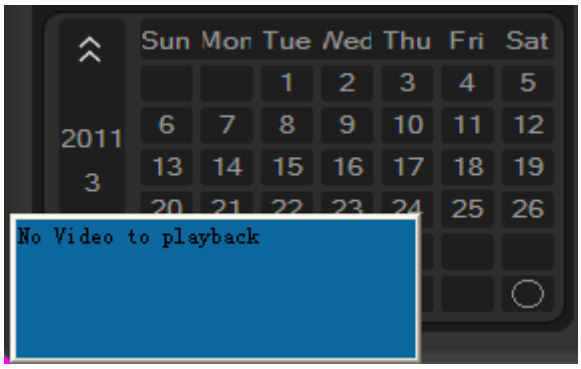


Diagram 6-11

"Diagram 6-12" shows the playback toolbar

Diagram 6-12

fast: 2, 3, 4, MAX times faster playback

slow: -2, -3, -4, MIN slow playback

All the searched record results list in

, see "Diagram 6-13".

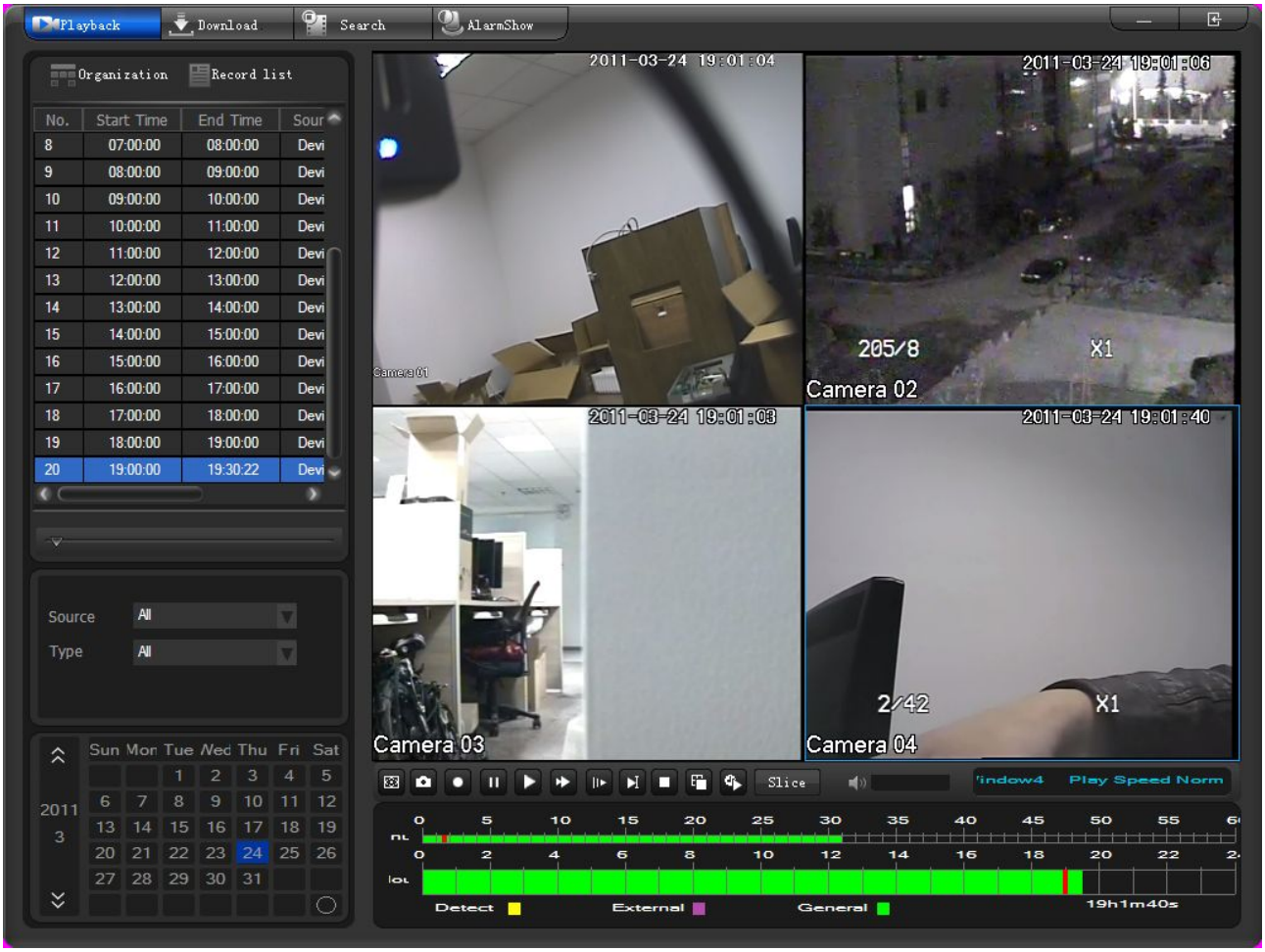


Diagram 6-13

The record with blue color is the one in playing.

Double left click a record in list to play.

Double left click a window to switch to full screen mode (see “Diagram 6-14”) and click again to exit.

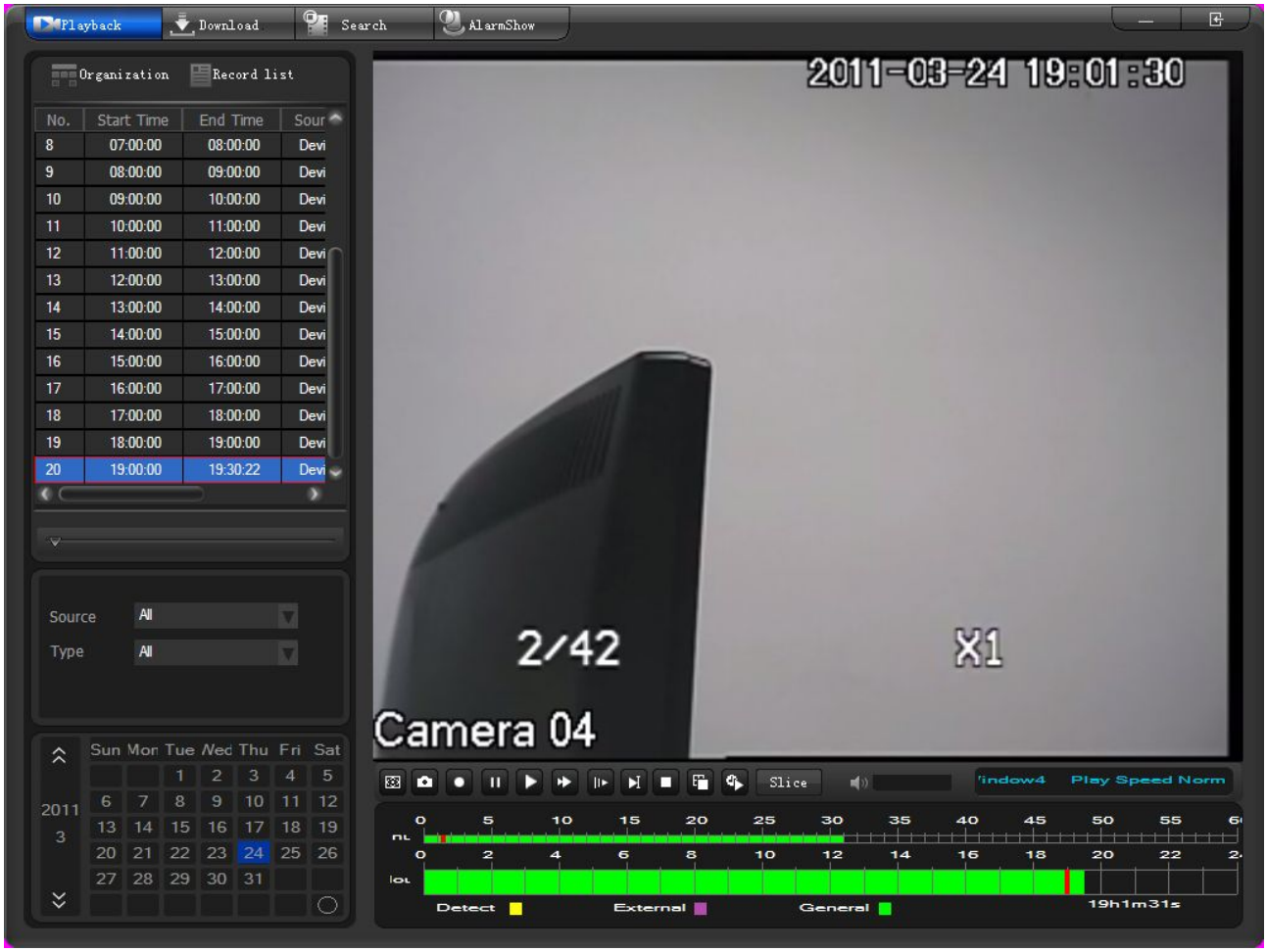


Diagram 6-14

6.2.2 SLICE

Click to operate on the records which have been searched out in the following interface. See “Diagram 6-15”

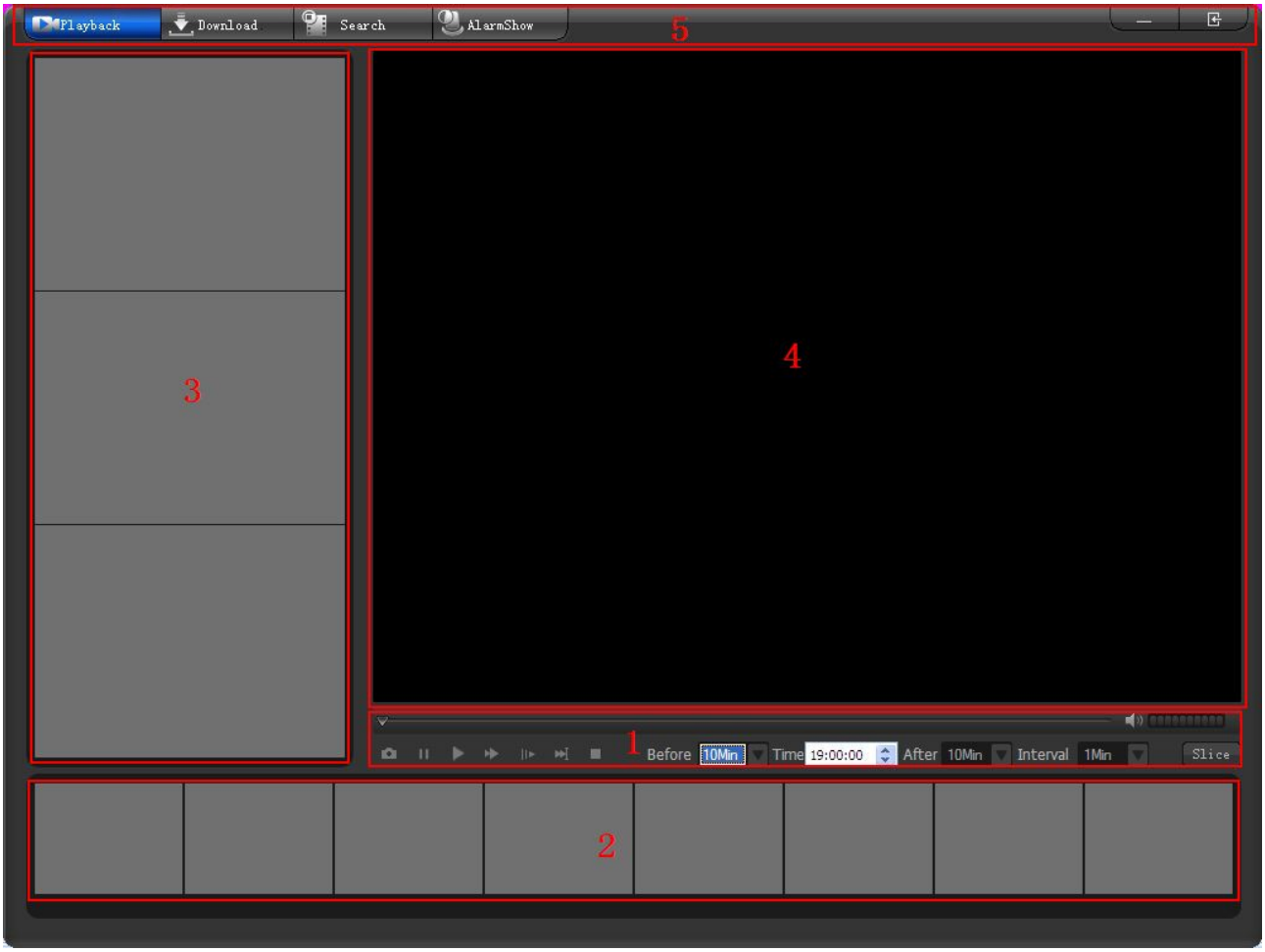


Diagram 6-15

1. Toolbar

The operations include snapshot, pause, play, fast, slow, single frame and stop.

Define the slice duration and its previous or after time period. There are 1, 2, 5, 10, 15, 20, 30 mins time length for selecting.

Note: the slice toolbar function and operation are similar with the records playback toolbar. Please consult that for reference.

2. Bottom slice image

Click Slice as you set the slice duration and previous or after time period. The system will automatically run the slice process accourding the setting. See“Diagram 6-16”

Diagram 6-16

The first eight slice image will be illustrated on the bottom. If the slice pictures are more than eight, there will be a floating arrow for scroll display.

3. Side slice image

Left single click image, the pic will be enlarged and display the previous and next slice image at the same time. See “Diagram 6-17”

Diagram 6-17

The selected image is displayed in the middle, the other two image are put as the time sequence.

4. Playback

Double left click the slice image to playback the record video from the time point of this slice. See “Diagram 6-18”

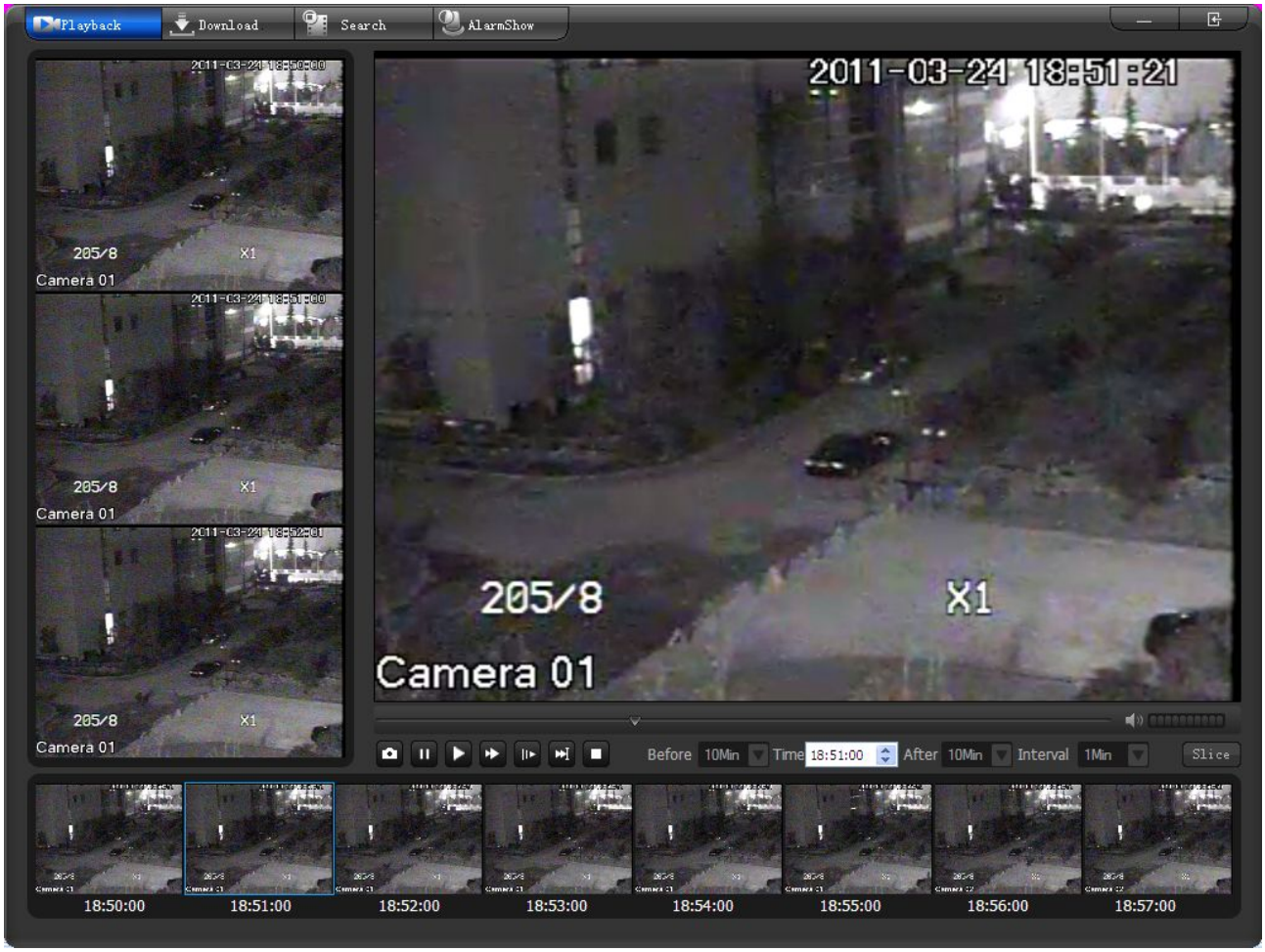


Diagram 6-18

5. Menu

Exit the video slice and switch to playback, download, video search and alarm page.

6.2.3 DOWNLOAD

Click

to turn to the [Download] interface. (see “Diagram 6-19”)

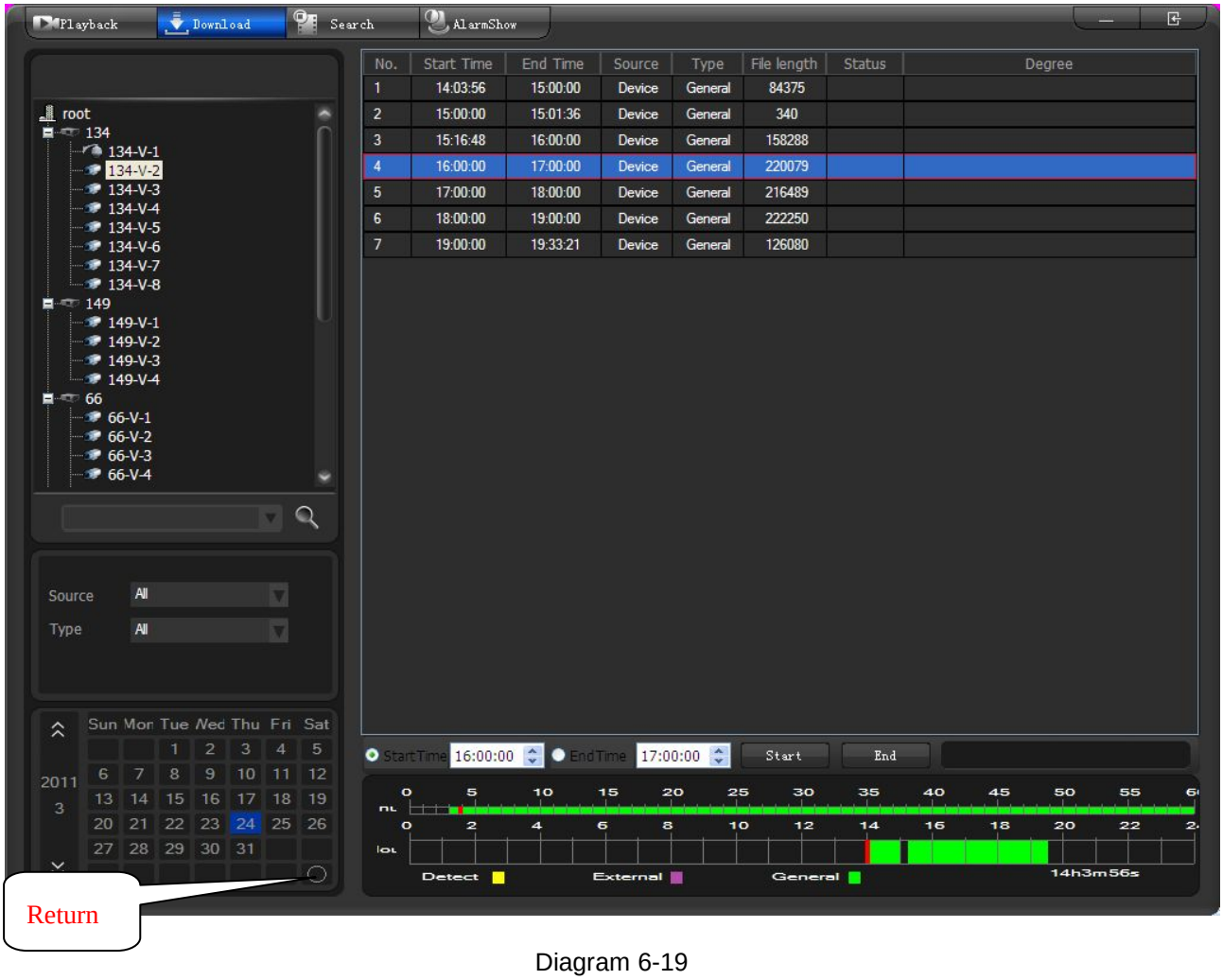


Diagram 6-19

Select a camera in device list first, then define the record “source” (all, device, platform) and “type” (all, external alarm, motion detect, general record), at last double left click the records date to get the search results list. Select the record in the list directly or select by time that operate in the time slider. Right click or double left click to start the download. (See “Diagram 6-20”)

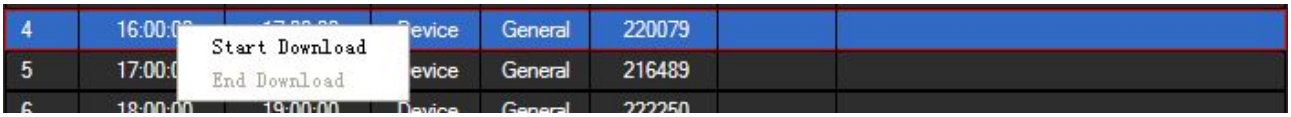


Diagram 6-20

Set the records path in [Local Set] interface, the record format is “.dad”.

