



CSVision 5.0 Cooperation Client Software Manual

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Chapter 1 Introduction

1.1 Client Software Overview

Network video surveillance system provides real-time view client software to provide customers with a graphical user interface, video playback for customers to review video, client time slice used to playback the event search, the configuration tool for system and equipment configuration. The users can communicate through various client module and server software, establish user and administrative privileges on the server, set video plans and alarm plans, establish sites and grouping, monitor all video and audio equipment in real-time server, enable users to keep abreast of system operating status.

The client software components:

- real-time view
- video playback
- video retrieval
- setting

1.2 Operating Environment

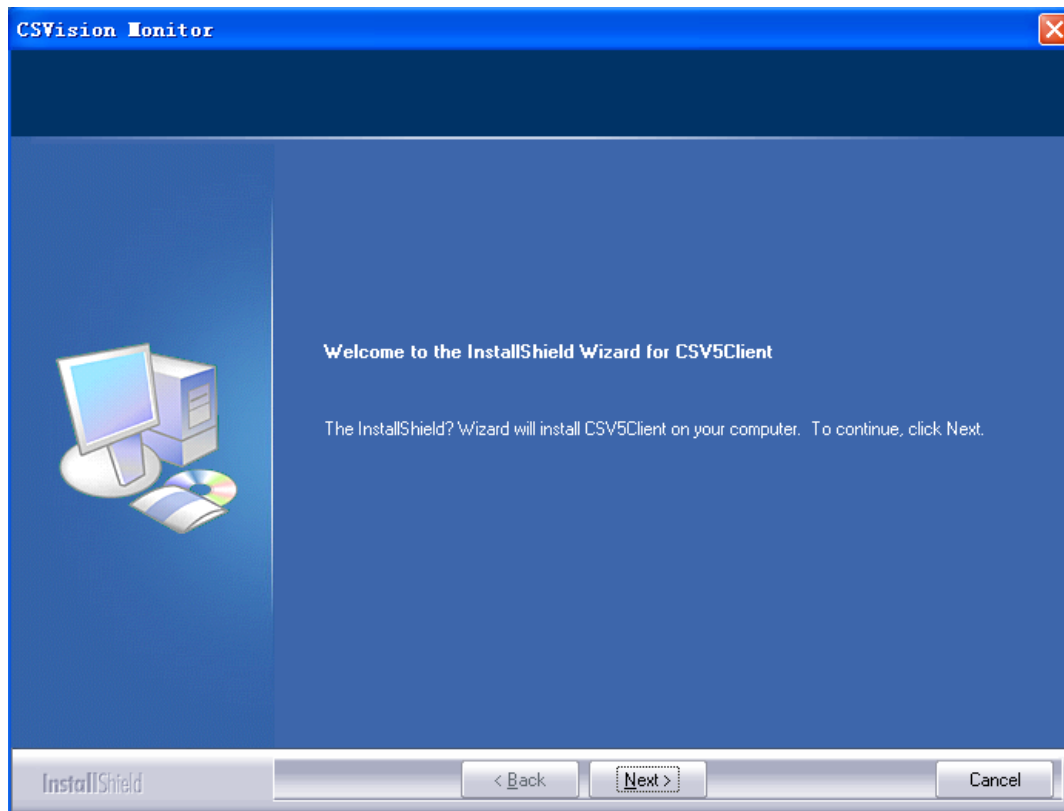
Item	Description	Remark
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system	Windows 2000/Windows server 2003/XP Professional (32bit)	Simplified Chinese / English system Recommended MS XP Pro
CPU	Intel Core 2 or higher	Recommended to use the quad-core CPU
Memory	2 GB and above	
NIC	ATi or NVIDA minimum memory 256M , 32 bit colors	Recommend ATi graphics card; (please update to the latest video card driver when using the NVIDA)
Hard disk	Ethernet 1Gbit	
Operating system	Client depends on local video record and picture capture setting	