“Diagram 6-21” shows the record loading progress.

Diagram 6-21

Input the start and end time, click to download all the records in this period. Click to stop download. (See “Diagram 6-22”)

Diagram 6-22

Introduction: you can not download and playback the same channel records at the same time. The system will stop the playback automatically when you start downloading.

6.2.4 SEARCH

Click to turn to the interface like the “Diagram 6-23” shows.

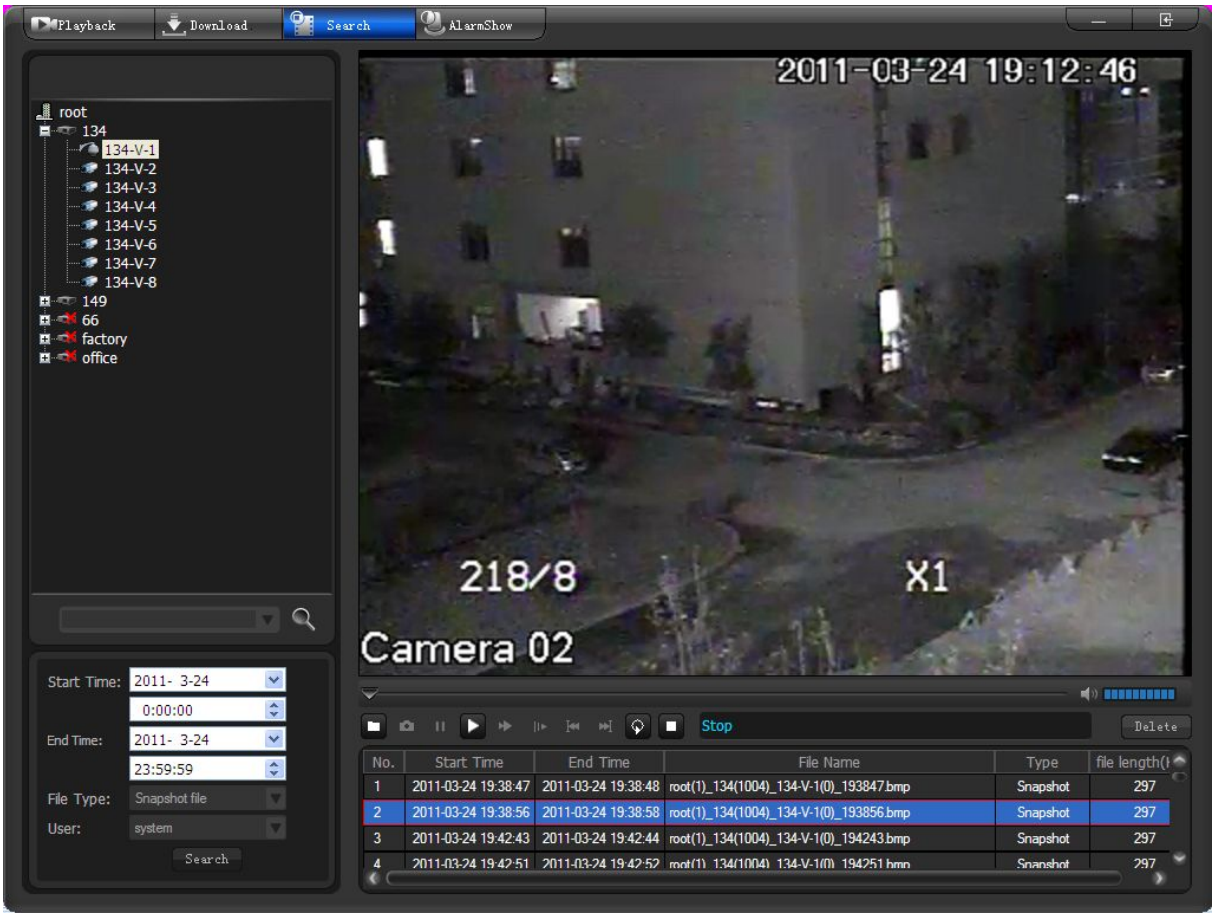


Diagram 6-23

Select a node or a camera in device list first, then define the “start time”, “end time”, “file type” (voice talk, local record, snapshot file, download file) and “user”, at last click 【Search】 to can play a record by “Play” button or double right click it. (See “Diagram 6-24”)

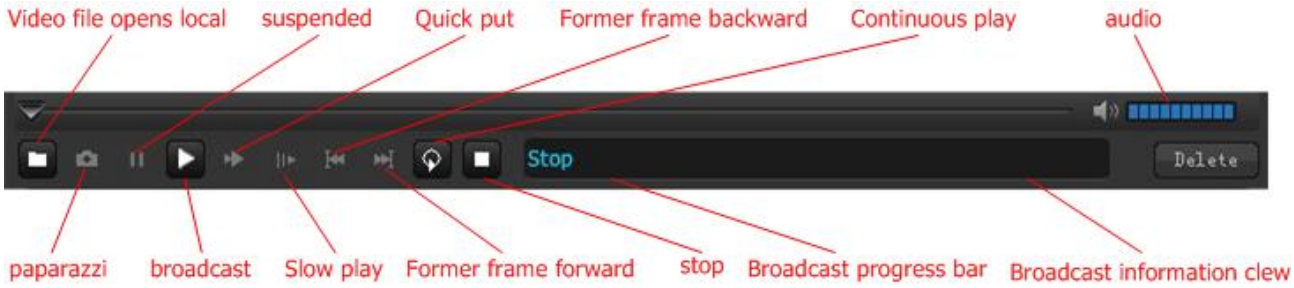


Diagram 6-24

You can recycle play the video records but not the snapshot file.

6.2.5 ALARM SHOW

Click to turn to the interface like “Diagram 6-25”.

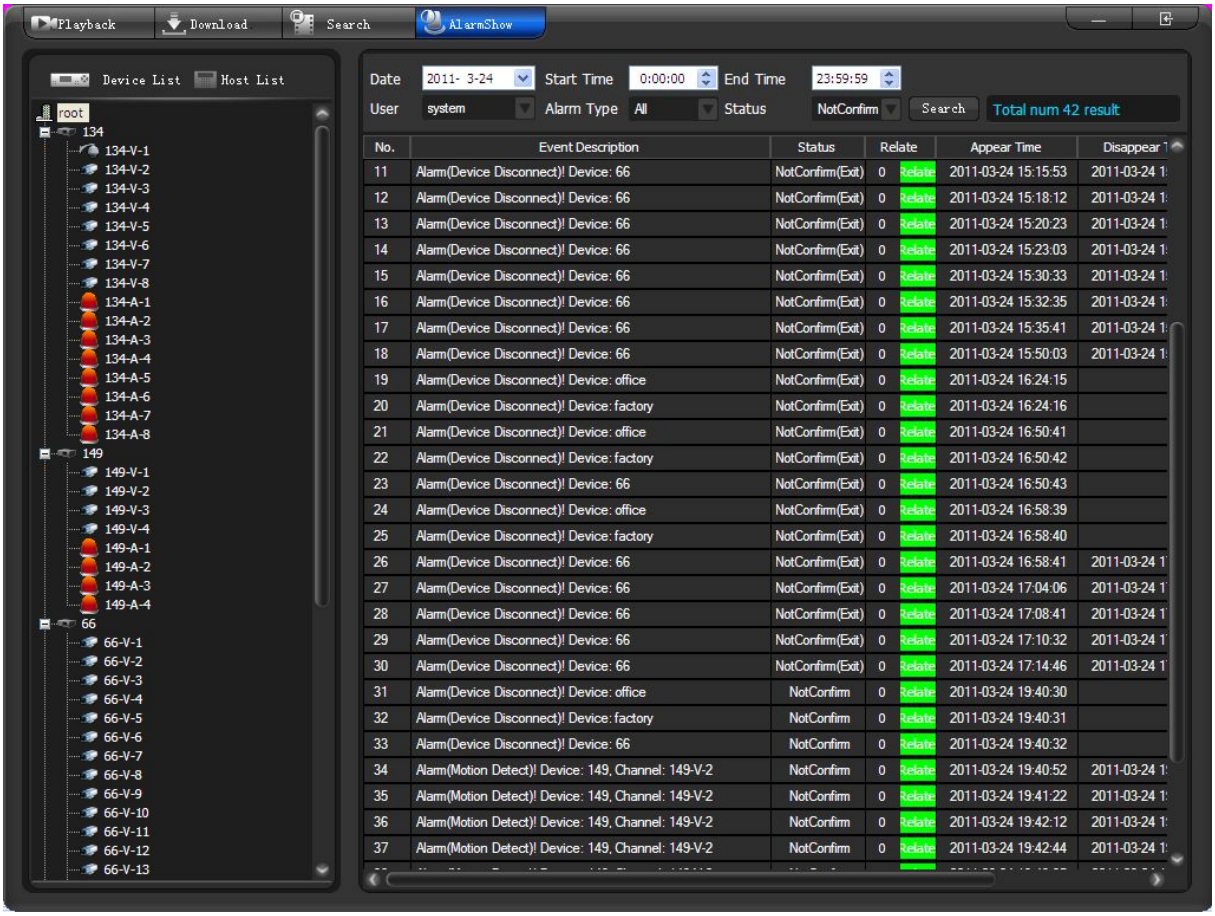


Diagram 6-25

Select a node or a camera in device list first; then define the “date”, “start/end time”, “user”, “alarm type” (all, video loss,external alarm, motion detect, camera masking, device disconnection, host alarm) and “status” (not confirm, confirm); at last click【Search】to get the result list. The number of the required records show in the blank following the 【Search】button.

6.3 ALARM

The system supports six type alarms (video loss, external alarm, motion detect, camera masking, device disconnection and host alarm). As soon as the alarm occur, the related device will automatically position and make reaction to the alarms. The alarm relate include sound, video, EMap, TV wall, output (SMS, voice message).

Click to pop up the interface like “Diagram 6-26”.

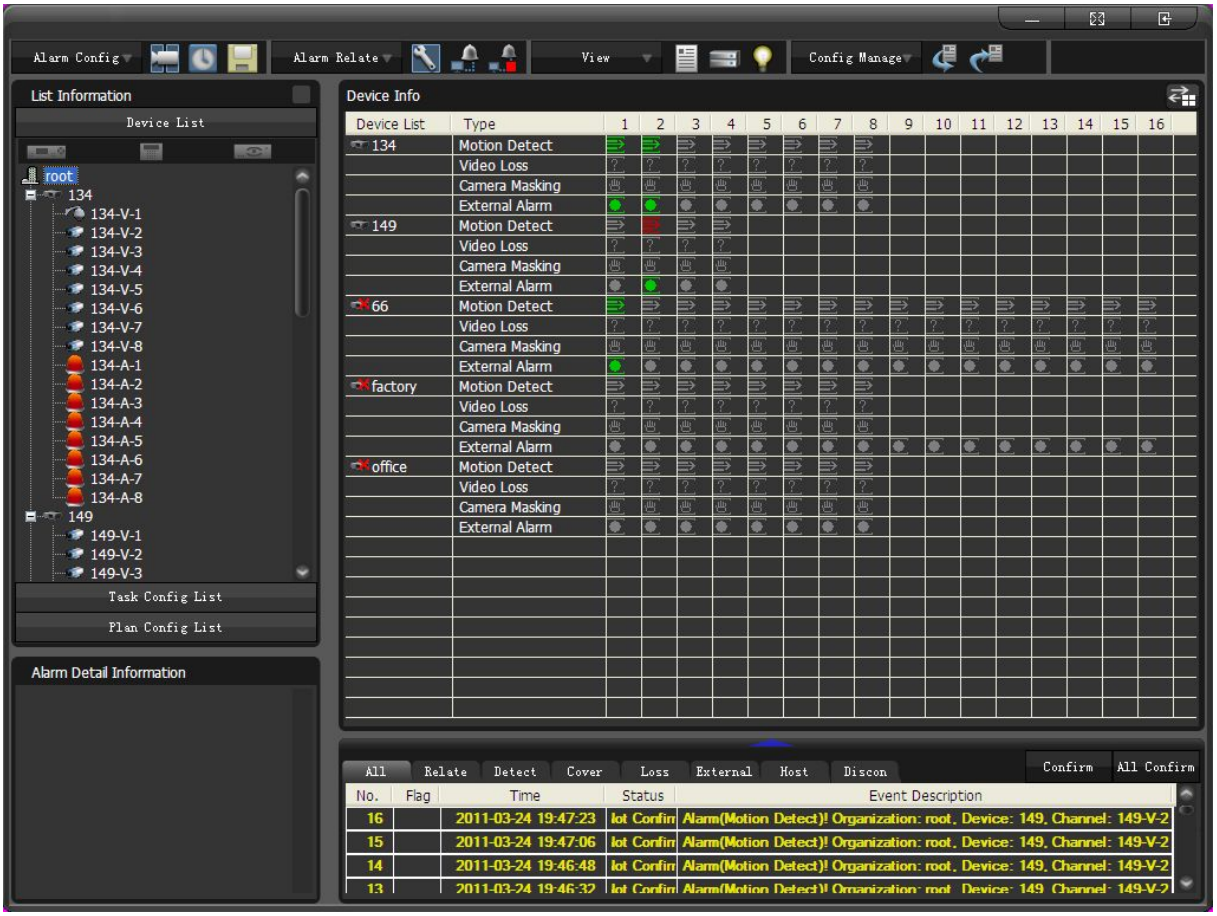


Diagram 6-26

Top: toolbar (See “Diagram 6-27”)

Diagram 6-27

Stop all relate: stop all alarm relates

Import: import alarm configuration

Export: export alarm configuration

Confirm: confirm the alarm and stop all relates

Click to change the device information format. Double left click a device to illustrate all the sub channels.

You can rank the list by [ew]on(See “Diagram 6-28”)

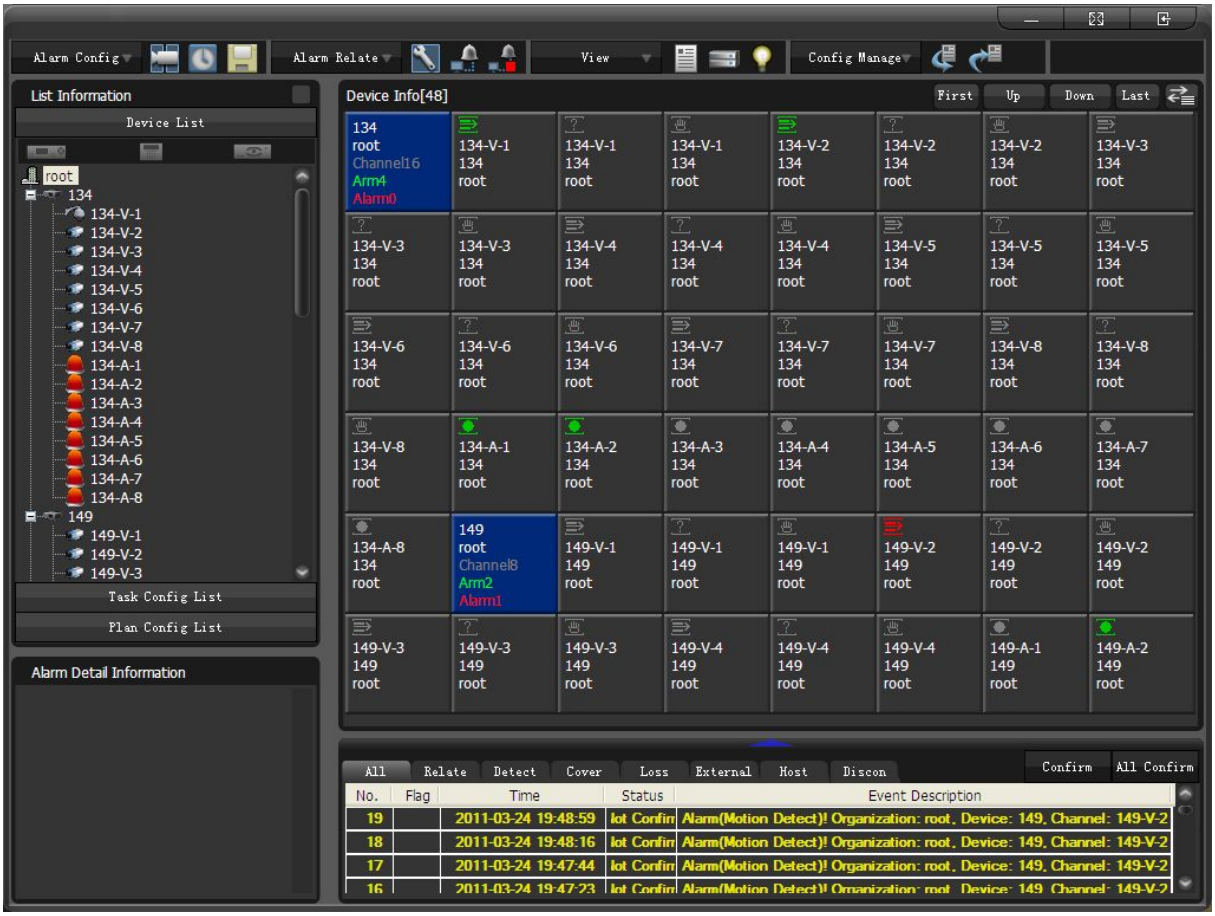


Diagram 6-28

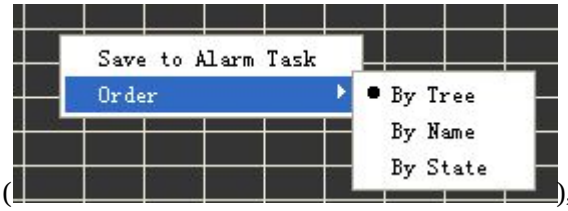
Left: device list and alarm detail information

Right: device information

Right click on the alarm icon (

or

) and preview the relates.

Right click the blank to save the current status as an alarm task (

), or choose a rank type.

Bottom right is the event list. Click to deploy the event list, like “Diagram 6-29”.

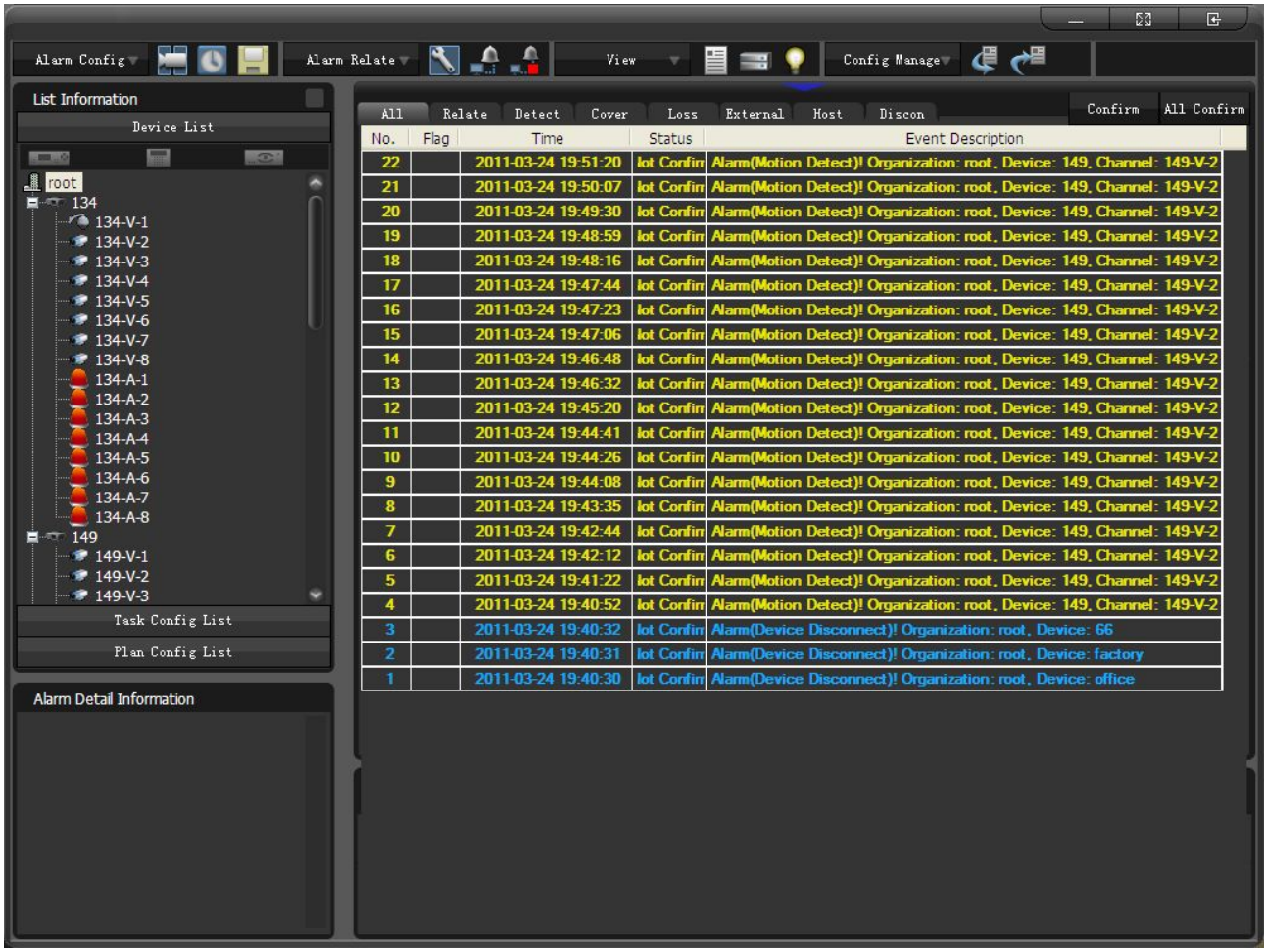


Diagram 6-29

Alarm configuration steps:

1. Task

There are FOUR methods to set task. The task icon will be in green as you set the task.

① manually right click on the camera/device/node to enable or stop the tasks.

② Select the alarm type in device list, e.g. set the task for all the devices and alarm type of “134” group.

③ right click on the alarm icons -- , , , to enable or stop the tasks.

④ set a task first and tick the items. This is the most convenient way to set the task.

Plan the time periods for different tasks. Please refer 6.3.1 TASK CONFIG, 6.3.2 PLAN CONFIG

Introduction: stop task is the same method as enable it.

2. Global config , please refer chapter 6.3.4 GLOBAL CONFIG

3. Relate config, please refer chapter 6.3.3 RELATE CONFIG

After you set the task, global config and relate config, the alarm icons on screens will be in red as alarm occur. The alarm relates are:

- Sound: enable the function and select a audio file（format: .wav）
- TV wall: enable the function, the alarm video will be send to TV wall as the alarm occur.
- Alarm interface: enable the function, the alarm interface will pop up as the alarm occur. (See “Diagram 6-30”)

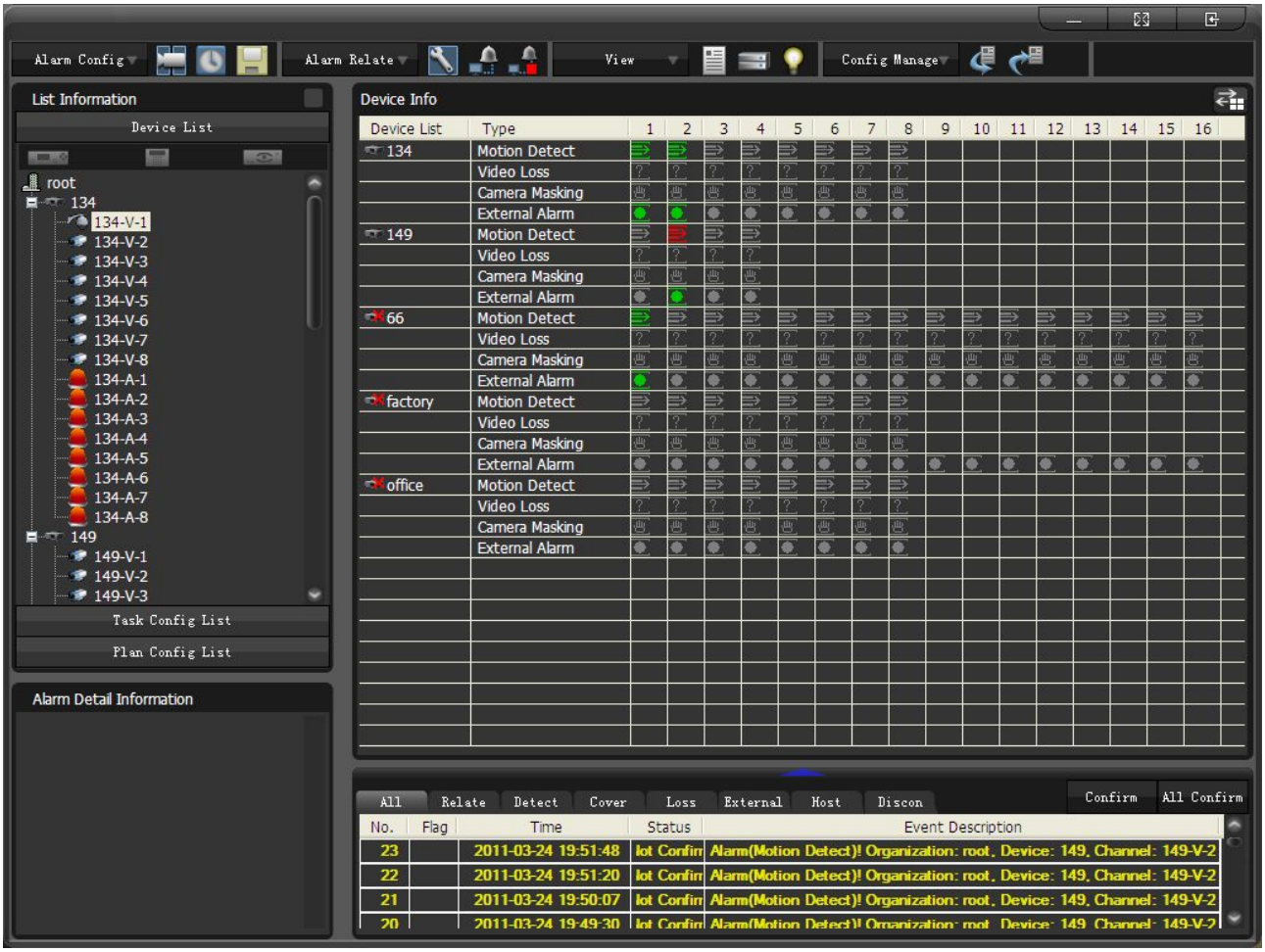


Diagram 6-30

Relate the alarm video, support maximum 4 channels. (See “Diagram 6-31”)

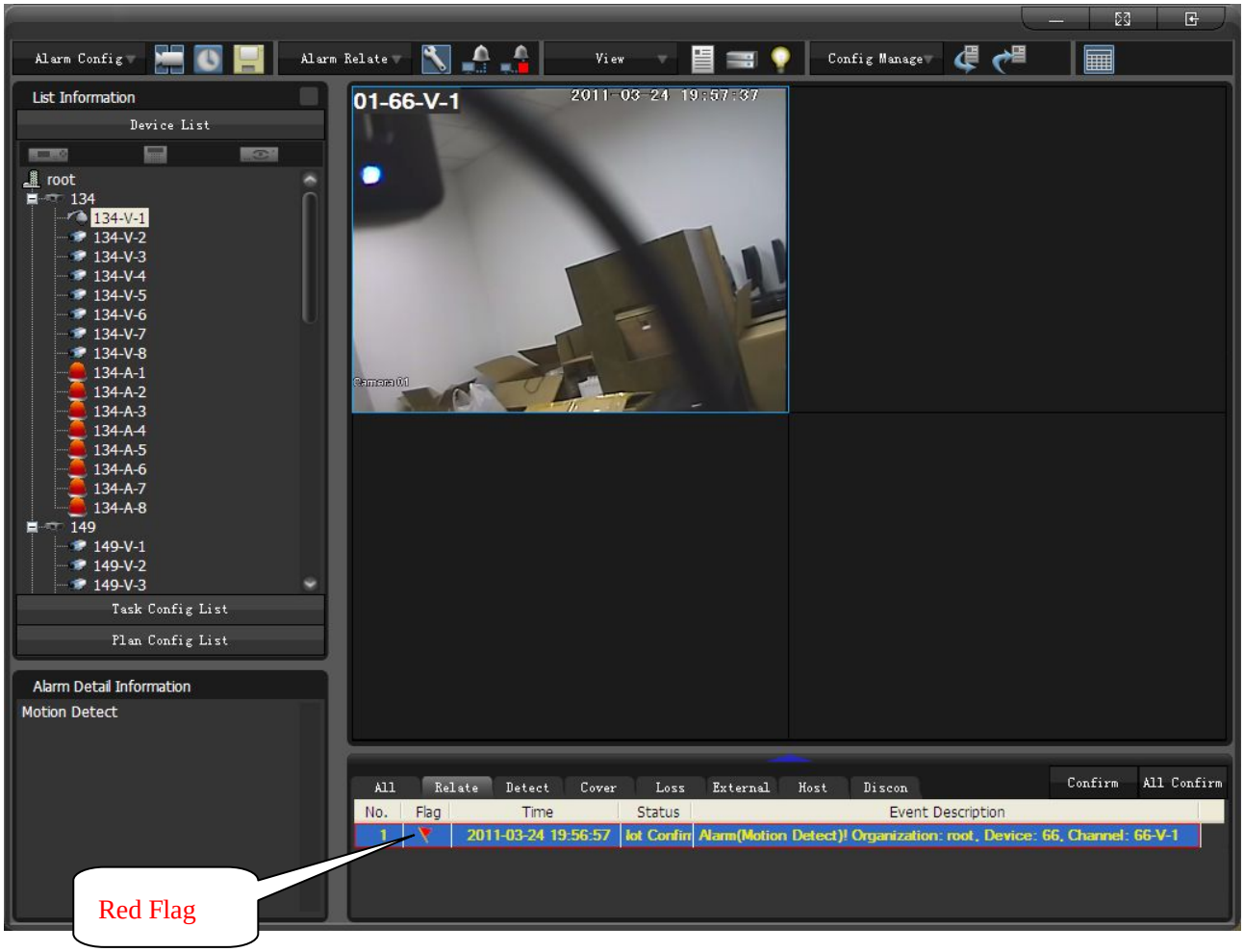


Diagram 6-31

On the popup screen, you can find a voice talk icon to apply this function. (See “Diagram 6-32”)

Diagram 6-32

Introduction:

1. the on playing relate video corresponding with the flag alarm record.

2. double left click the alarm record to check the relate video when there are more than one alarms occur.

3. turn to the next or previous video by down and up icon.

4. click “Confirm” to end the video relate.

5. double left click to full screen this window.

The alarm icon will show on the screen as the alarm occur

Diagram 6-33

: Motion detect; : video loss; : camera masking; : external alarm

If you set the alarm relates EMap, the map with alarm indicators will pop up when the alarm occur. (See “Diagram 6-34”)

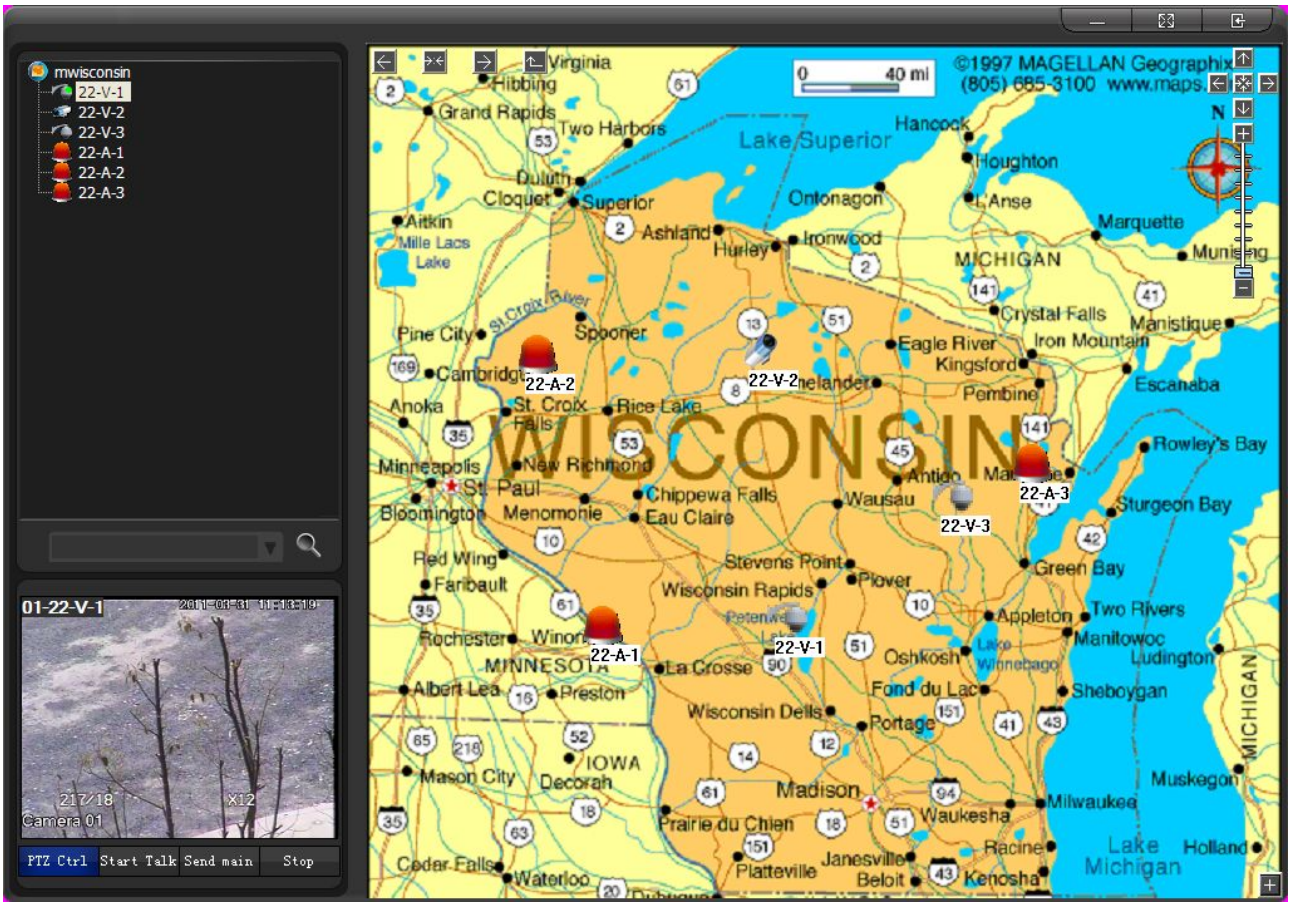


Diagram 6-34

- SMS output and talk output are selectable. Alarm records will be sent to your phone by SMS or output by sound device.

Introduction: you have to install DMSS and alarm output software for alarm SMS output.

6.3.1 ALARM TASK CONFIG

Click 【Task Config】 to pop up the interface as “ Diagram 6-35”.

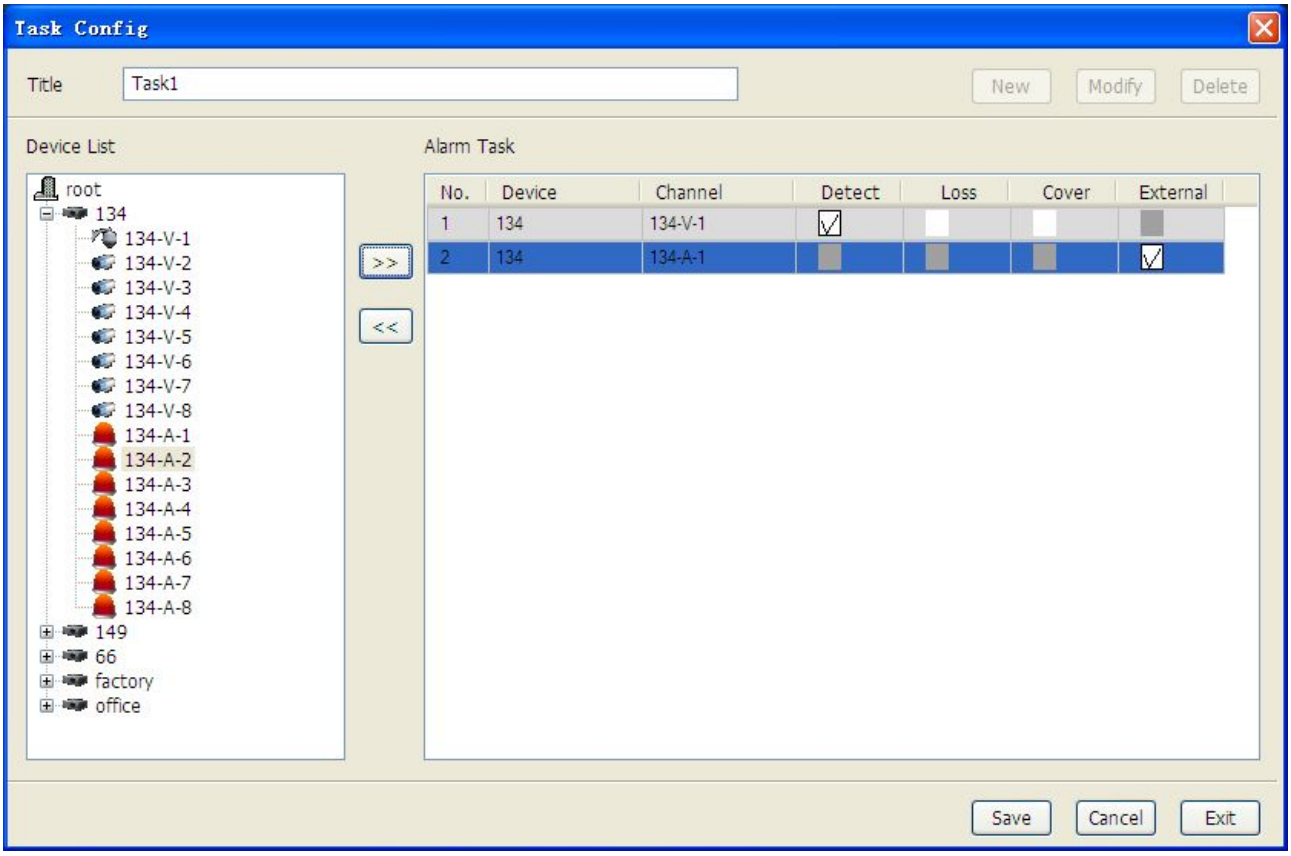


Diagram 6-35

Click >> button to add the selected devices for a alarm task by new task.

Click to edit and enable the alarm type.

Click 【Delete】 to delete a task.

Introduction: the running tasks are still valid after you restart the system.

6.3.2 ALARM PLAN CONFIG

Set plans to apply the tasks in particular time periods.

Click 【Alarm Plan Config】 to pop up the interface as " Diagram 6-36".

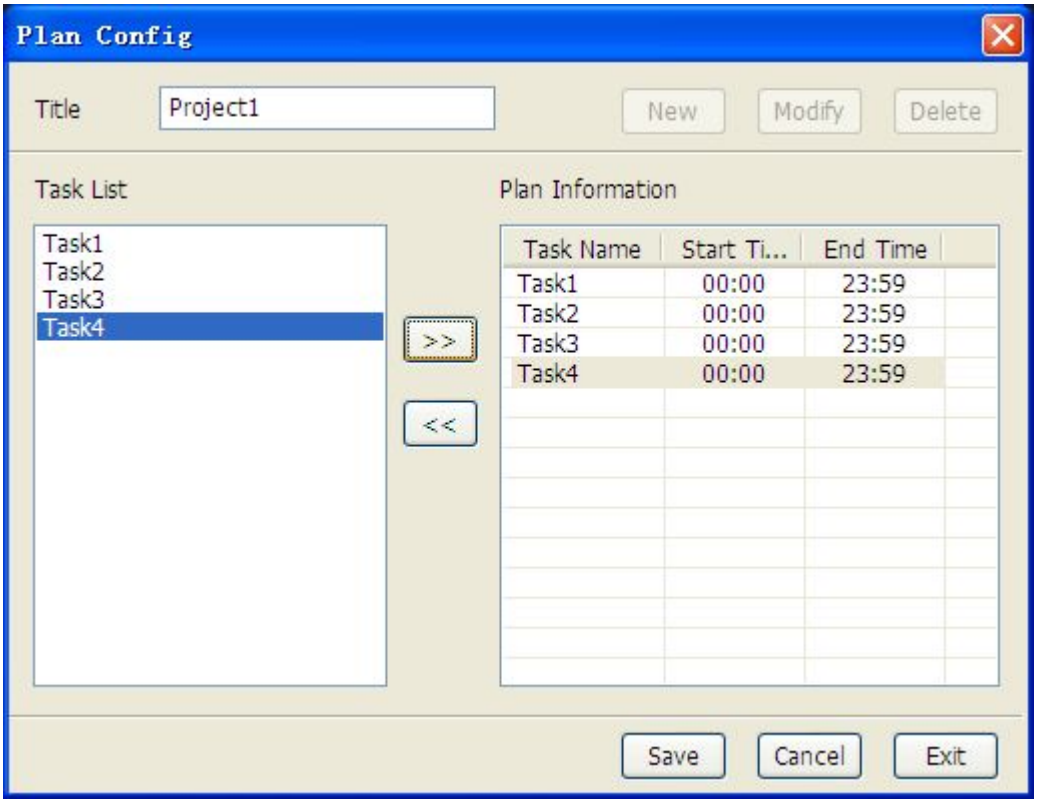


Diagram 6-36

Plans will be automatically canceled when all the tasks are canceled.

6.3.3 RELATE CONFIG

Click【Alarm】 -> 【Relate Config】to pop up the interface as " Diagram 6-37".