Chapter 2 Product Installation

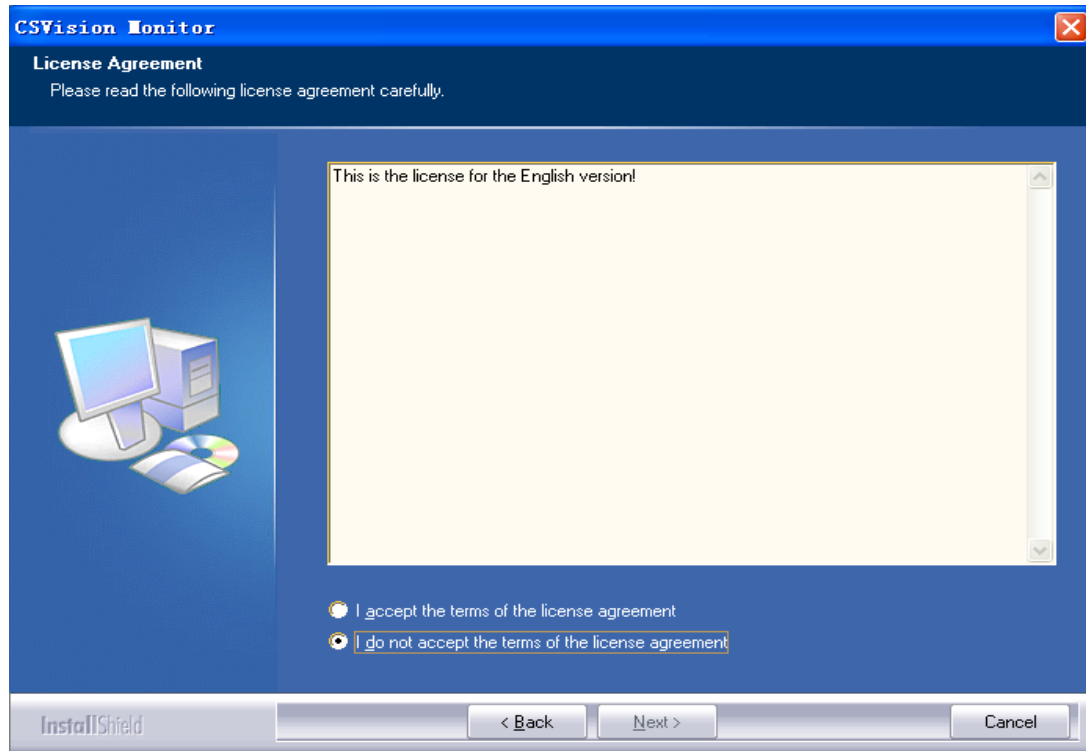
2.1 Client Software Installation

Run the installer file, the following dialog box will appear:



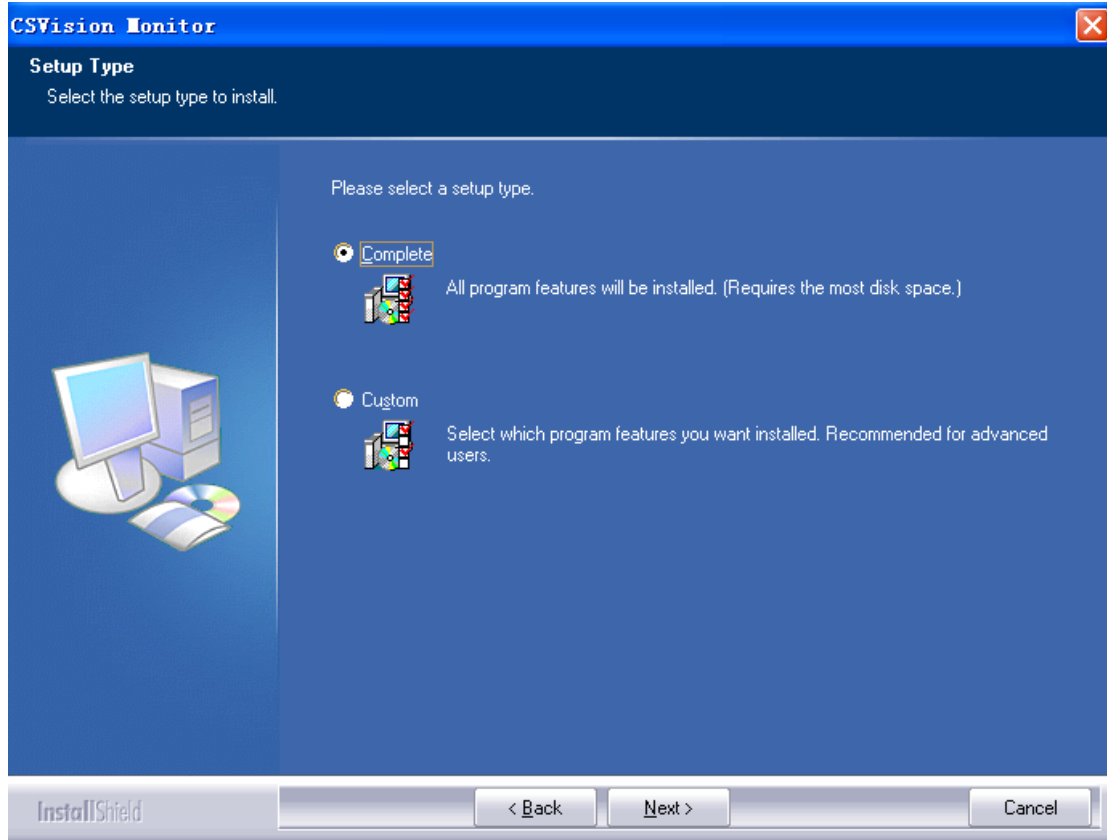
Install the client

Click [Next] button, a dialog box will show as below:



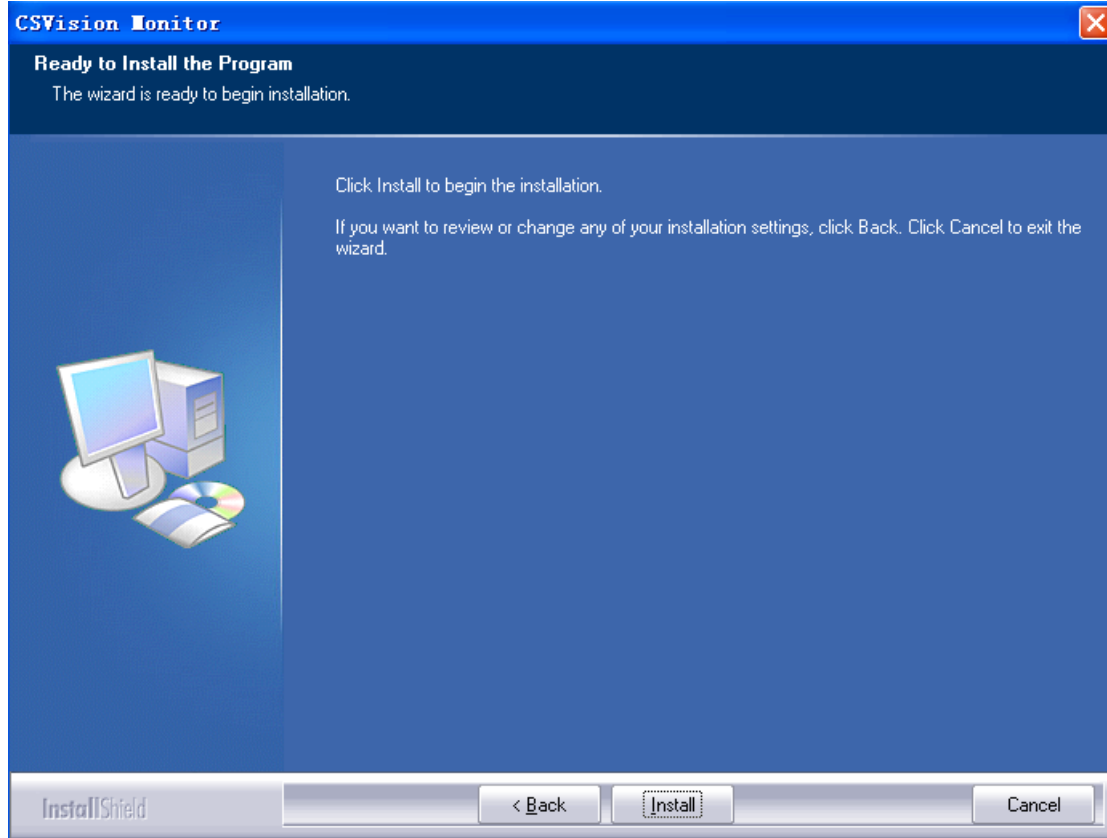
Installation Agreement

In the [license agreement] dialog box, accept the terms of the agreement, click [Next] button, and the dialog box below will appear:



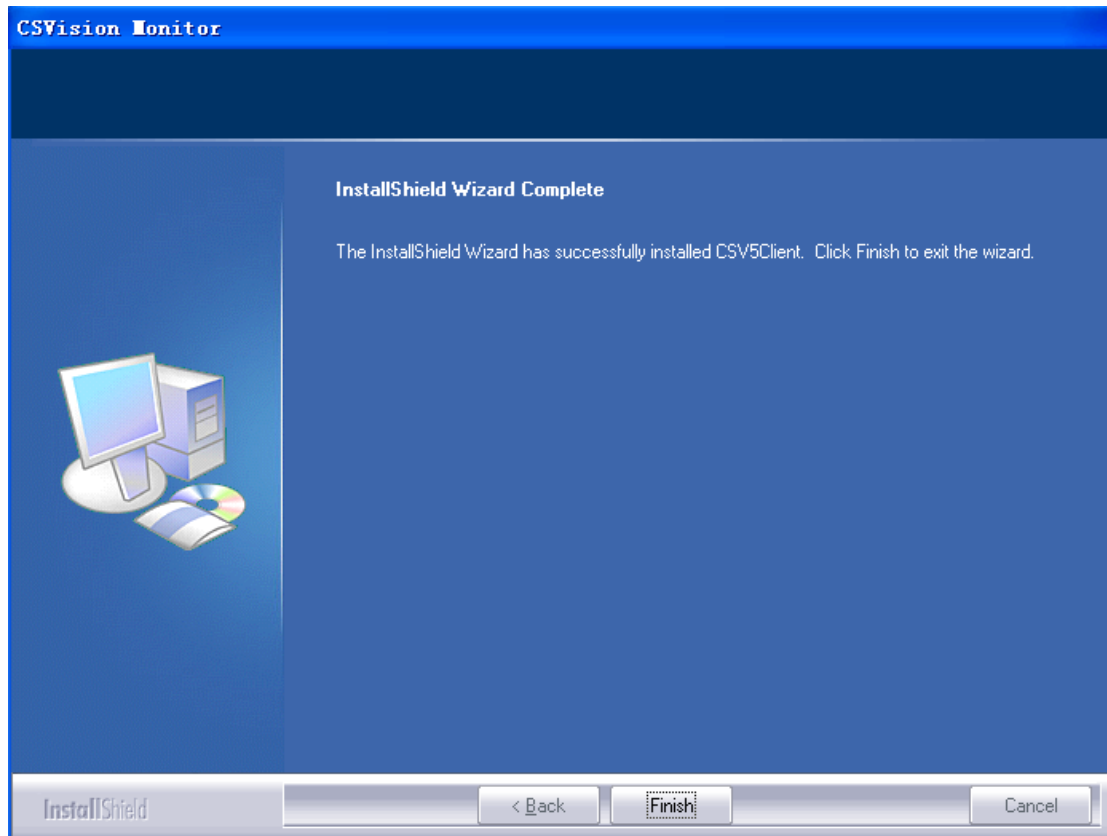
Installation type

Select [Completely] in [Installation Type] dialog box, click [Next] button, the dialog box below will appear. If the user needs to install the server software on a specified disk and directory, select [browse], then click [Next] button



Installation Tips

Click the [install] button to start the installation of the client, dialog box will appear as:

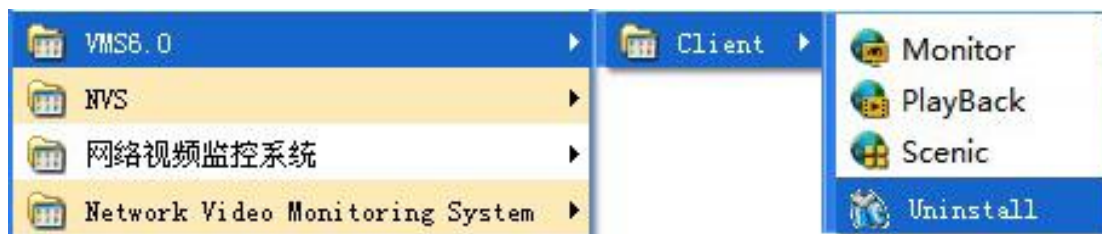


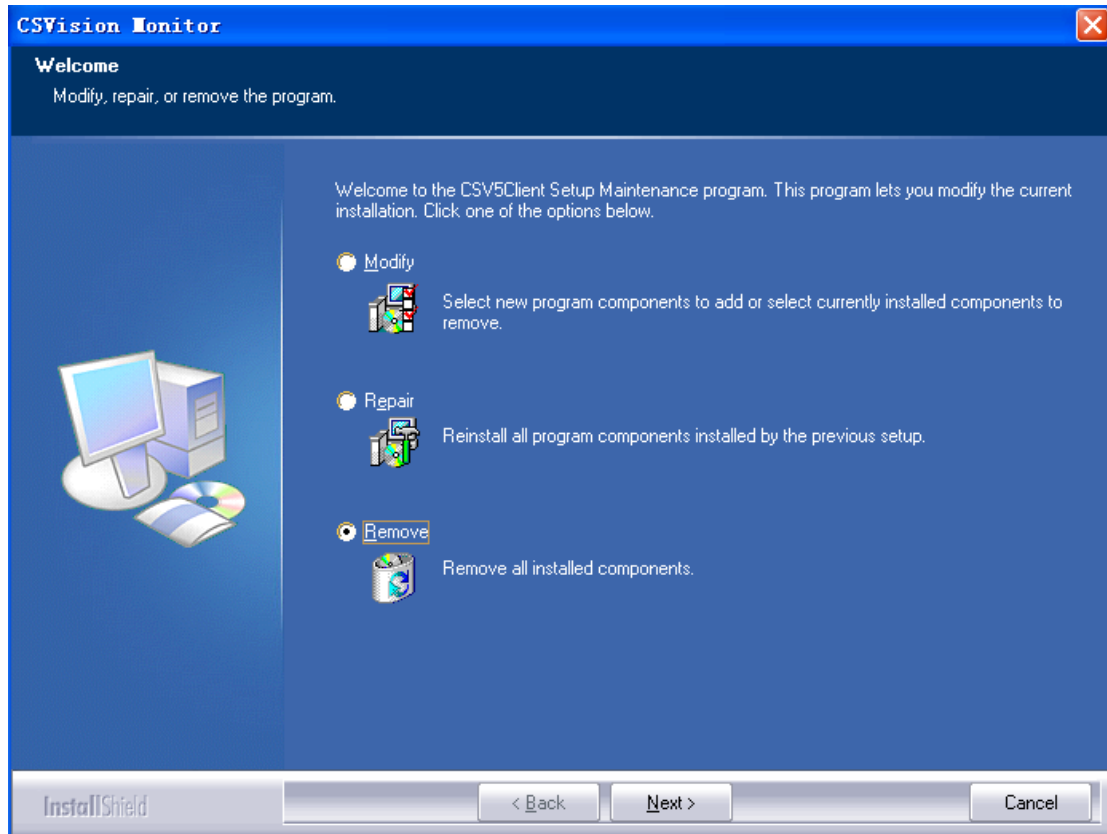
Installation complete

Click [finish] button to complete the client installation

2.2 Client Software Uninstall

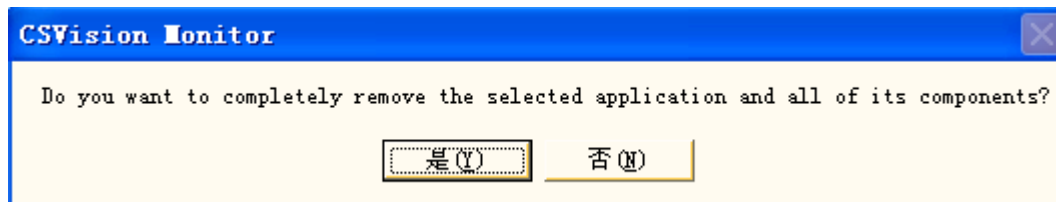
Click [start]-[programs]-[VMS6.0], click [uninstall] to start the uninstall program