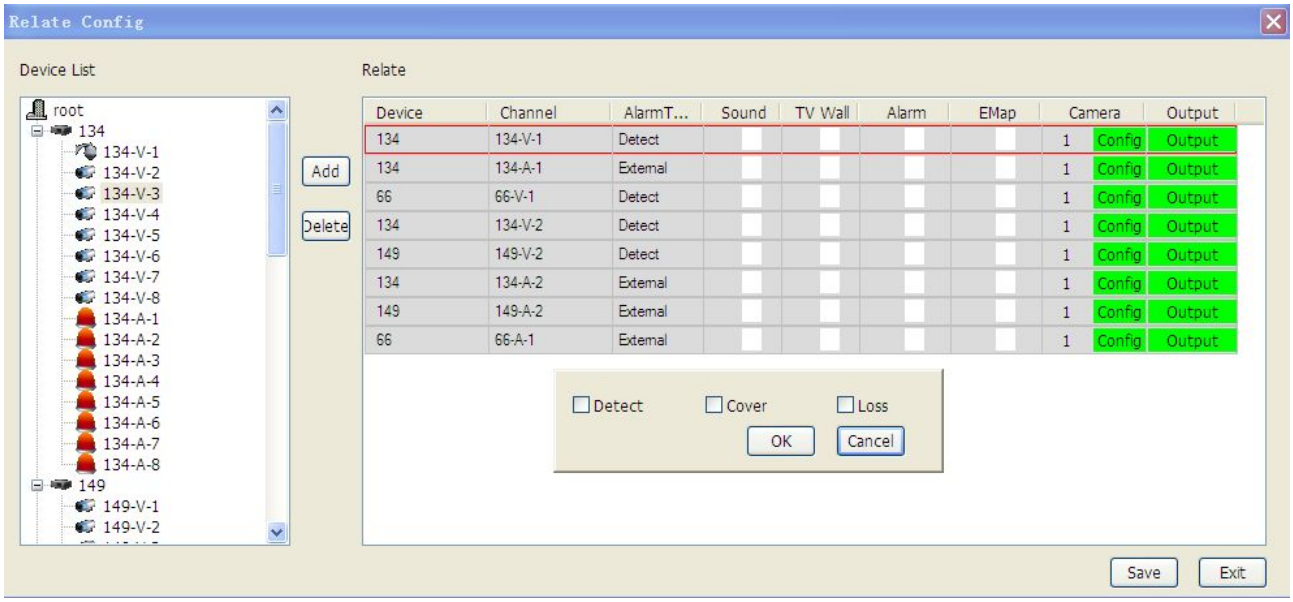


Diagram 6-37

Select the device in list and add it to the relate. (See “Diagram 6-38”)

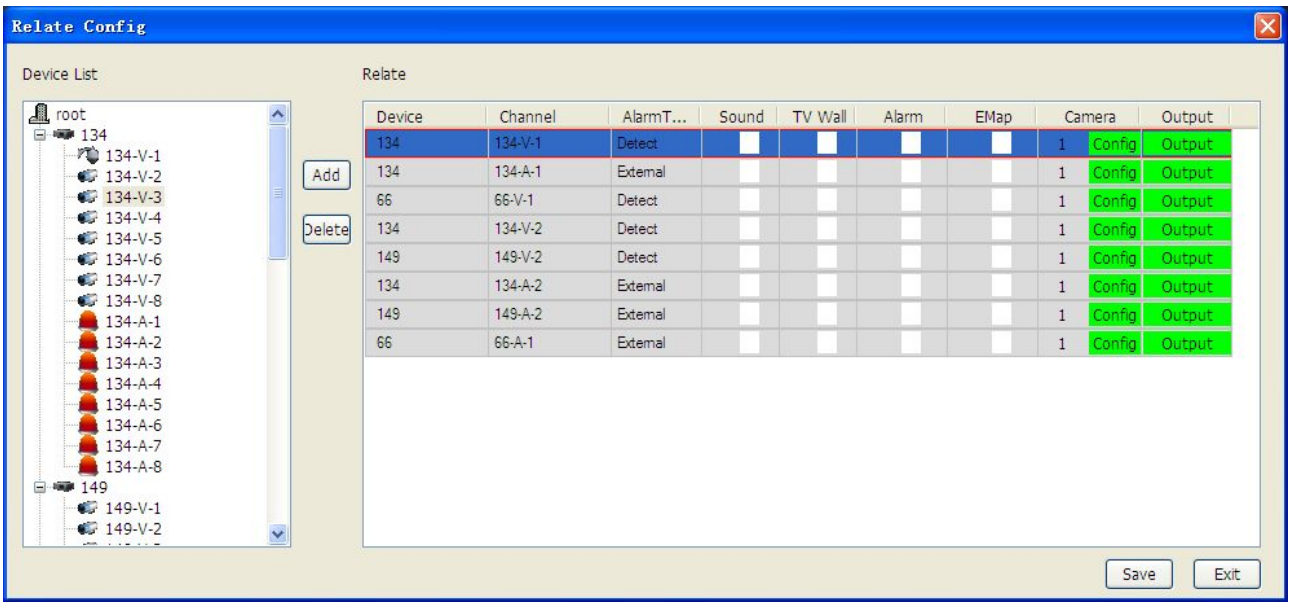


Diagram 6-38

Tick the alarm type which include sound relate, TV wall relate, EMap relate and alarm interface relate.

Click the camera [Config] to pop up the window like “Diagram 6-39”

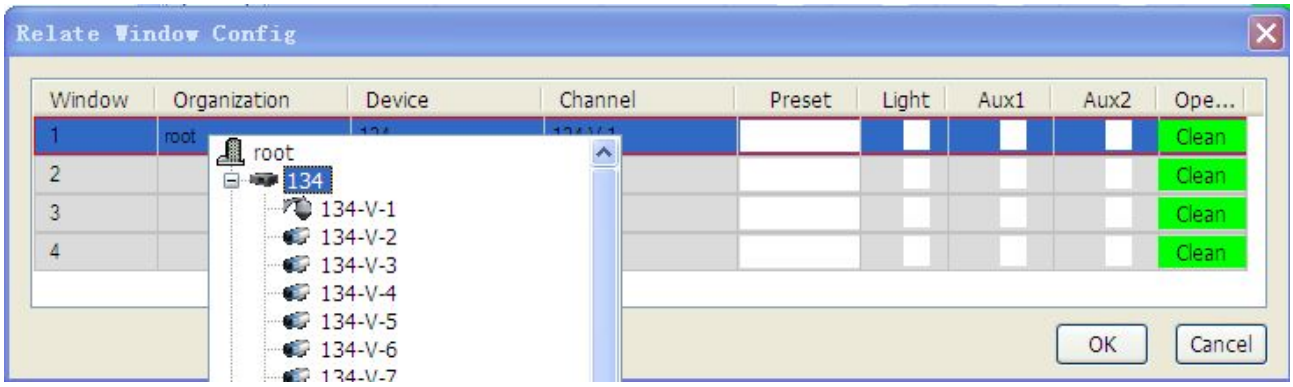


Diagram 6-39

Click the 【Output】 to configurate the SMS output and talk output. (Diagram 6-40)

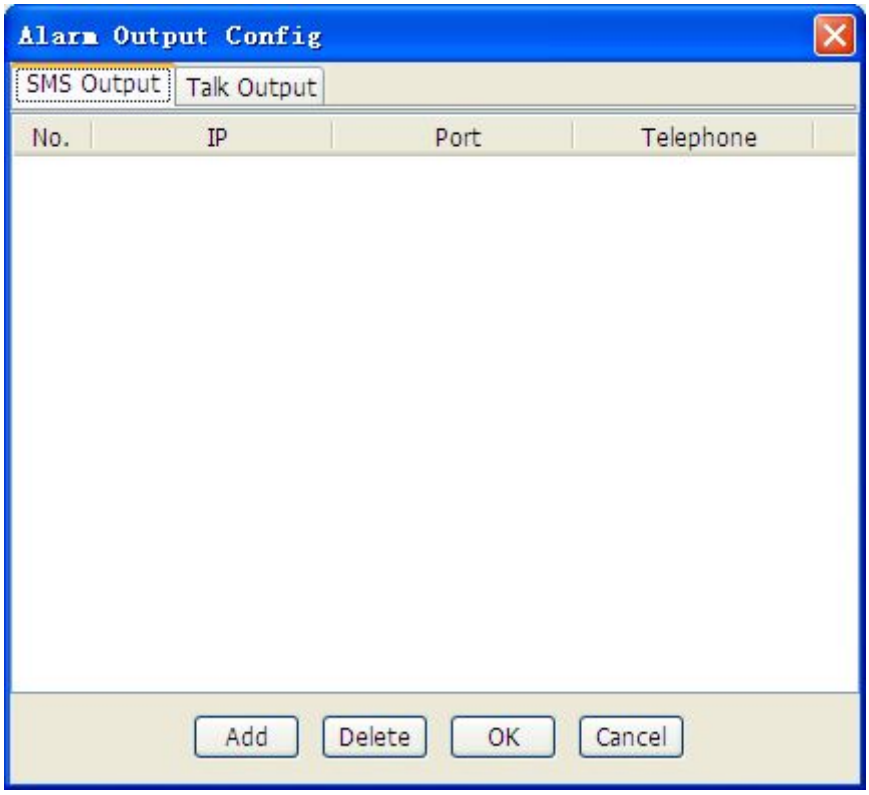


Diagram 6-40

6.3.4 GLOBAL CONFIG

Click 【Global Config】 to pop up the following interface which include motion detect, cover, video loss, external alarm, host alarm and disconnection alarm.

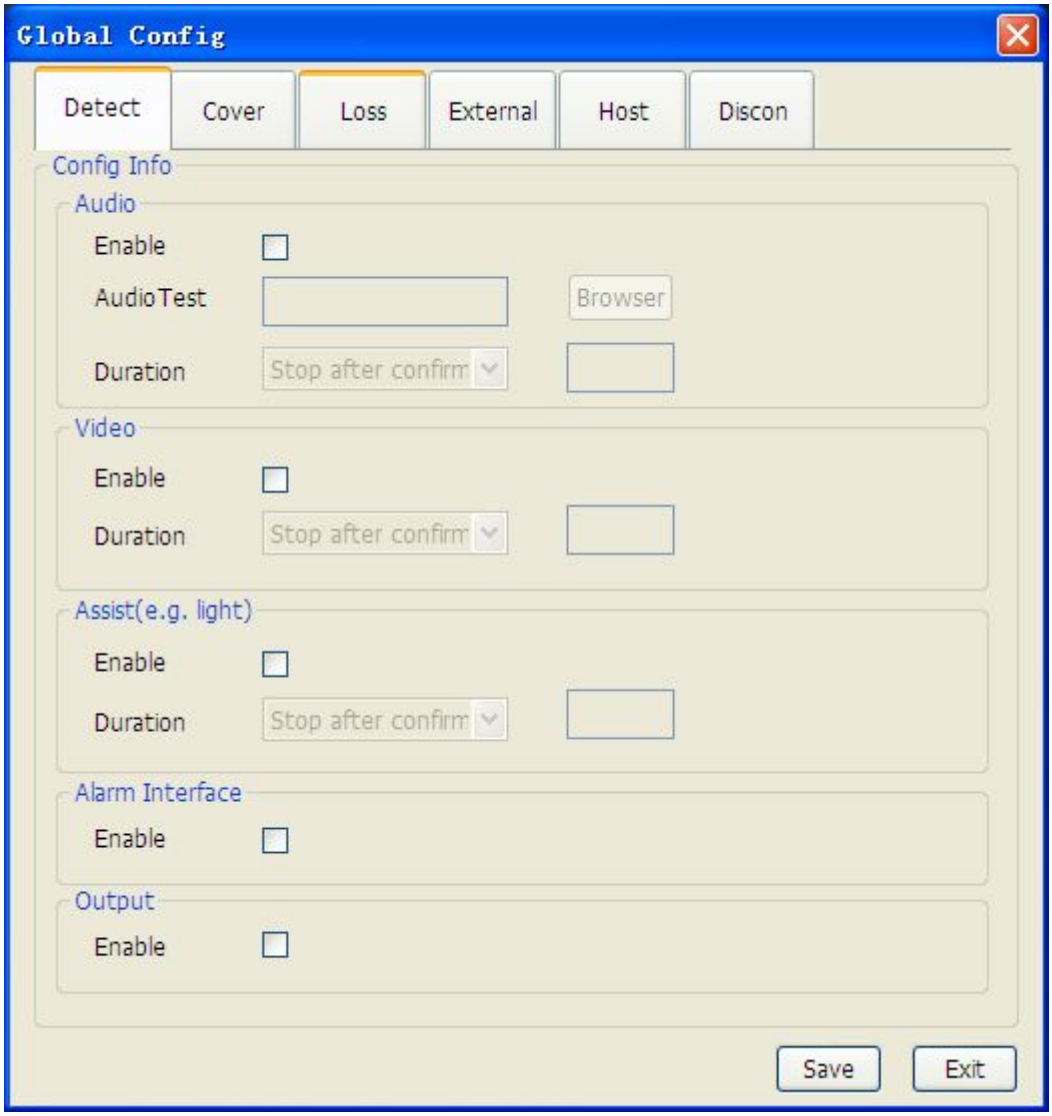


Diagram 6-41

Audio: enable or disable the function. You can select sound and set duration.The audio format is WAV.

Video: enable or disable the video relate. Set popup video duration.

Assist (e.g. light): enable or disable the assist devices and set the devices start time

Alarm interface: enable the popup alarm interface

Output: enable or disable the alarm output

Introduction: global config aim to the whole system. You have to enable the alarm relate and then set the SMS and talk output.

6.4 PTZ CONTROL

Open the PTZ interface of authority camera to set step, zoom, focus, iris, preset, auto tour, aux and etc. Click 【PTZ Ctrl 】 Diagram 6-42 Do open the toolbar as “

Diagram 6-42

Introduction: PTZ function is available for PTZ authority.

Description

Control	Explain
Direction key 8 direction	Up，down，left，right，upper left，upper right，lower left，lower right
SIT	Single click on screen and position this point to the centre

	Support 1-36 zoom in/out function enlarge the selected screen by dragging bottom-up,vice versa.(only controlled by mouse)
Simulate joystick	Enable the function,control the step and camera movement by simulate joystick.Scroll wheel control the camera zoom.
Step	There are 1-8 degrees
Zoom	Control the camera zoom
Focus	Modify the definition
Iris	Modify brightness
Preset	When Pan/Tilt moves to the target position, input the preset number and save it.
Auto tour	Auto tour lines
Aux	Light on,light off

Form 6-2

6.4.1 PRESET

Click [PTZ] -> [PRESET] -> [Setup] -> Input the number, name and save this preset.

Diagram 6-43

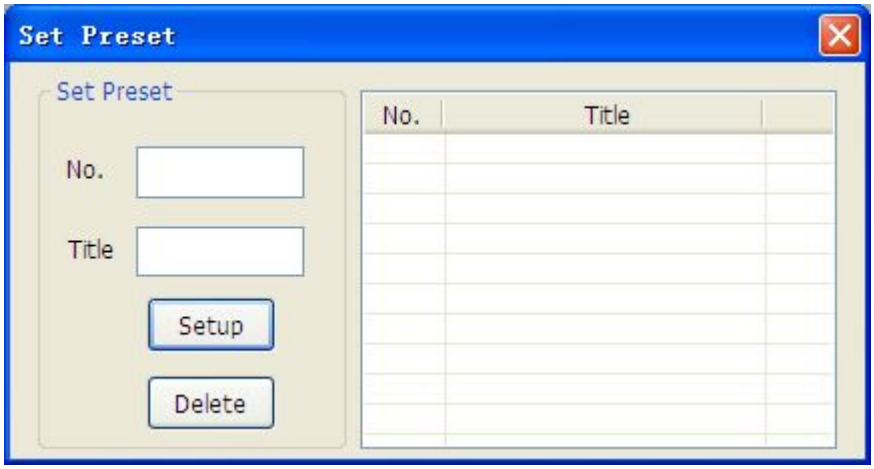


Diagram 6-44

Introduction: preset number is 1-128, the name could be in number, letter or symbol, the minimum length is 16 characters.

Select a preset and click 【Delete】 to cancel it.

Back to PTZ control, select preset form list like “Diagram 6-45” then click 【Go To】 to c

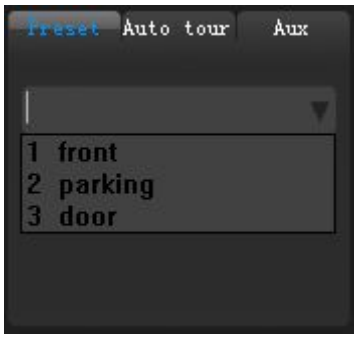


Diagram 6-45

6.4.2 AUTO TOUR

Click 【PTZ】->【CRUISE]-> 【Setup】 to pop up the auto tour window like “Diagram 6-46”

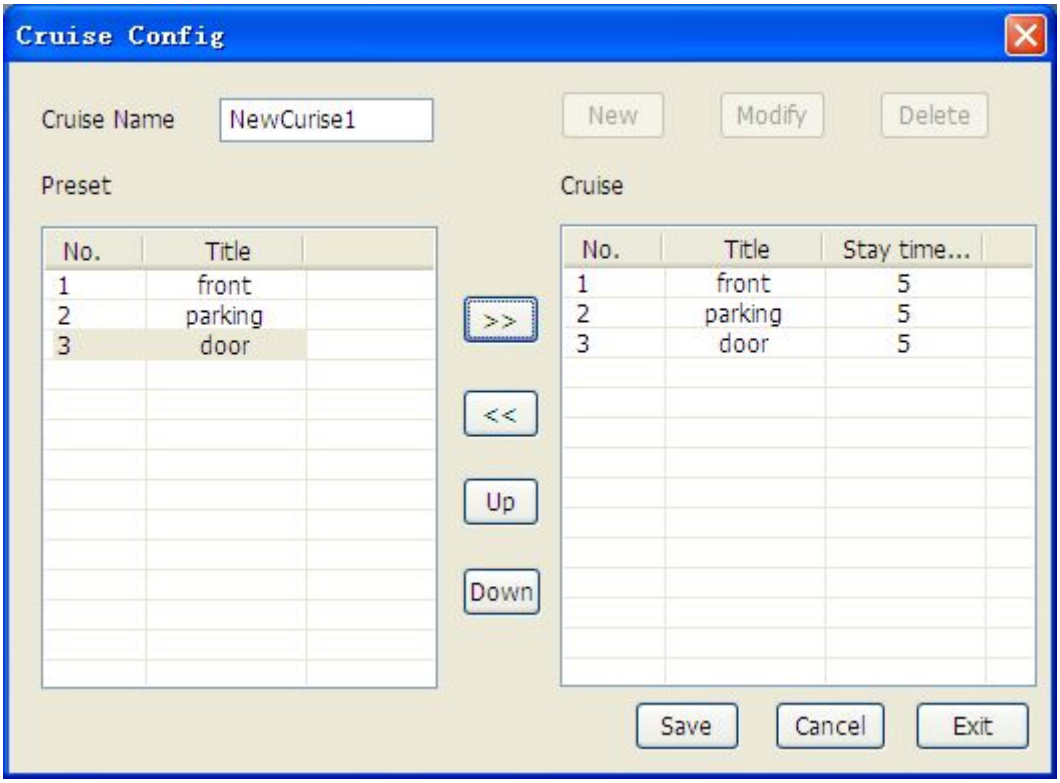


Diagram 6-46

Click [New] to add a tour. (See "Diagram 6-47")

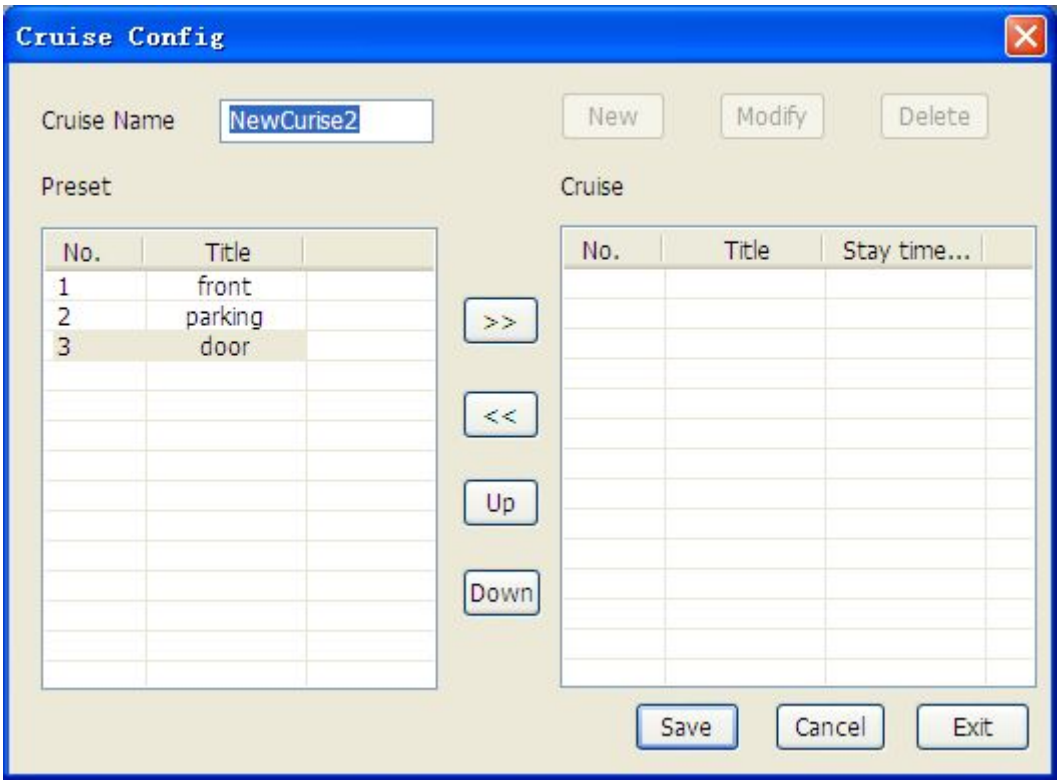


Diagram 6-47

① tour name, can be modified.

② select preset in list and add it into tour by . The maximum presets are 100 in one tour.

③ double left click stay time to modify, the limit is 3-6000 seconds. The default is 5 seconds.

④ select a preset in tour and click to cancel it from this tour.

⑤【Up】and【 Down】is used for change the presets sequence and the tour line.

⑥ click【 Save】to complete the setting

The operation of 【Modify】is the same as add a new tour

【Delete】is used for delete a tour

Click 【Exit】to quit

Introduction: you can add several presets into tour at once.

In PTZ control, select a tour (See “Diagram 6-48”) and click “Go Preset” to execute the tour.

Diagram 6-48

Introduction:

1. PTZ is on working for dome or rotatable camera; it is useless for noormal camera

2. you need authorization to apply this function

6.5 MONITOR PROJECT

The operations in monitor project include task and plan config; pause and resume project; import and export; run and stop tasks.

6.5.1 TASK CONFIG

“Task” is the sub item of “Save” in screen contact menu. (See “Diagram 6-49”)

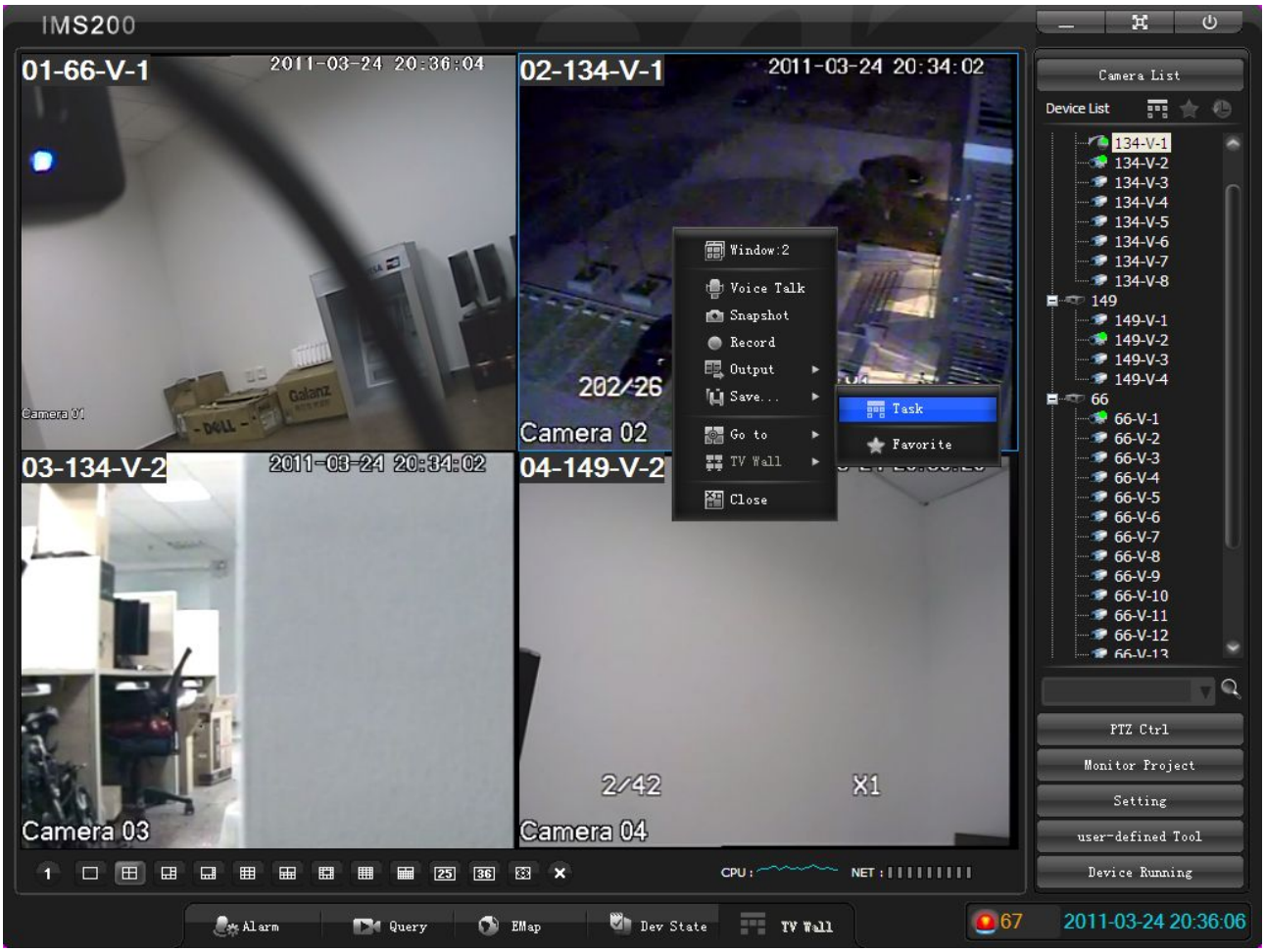


Diagram 6-49

Add new task:

In the popup window, firstly input the task title and select the screen number (1,4,6,8,9,13,16,20,25,36), then select the node or device and add it into the task sub item by , at last, click save to complete the operation.

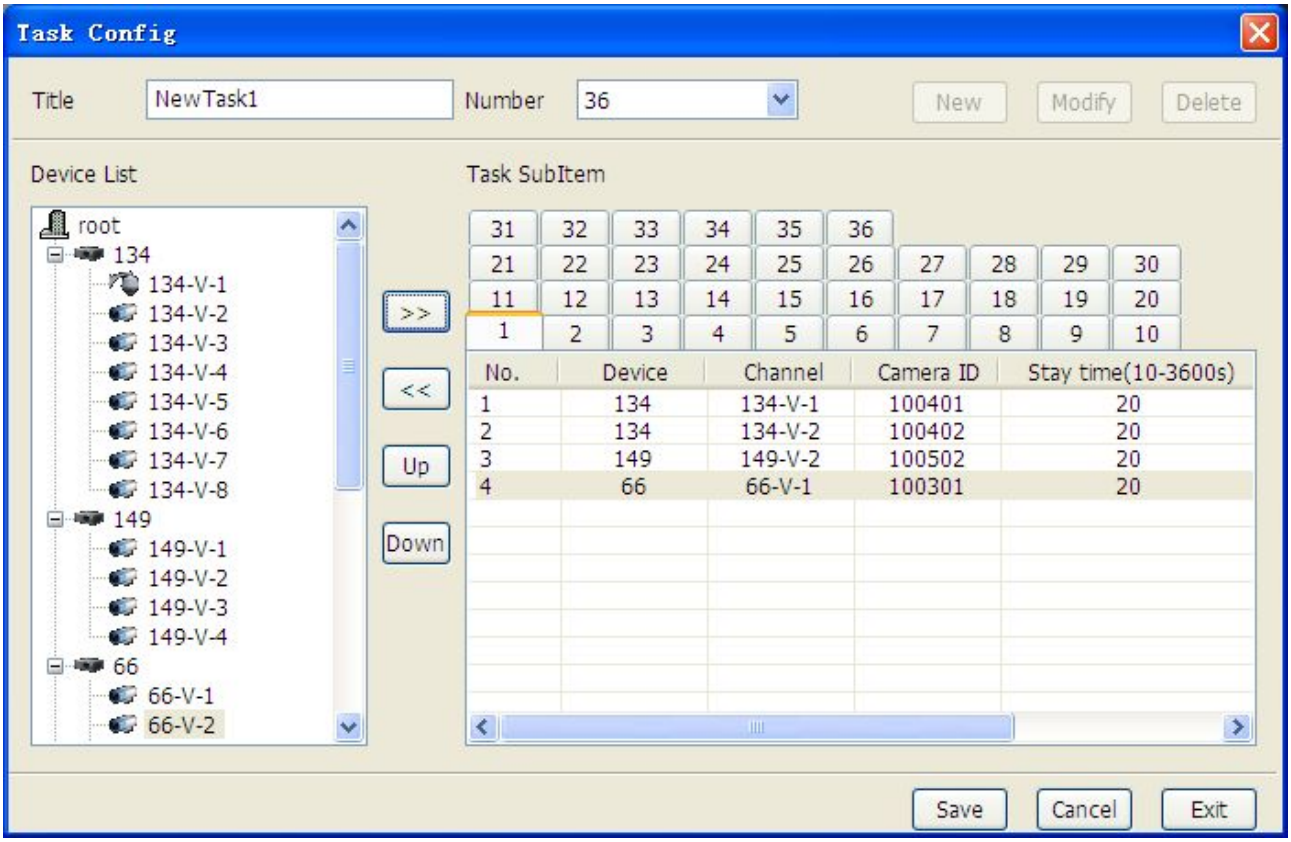


Diagram 6-50

All the channel information is listed in the task subitem, like the device, channel, camera ID, stop duration (10-3600s), preset (1-128) and stream. On the contrary, clisk [>>] to cancel the channel from tasks.

New: add a new task

Modify: modify the task configuration

Stay time: the default is 20 seconds. Double left click to modify the time between 10-3600 seconds.

Preset: double left click to add preset number

Save: save the configuration

Cancel: cancel the select item

Exit: quit this window

Introduction:

1. there are maximum 100 devices in one task

2. select a node to add all devices in this node into the task

3. modity one stay time and apply this time to all in context menu

6.5.2 PLAN CONFIG

“Diagram 6-51” is the [Plan Config] interface. Click “Add” and modify the plan parameter like title, task start/end time. You can put the exist tasks into the plan.

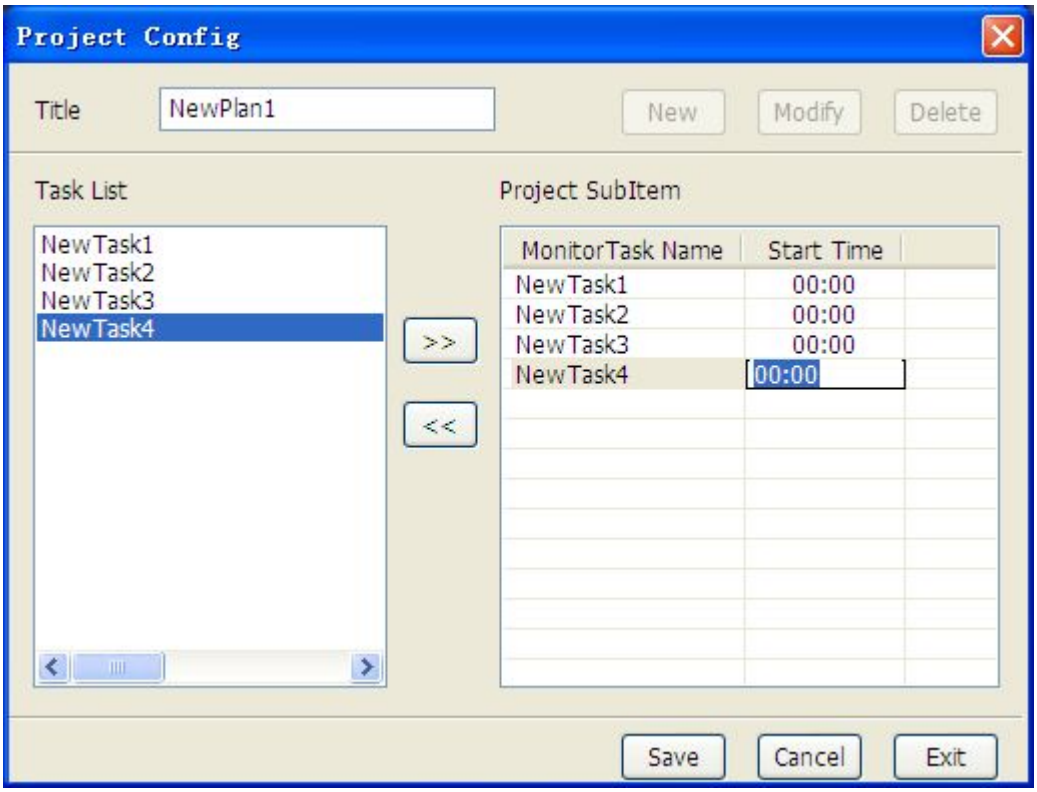


Diagram 6-51

Add several tasks into one plan, set the start and end time to make a cycle execution.

Modify: modify the plan configuration

Delete: delete a plan

Exit: quit this window

Introduction: 1. there are maximum 100 tasks in one plan

In monitor project interface, tick the task to carry out.

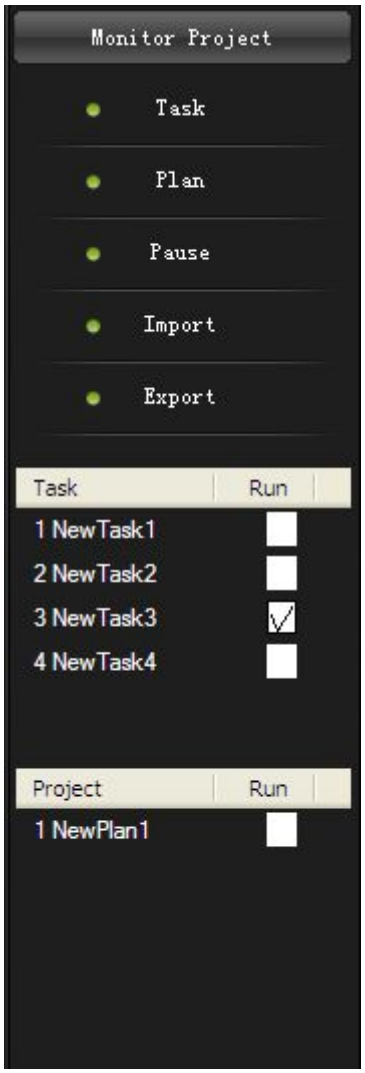


Diagram 6-52

Pause: pause and resume the running project

Import: import tasks and plans list

Export: export tasks and plans list

Introduction: the monitor project configuration is keep in local. Copy the configurations between devices by import and export data.

6.6 EMAP

EMap is used for showing the alarm and device locations. “Diagram 6-53” shows the EMap interface

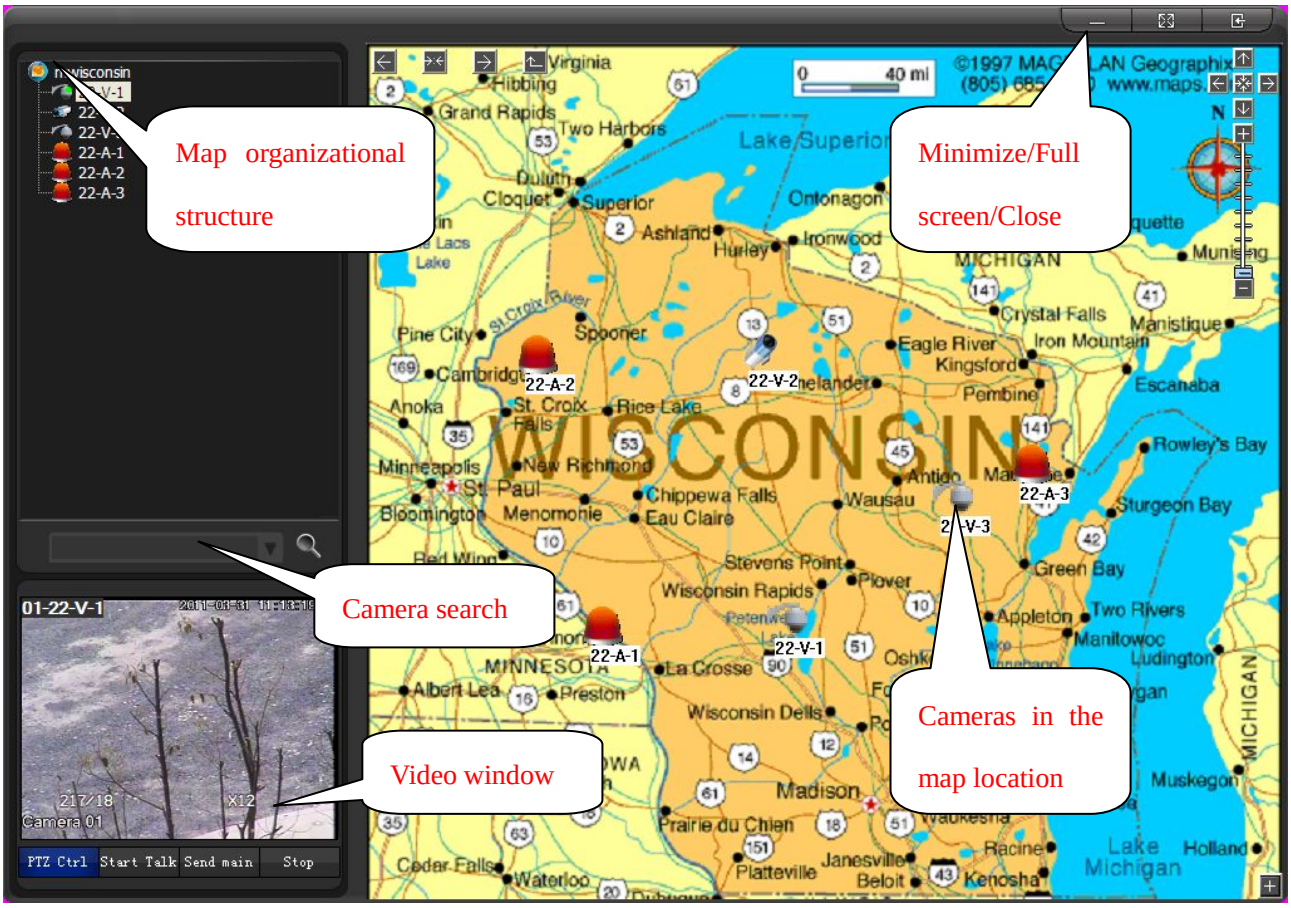


Diagram 6-53

Upper left: organize structure

Left bottom: screen

Right: map

There are camera icons, alarm icons and the next level map icons on the map window.

Double left click the next level map icon to turn to that map.

Single click the camera in organize structure to get the camera location on map. Double left click the camera in list or on map to play the live view in left buttom screen.

Diagram 6-54

Double left click the screen to turn to the full screen mode; double left click again or press “ESC” to quit.

【PTZ Control】: control the camera motion

【Talk】: talk with front –end device

【Send】: send the video to playback window

【Stop】: stop the video playing

: minimize the map

: full screen the map. The icon with green highlight in “Diagram 6-55” is the full screen quit button

Diagram 6-55

: close the map

Introduction:

1. zoom in/out by scroll wheel

2. : alarm occur : camera unconnected : device alarm occur : device unconnected

---

6.7 DEVICE STATE

[Dev State] shows the current stream, motion detect, camera masking, video loss, external alarm states.

(See “Diagram 6-56”)

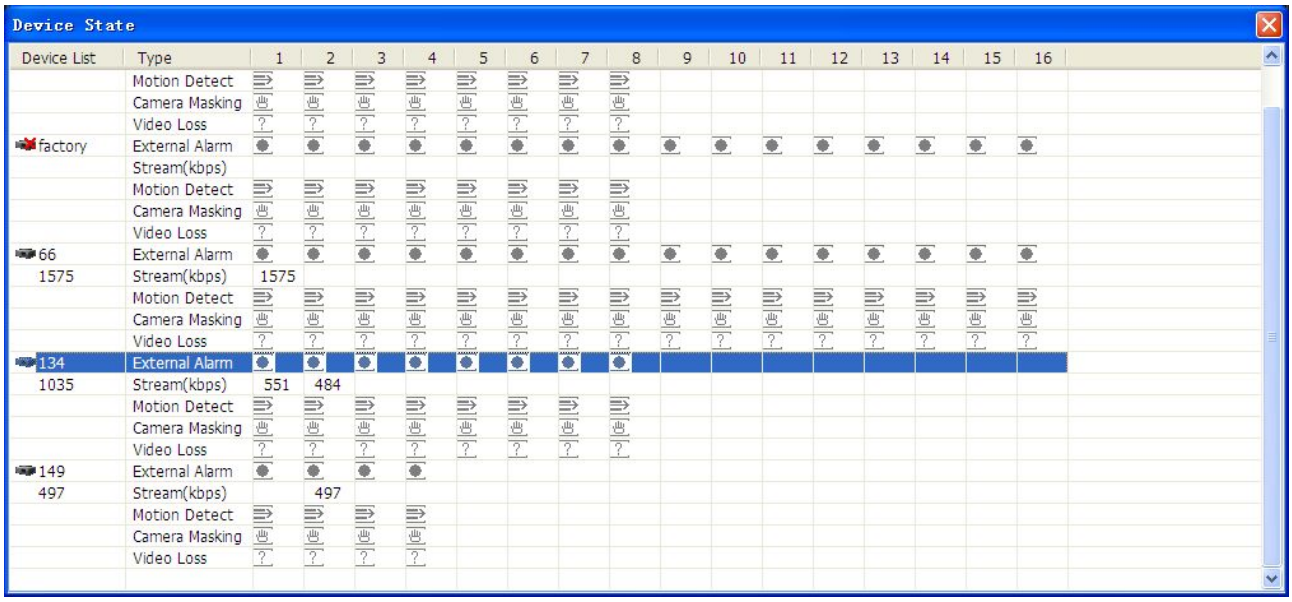


Diagram 6-56

1-16 is the channel number; : motion detect : camera masking : video loss : external alarm

Introduction: green icons refer the function on; red is the alarm indication.