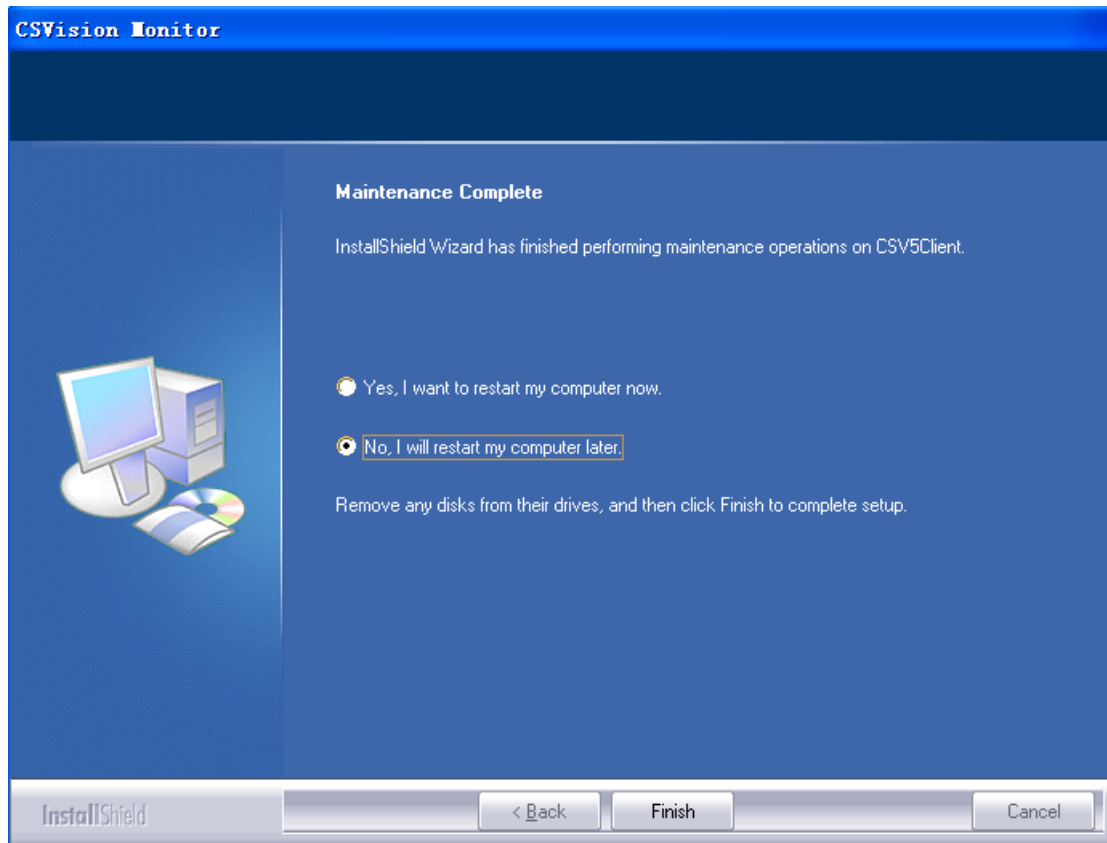
Uninstall warning

Choose [remove], click [next], as:



Uninstall confirmation

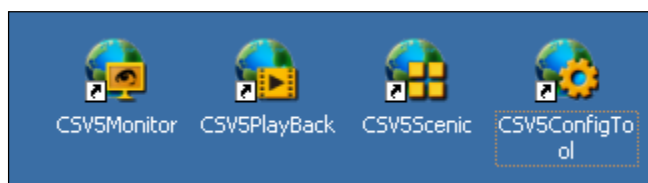
Choose [Yes] to start uninstall the client software as



Uninstall complete

Click [finish] to complete the uninstall

Chapter 3 Log On and Log Out



After installing, four functional modules will have shortcut at the computer Desktop, select the desired function module for landing

Note: It is recommended that the client software and server-side software to be installed separately.

3.1 System Log On

Click on the desktop "CSV6Monitor" login icon or click the " Start / All Programs / CSV6/CSV6Client/CSV6Monitor" to start login window

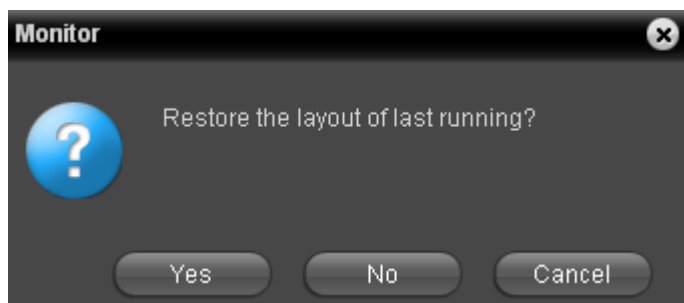


User name, password: user name and password are set by the system administrator.

The system default administrator user name: admin, password is empty.

Server IP: same as monitor management server's IP address.

Note: The drop-down menu will save all selected server address. When the landing is very slow, the user can press Esc key to exit the logging. Logout: Click "Cancel" button in the login screen, the system will exit the logging.





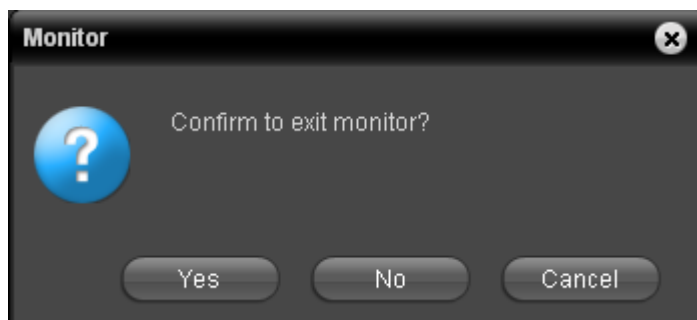
Login dialog box will pop up: "Restore the layout of the last screen?"

Click "Yes" to restore the screen layout before the last exit

Click "No" or "Cancel" not restore the last screen layout, the default layout of the new work area is 4-zoned.