6.8 USE-DEFINED TOOL

Click in 【User-defined Tool 】to check.

6.9 DEVICE RUNNING

① hard disk status(√: enable, X: disable)

recording status ⑤ motion

(See “Diagram 6-57”)

Diagram 6-57

6.10UPPER RIGHT ICONS

6.10.1 MINIMIZE

Click to hide the interface11

6.10.2 FULL SCREEN

Click to switch to full screen mode.

6.10.3 SHUTDOWN

Click to pop up the shutdown window. (Diagram 6-58)

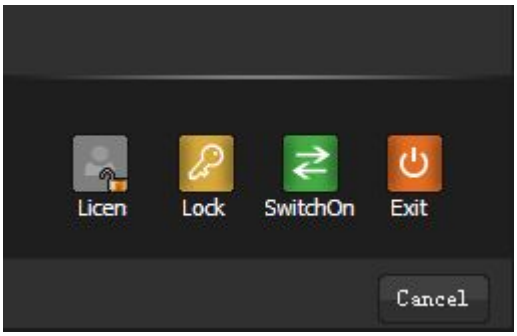


Diagram 6-58

Licen: get the licenced authority by inputting the password.

Lock: lock the system. You need the password to unlock it. (See “Diagram 6-59”)

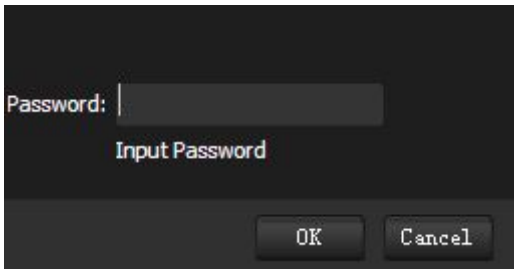


Diagram 6-59

Switch On: the system will reboot as you click the “Switch On” button, then input the new username and password to login by the new account.

Exit: exit the system.

Introduction: Allocate ahthority by the “system” account and reboot the system. You have no authority except live view monitoring in the first login. Set authority and password for further operation.

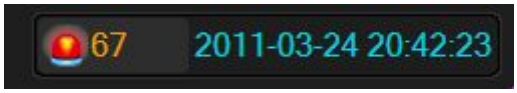
6.11CPU & NETWORK

CPU : wave range refers the CPU utilization

NET: refers net block

6.12DATE & ALARM & LOG

Display the time, date, and alarms



Click alarm number to get the alarm configuration interface, see 6.3 ALARM.

Click date and time to pop up the system log interface.

7 SYSTEM SETTING

There are local set, modify password, log, update, screen out, virtual keyboard, license and admin config options in [Setting]. (See “Diagram 7-1”)

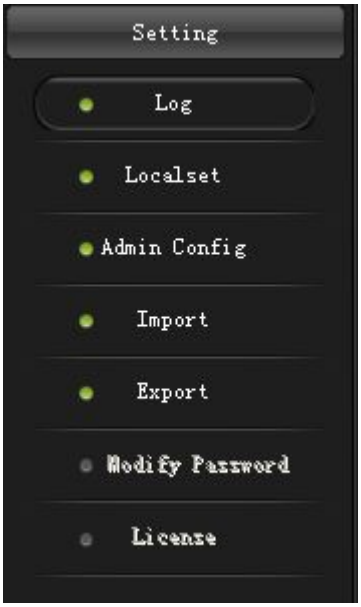


Diagram 7-1

7.1 LOG

Log records the account event, operation and alarm information.

Search and download the records according its time, type, device and username in 【LOG】inter

“Diagram 7-2”

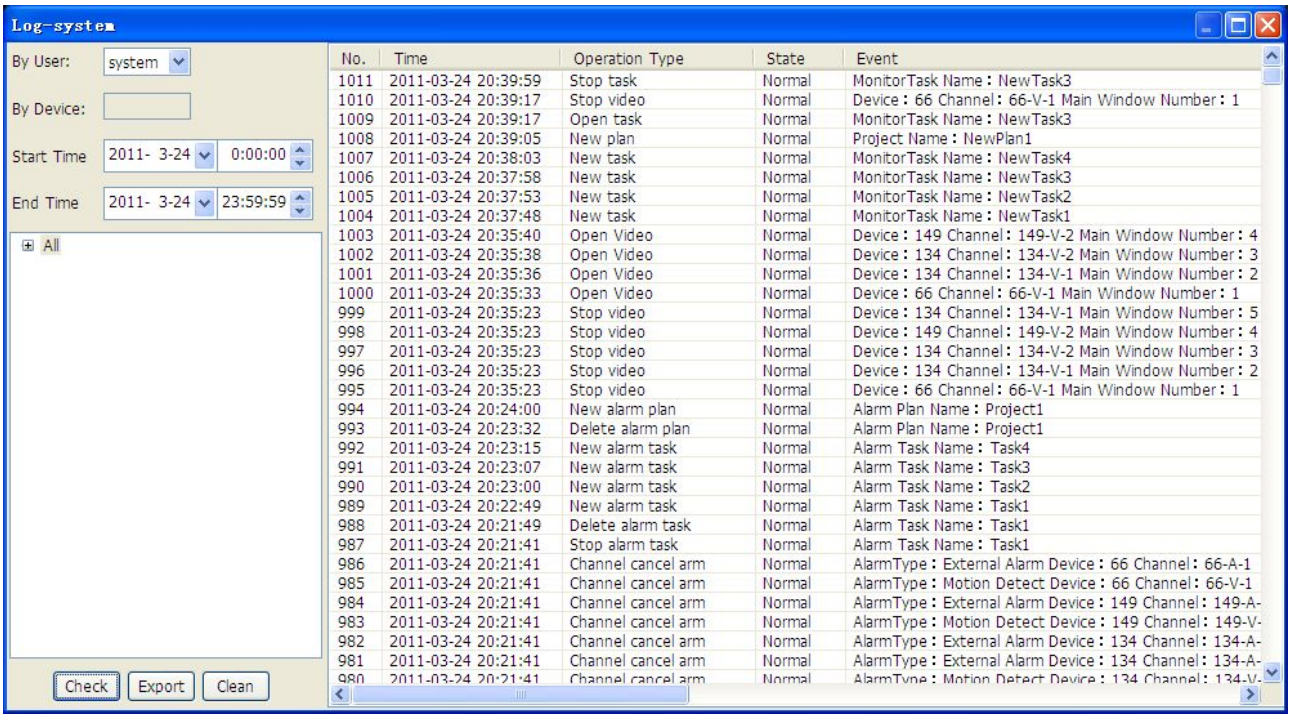


Diagram 7-2

Introduction: click 【ALL LOG】 to get the all records of the se

7.2 LOCAL SET

“Diagram 7-3” is the [Local Set] interface. You can set record, display, system and some other parameter.

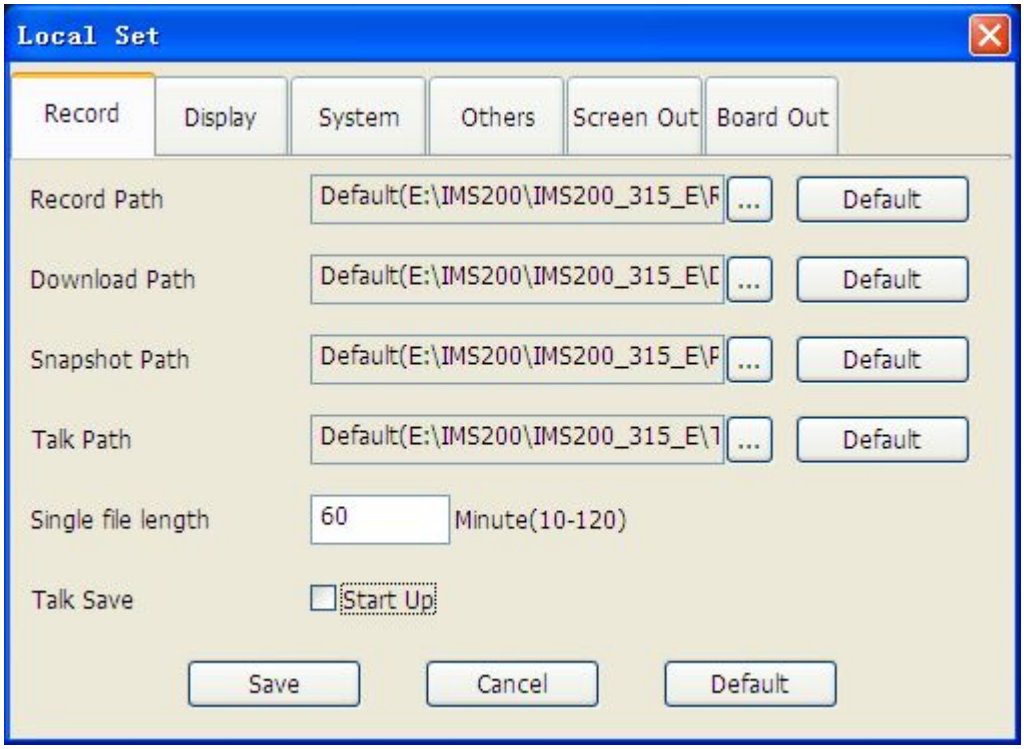


Diagram 7-3

7.2.1 RECORDING SETTING

Record (Diagram 7-3): modify record, download, snapshot and talk path, set the single file length and enable the talk save.

7.2.2 DISPLAY SETTING

Display (Diagram 7-4): enable the toolbar and EMap's device name, set the map size, log number and media transfer protocal.

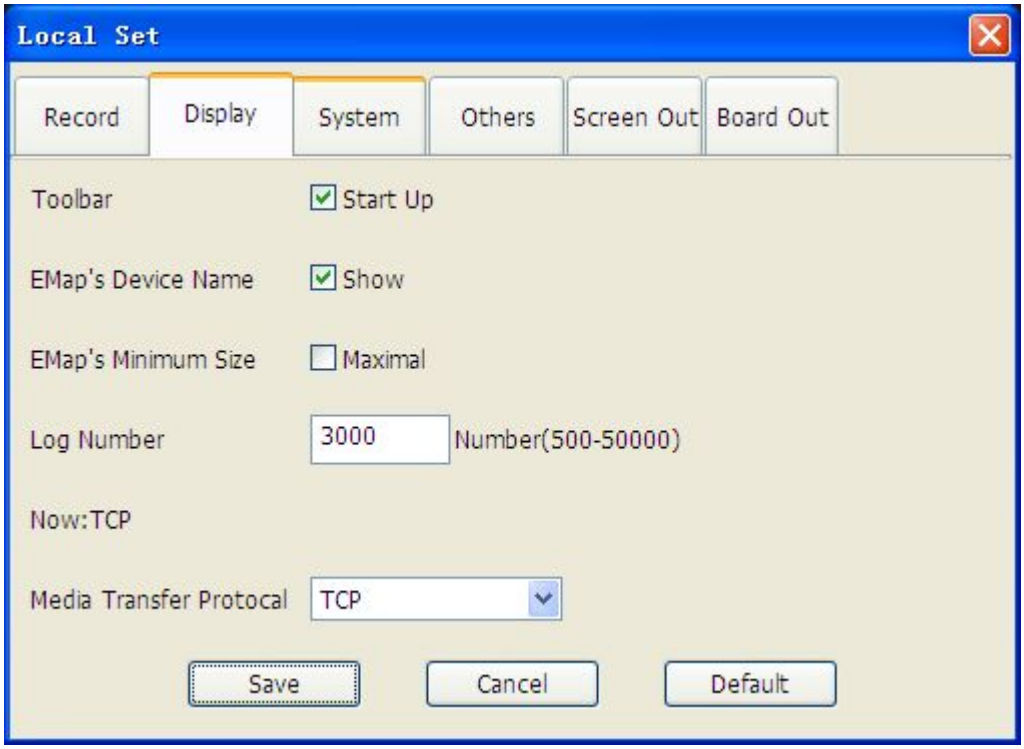


Diagram 7-4

Introduction: suggest UDP protocal for internal network; TCP protocal for Ethernet

7.2.3 SYSTEM SETTING

System (Diagram 7-5): set start screen mode (1\4\6\8\9\10\13\16\20\25\36), organization level, multi-window config (main interface, query, EMap and alarm), auto task running config, and system startup mode.

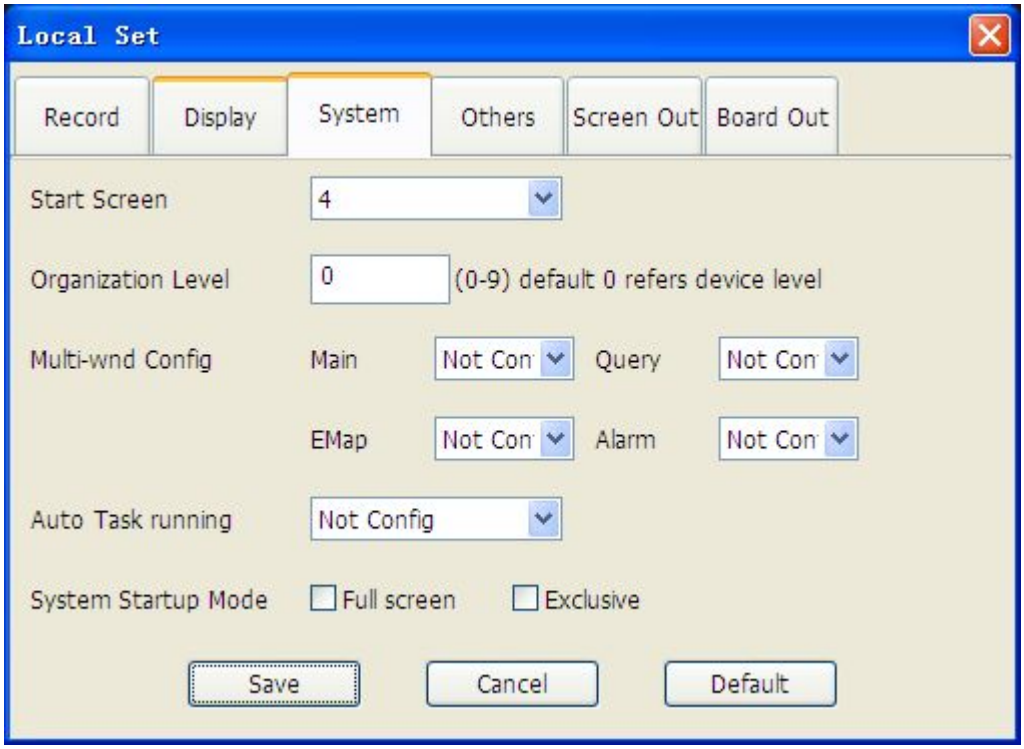


Diagram 7-5

Set the start screens as your requirement;

Set multi-level structure, like “country->province->city->street” 4 levels.

Enable the task auto running;

System startup mode: full screen and exclusive are alterable;

Multi-window config; take the four different operations meanwhile. See “Diagram 7-6”

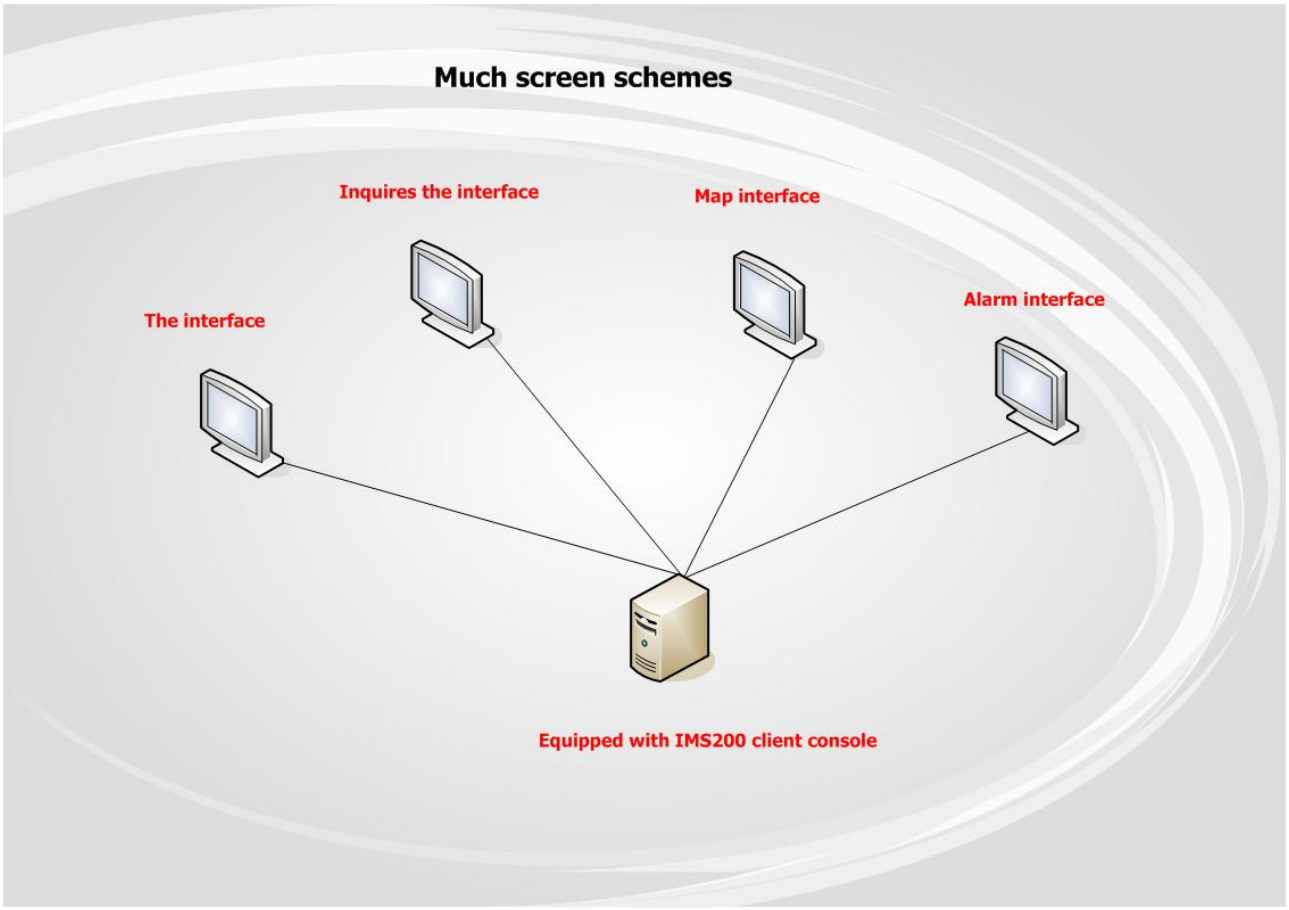


Diagram 7-6

7.2.4 OTHERS

Others (Diagram 7-7): set playback forward time, interval, disparity, device running and language.

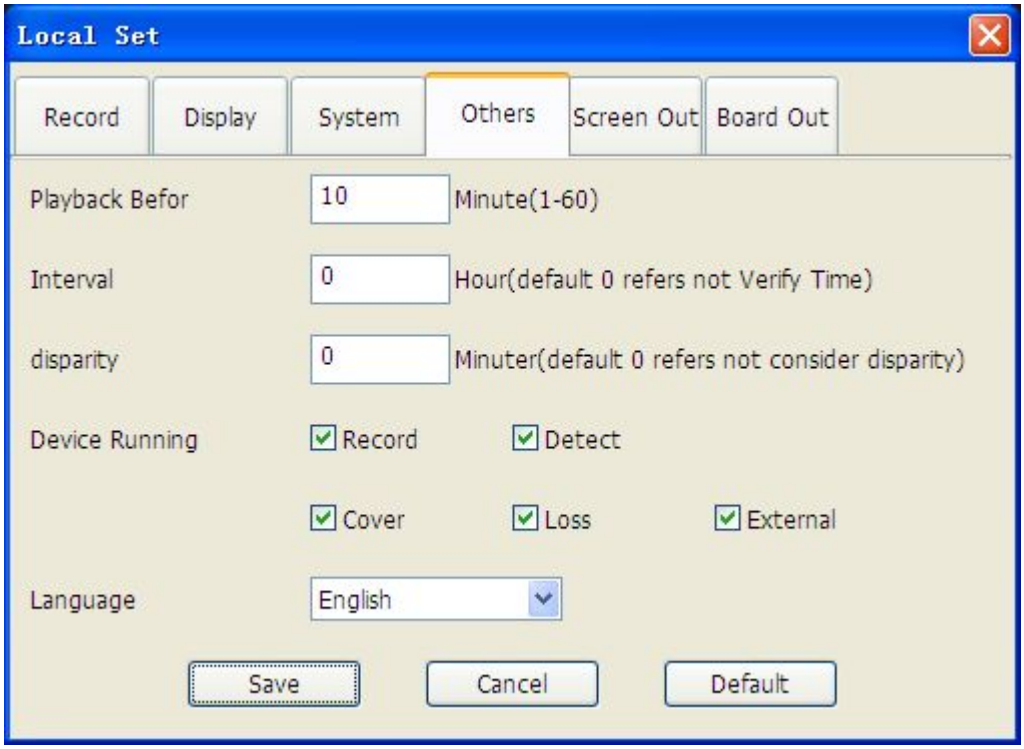


Diagram 7-7

Introduction: suggest UDP protocal for internal network; TCP protocal for Ethernet

7.2.5 SCREEN OUT

To set the OSD background color and text color.

Diagram 7-8 shows the [Screen Out] interface

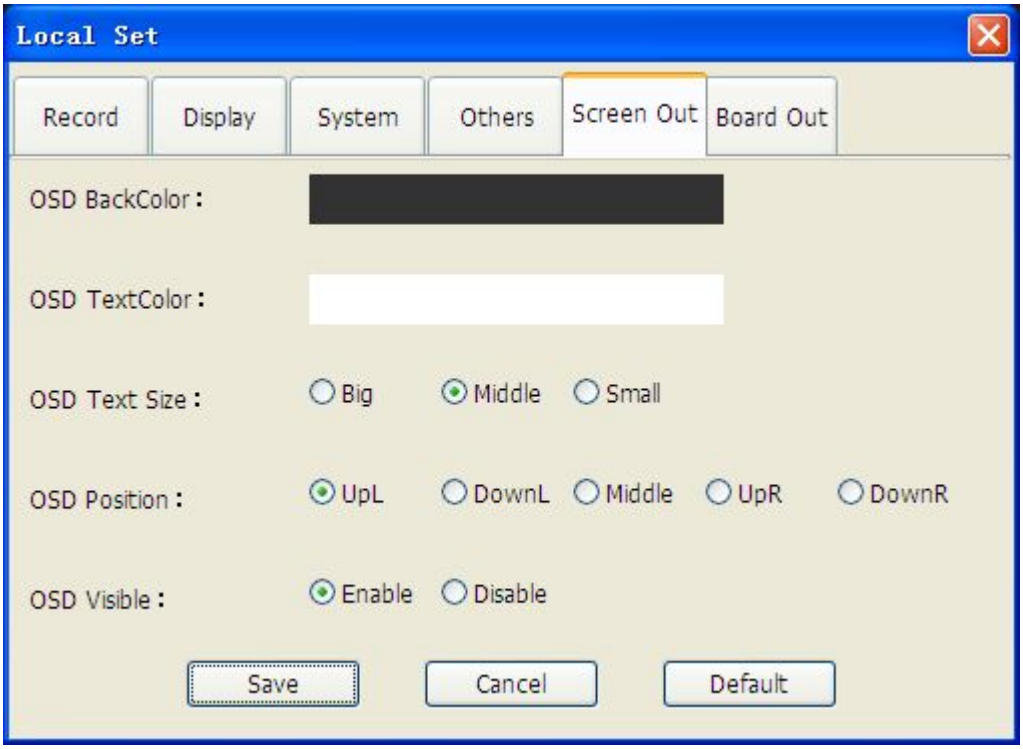


Diagram 7-8

Click “OSD BackColor” and “OSD TextColor” to set color

You can also set the “OSD Text Size”, “OSD Position” and “OSD Visible”

If OSD is visible, the information will show on the upper left, see “Diagram 7-9”

Diagram 7-9

7.2.6 VIRTUAL KEYBOARD

It is used with Net Keyboard, please consult technical support staff for detail.

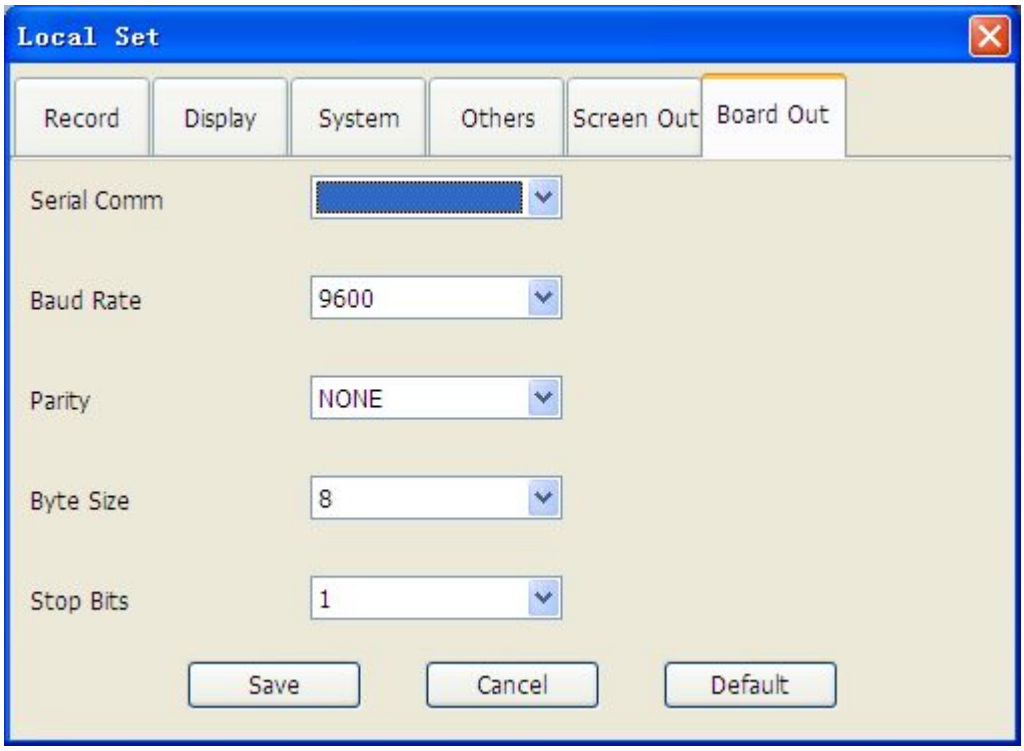


Diagram 7-10

7.3 ADMIN CONFIG

Click 【Admin Config】to enter the interface

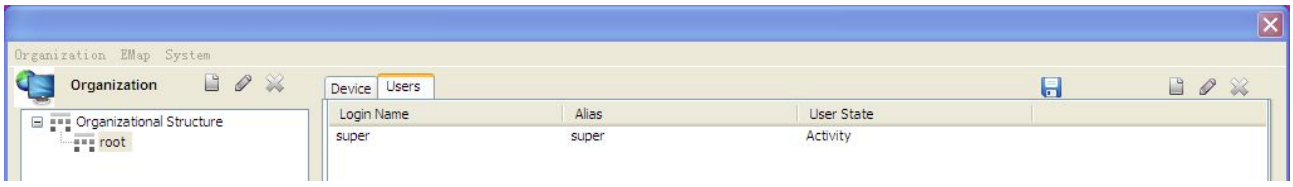


Diagram 7-11

There are “Organization”, “EMap” and “System” in [Admin Config].

7.3.1 USERS & DEVICE

Click 【Organization】 to enter the organization interface

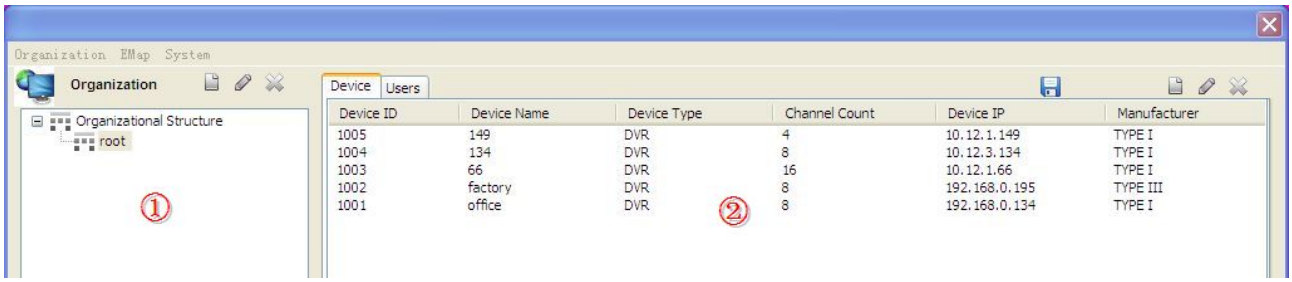


Diagram 7-12

① lists the organization structure. You can add, modify and delete nodes here and click a noke to open the sublist (only the "system" account has the authority to op

② contains the users and device parts. You can add, modify and delete users and device here.

1. Users

(1)Add: select a node and click to pop up the following interface

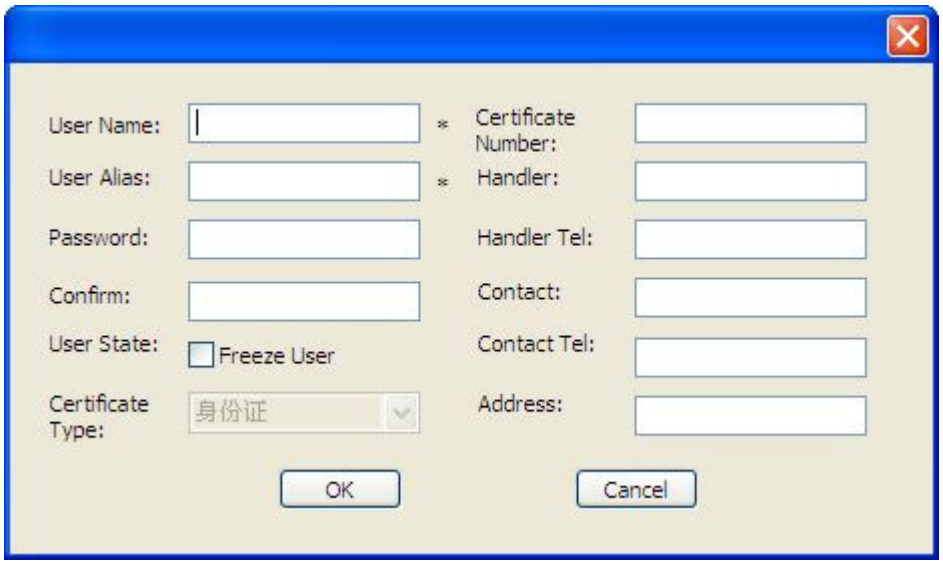


Diagram 7-13

(2)Modify: select a user and click icon to modify user information

(3)License: the [Device List] (Diagram 7-14) will pop up when you select one user Tick the device or channel to in the list to authorize and click to save the modify.

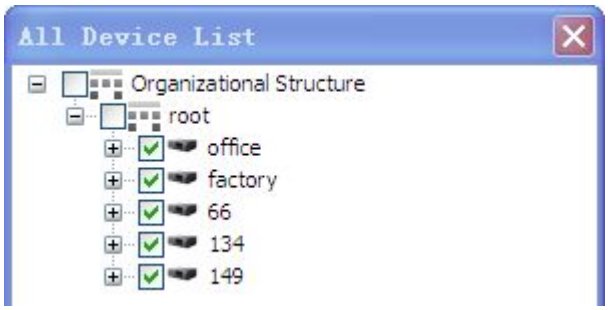


Diagram 7-14

(4)Delete: select a user or a device you want to delete and click

2. Device

(1)Add: select an organization node and click to add device in this node. Input the device data in popup window and click to finish the process (the "Device according to the device IP. "Diagram 7-15"

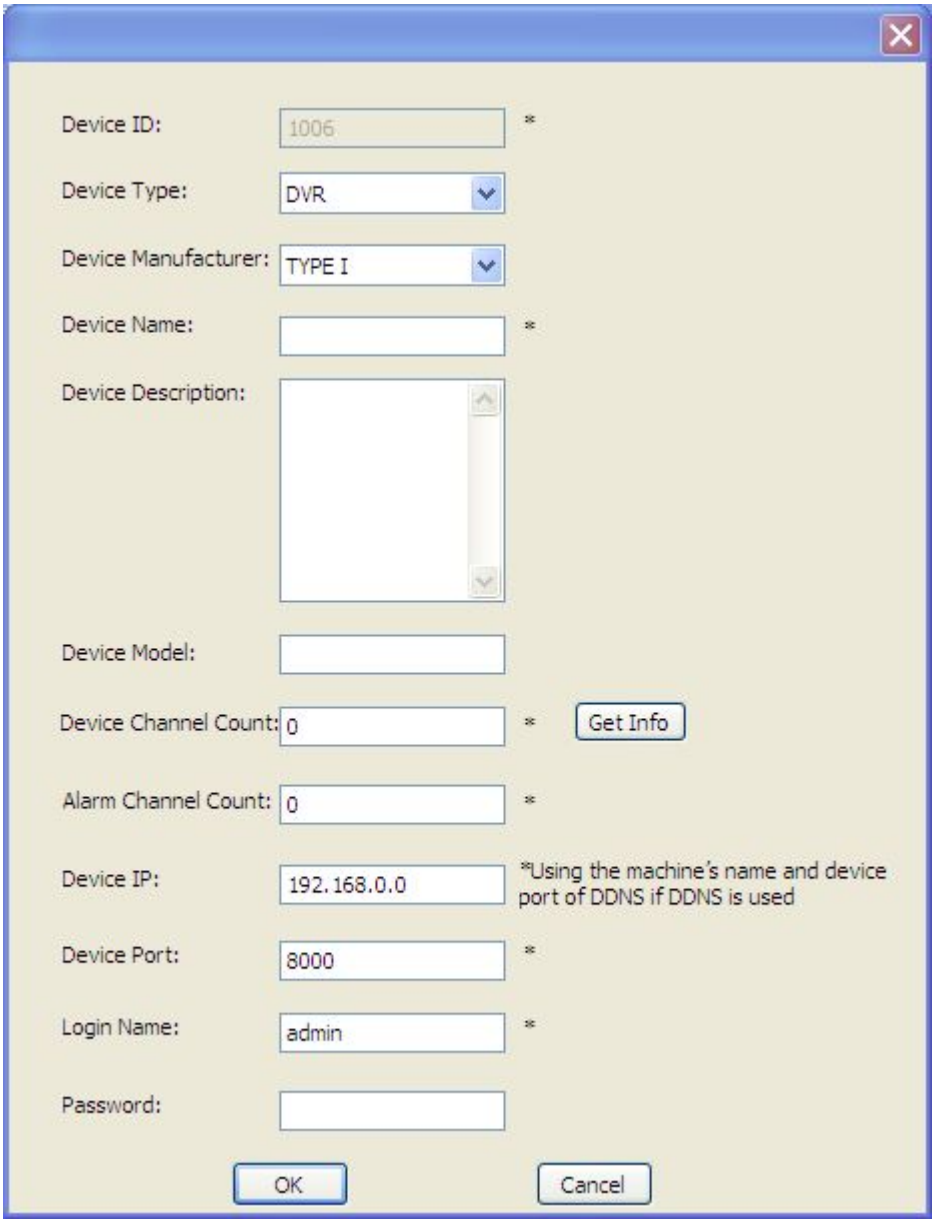


Diagram 7-15

(2)Modify: select a device and click icon to modify the information

(3)Device Information: the interface which contains [Device Information], [Video Channel] and [Alarm Channel] will pop up when you select a device. See "Diagram 7-16"

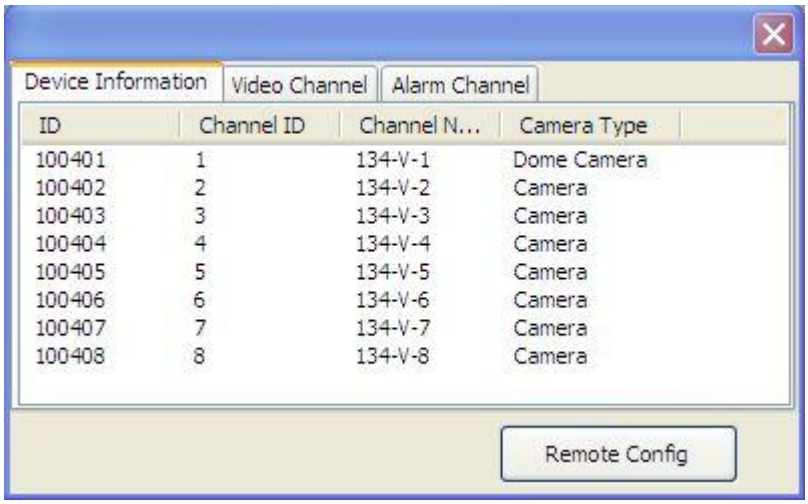


Diagram 7-16

Diagram 7-16 is the [Device Information] interface

Diagram 7-17 is the [Video Channel] interface

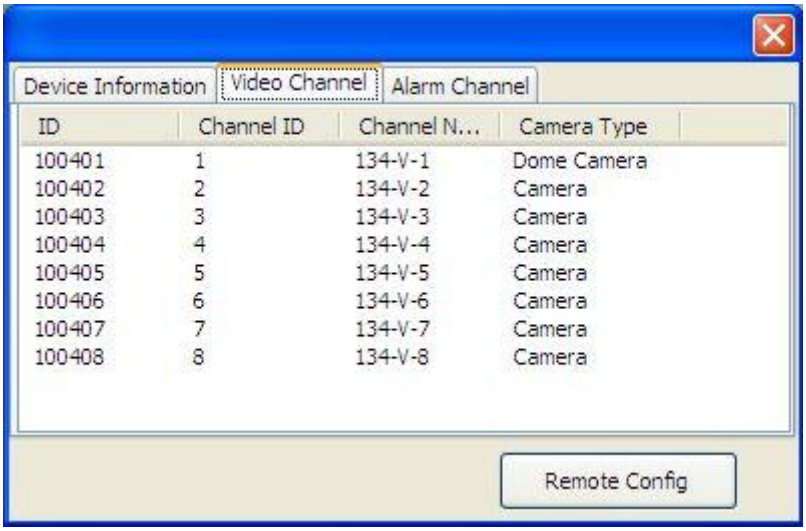


Diagram 7-17

Double left click a channel to pop up [Channel Information], see “Diagram 7-18”.

You can modify channel name and type in [Channel Information]. The camera type include camera, PTZ dome camera and dome camera.

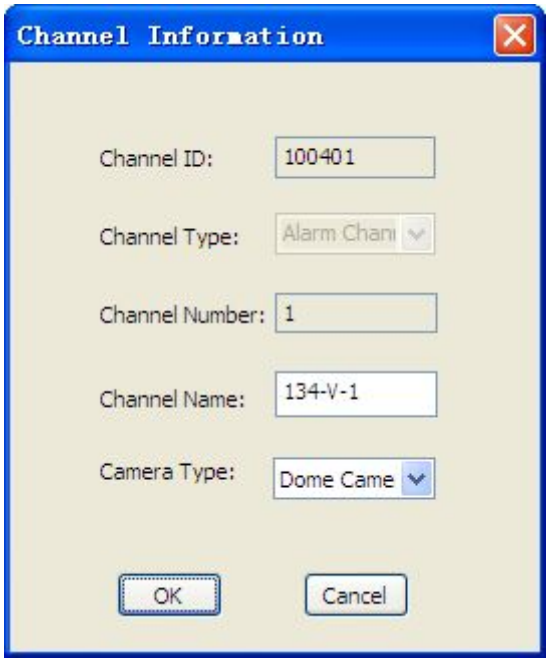


Diagram 7-18

"Diagram 7-19" shows the [Alarm Channel] interface

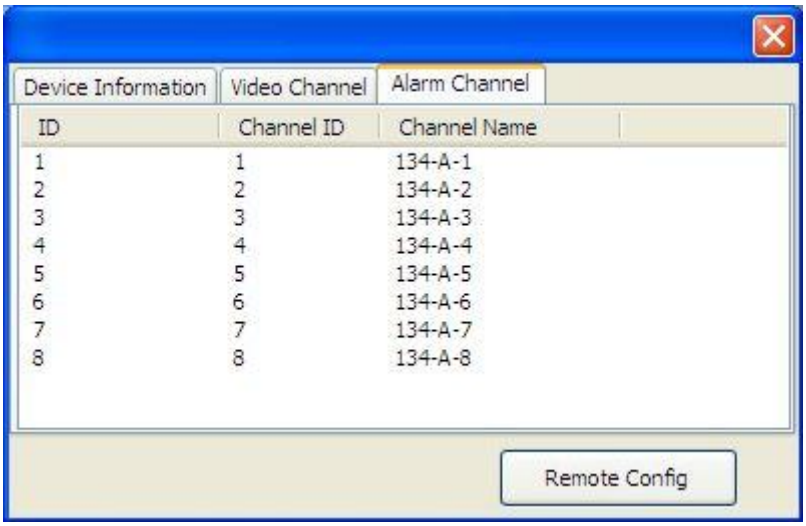


Diagram 7-19

Double left click a alarm channel to get a popup window, see "Diagram 7-20"