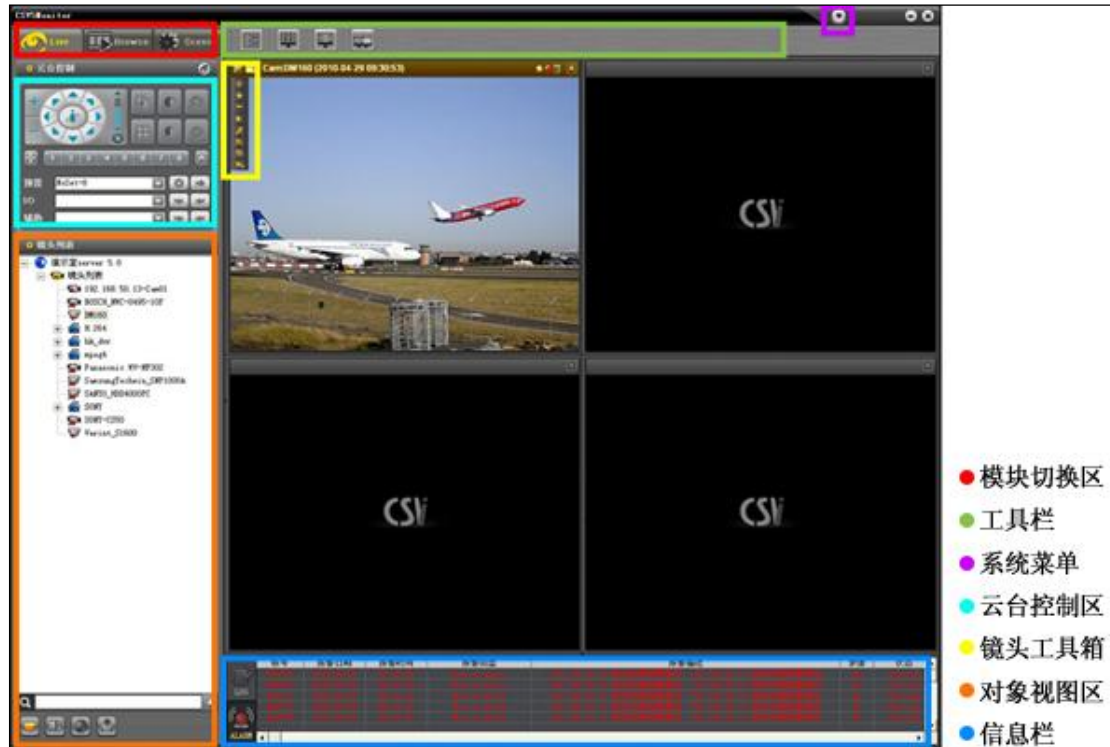
3.2 System Log Out

Click the button  or the " Exit "sub-option of menu  on the upper right corner of the main client interface. Click the " OK "button to exit the network video surveillance client in the pop-up dialog box.



Chapter 4 Real-time View

Real-time browsing interface:



- 模块切换区
- 工具栏
- 系统菜单
- 云台控制区
- 镜头工具箱
- 对象视图区
- 信息栏

Module switch
 Tool bar
 System menu
 PTZ control zone
 Camera toolbox
 Object video
 Information bar

4.1 Module Switch

In the module switch area module, there are three switch modules, real time image at "live", video playback at "browse", time slice at "scenic". These three modules show highlighted status after the click and being activated. And switch to the appropriate module. As shown below:



4.2 Toolbar

There are the four buttons in the toolbar, as shown in the picture: window mode, patrol mode, full screen mode, and multi-screen expansion mode.



Four mode switch button on the toolbar

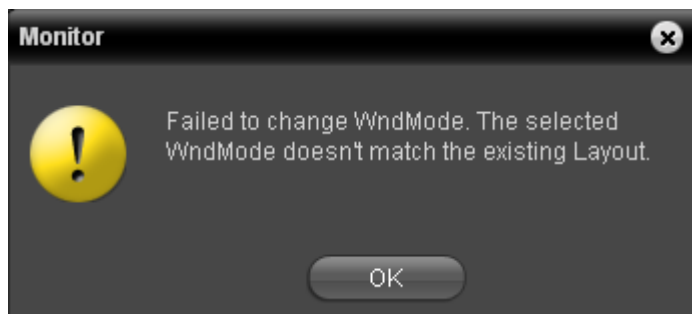
4.2.1 Window Module

In window mode, window switch (6 types), common camera combination mode (9 types), special features of the cameras combination screen mode (four kinds) are functional, as.



Window module contains 19 kinds of windowed modes

In the workspace, click on any window mode, the selected one will replace the old one. If pops up a dialog box "Error: the selected window mode cannot support the existing window layout." Please turn off all the video screen then switch.