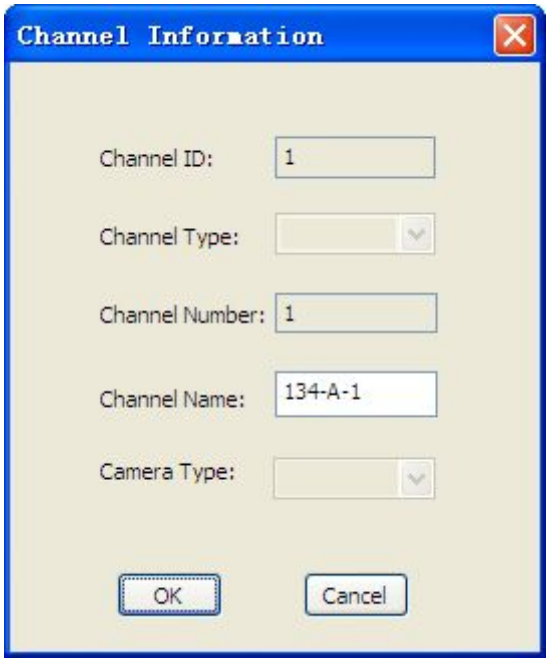


Diagram 7-20

7.3.2 EMAP

Click [EMAP] to configure window as following

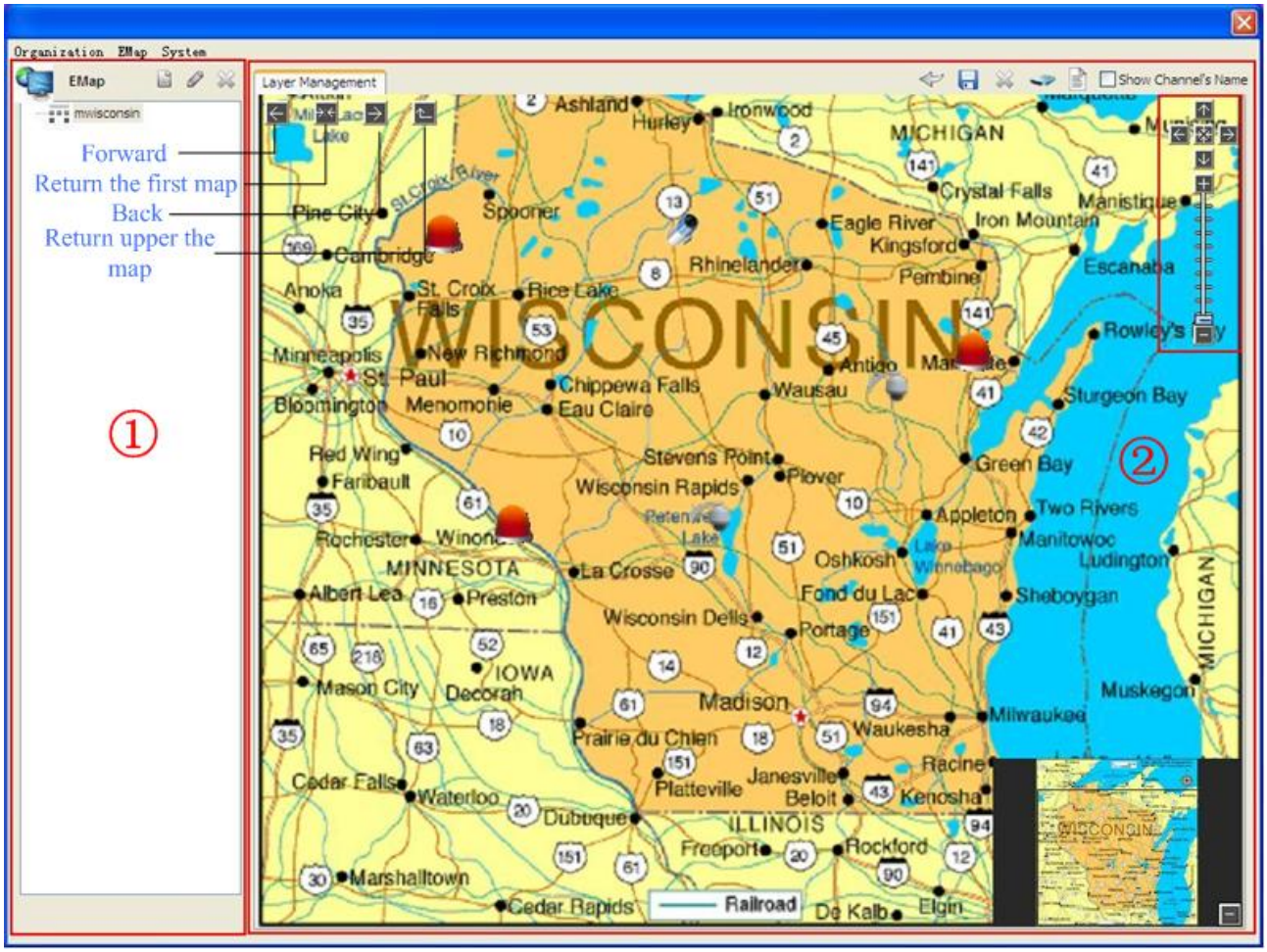


Diagram 7-21

Two parts:

1 、①is the management zoom for adding, modifying a

2 and ②is the map management zoom. You can add cameras

(1) Cancel : delete the unsaved node on map

(2) Save : save the operations

(3) Delete : delete the records or camera on map

(4) Show device : pop up the device list and drag the camera or alarm to the map, click to save the operation. (see “Diagram 7-22”)

Diagram 7-22

(5) Show node: show the nodes on map, see "Diagram 7-23"

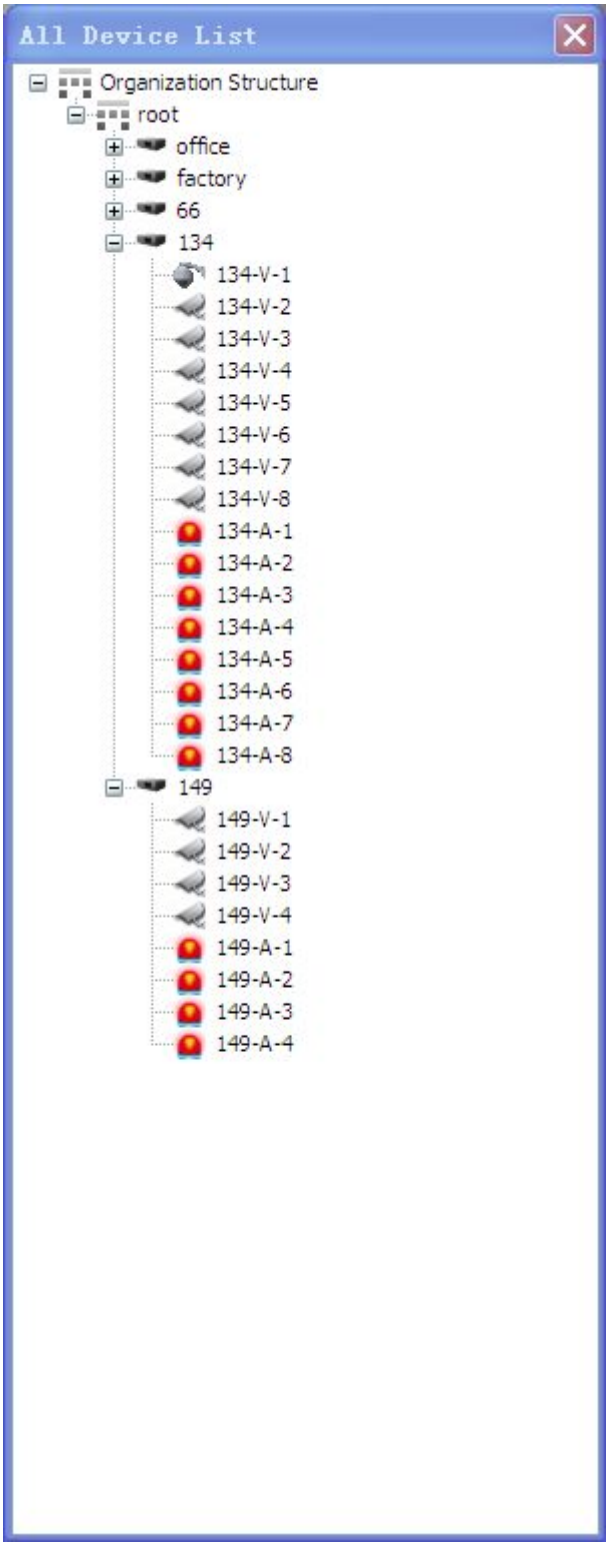


Diagram 7-23

(6) Tick the node which you want to place on map

(7) Click on lower right to open the sub-map, you can position on the sub-map. (see “Diagram 7-24”)

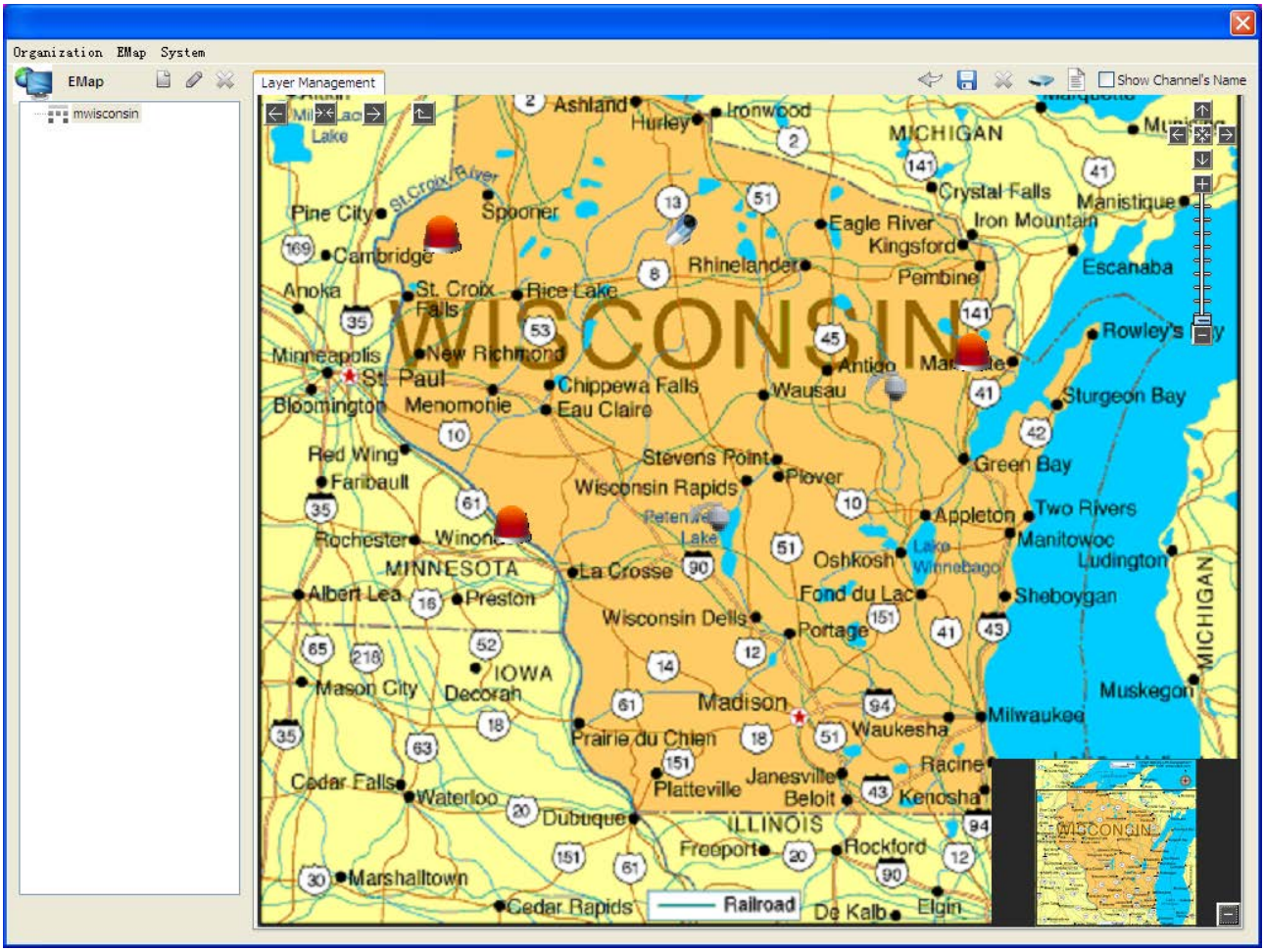


Diagram 7-24

7.3.3 SYSTEM

Click 【System】7-25, enter the interface as "

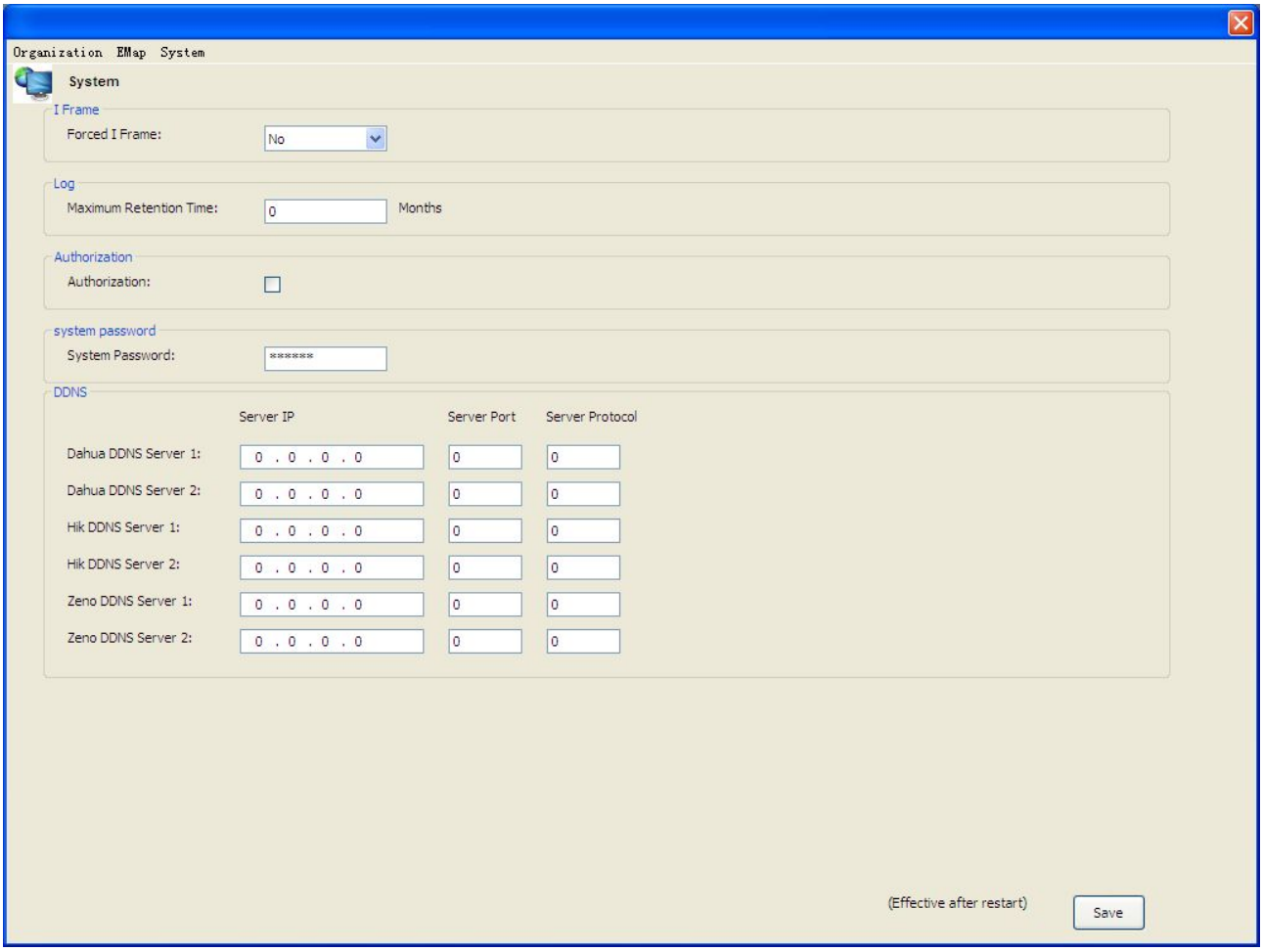


Diagram 7-25

There are I frame, log, authorization, password and DDNS in system management module which is only showed by "system" account login.

(1) I frame: enable and insert a I frame when start live view or playback for improving image fluency.

(2) Log: log will be deleted as it exceeds the storage period limitation.

(3) Authorization: users are allowed to operate in authored module.

(4) Password: modify password by "system" only

(5) DDNS: support DDNS

7.4 INPUT/OUTPUT

Input and output the data of 【SETTING】like local set, admin config and lo

7.5 MODIFY PASSWORD

1. In [Modify Password] interface, type in old password and twice new pasword to modify. Modify the system password in “Setting”—> “Admin Config”—> “System”—> “System Password”.

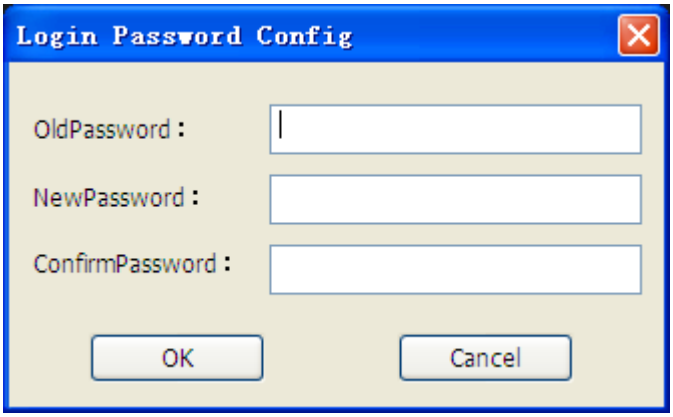


Diagram 7-26

2. Modify authorization password by input once old password and twice new one. Modify the authorization password in Setting—>Admin Config—>System—>Authorization.

Diagram 7-27

7.6 LICENSE

Click 【License】 to enter the interface as following

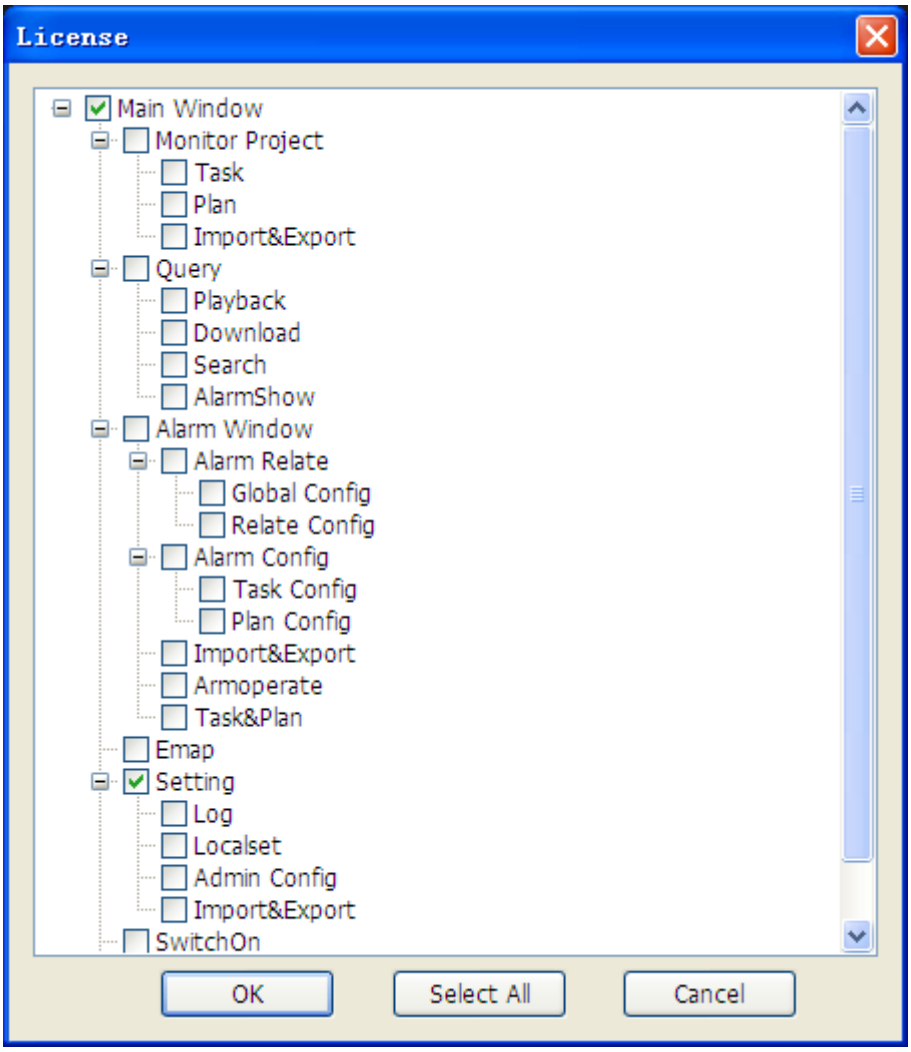


Diagram 7-28

Allocate users' authority include task config (task config, project config, import and export); query (playback, download, search and alarm show); alarm (relate config, global config, task config, plan config, config import and export), EMap, setting (local set, upgrade, log, admin config), account switch and authority allocate.

Introduction:

1. tick the authority items in "setting"→"onfig"→"system". Restart the system to enable the configuration.

2. set authority in top right icons. The gray icon refers the authority is unavailable.

3. enable the authority at top right icons.

---

8 APPENDIX A

8.1 FAQ

Q: The prompt “Video Open Fail” shows in live view or tour mode?

A: Probably reasonss:

1. the device breakdown.

2. can not get the streaming because of the network state.

Q: P/T/Z is incontrollable ？

A: Probably reasonss: :

1. ensure the camera has P/T/Z function

2.enable the P/T/Z function

3.configurate the compatible protocal and address code, check the 485 line “ +”are correct.