Error

4.2.2 Patrol Mode

Patrol mode/manage

There are three buttons in "patrol mode/manage", as new layout button, new layout patrol

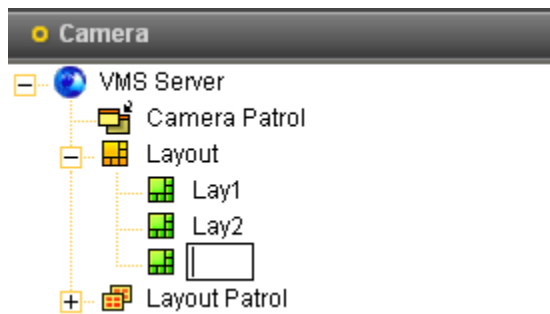
button, and patrol mode control button. Patrol mode control button is not available as,



New layout

Click on the new layout, at the same time, it will pop up unnamed elements in the layout

list as shown:



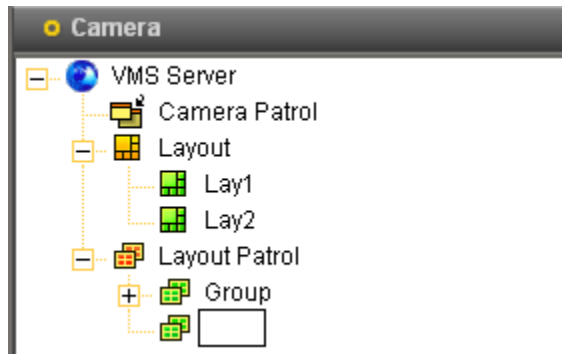
Name the new added layout in the list, right click to choose the main layout or assist layout.

New layout patrol group: click "new patrol" button in the toolbar as



New patrol button

After clicking "new patrol button" in the toolbar, the following picture will show in "patrol group list" in the camera list on left.



Name the new patrol group in the patrol group list

after name the new patrol group, drag the patrol elements from the layout list to new patrol group, double click the new patrol group will activate the patrol.

On-duty patrol: double click the patrol button, the third button in the “layout/patrol management” bar will indicate “on duty”, as shown below:



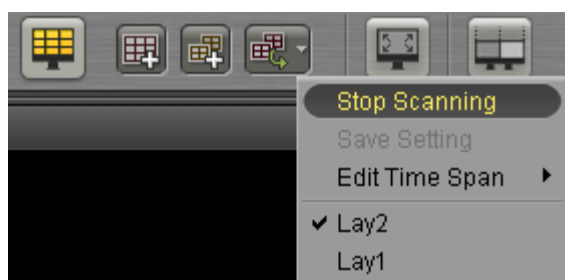
Button status for on-duty patrol

Patrol pause: click “on-duty patrol”, the button will indicate “patrol paused”, as



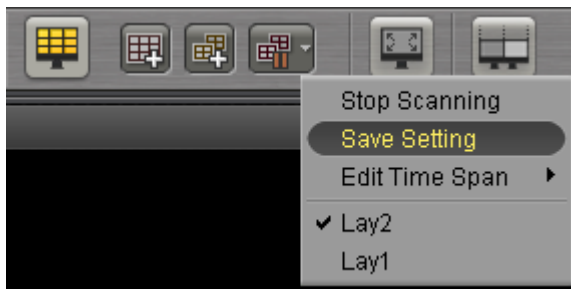
Patrol pause status button

Stop patrol: when patrol button is functioning in patrol module, click the first option “stop patrol” from the drop down list. The button is invalid after click as,



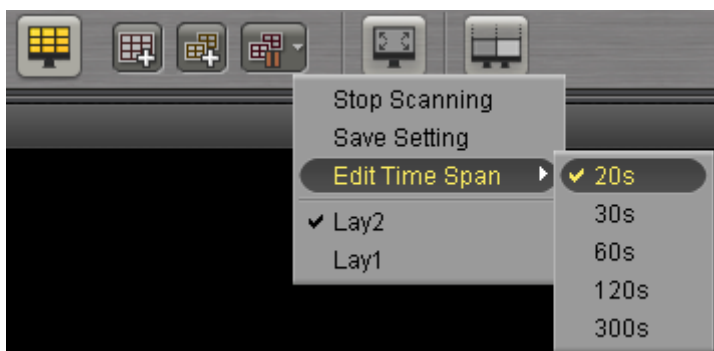
Patrol option

Save the patrol setting: in the work zone, after changing the patrol time of the patrol group, click the second option “save patrol setting” of the drop down menu of patrol, the changed setting will be saved. As,



Save patrol setting

Edit current patrol site time: while patrol group is patrolling, the current monitoring site can be edited. Automatically after start patrol, there are 30 seconds for site time. The changes can be used only after saving the time at “next patrol time” in “save patrol setting”



Edit current patrol site time

Patrol list: in the dropdown list of start/pause patrol status control button, the last option

“patrol list” listed currently on duty patrol elements. Layout can be swift manually, and layout can be change in “layout list” and “patrol list”

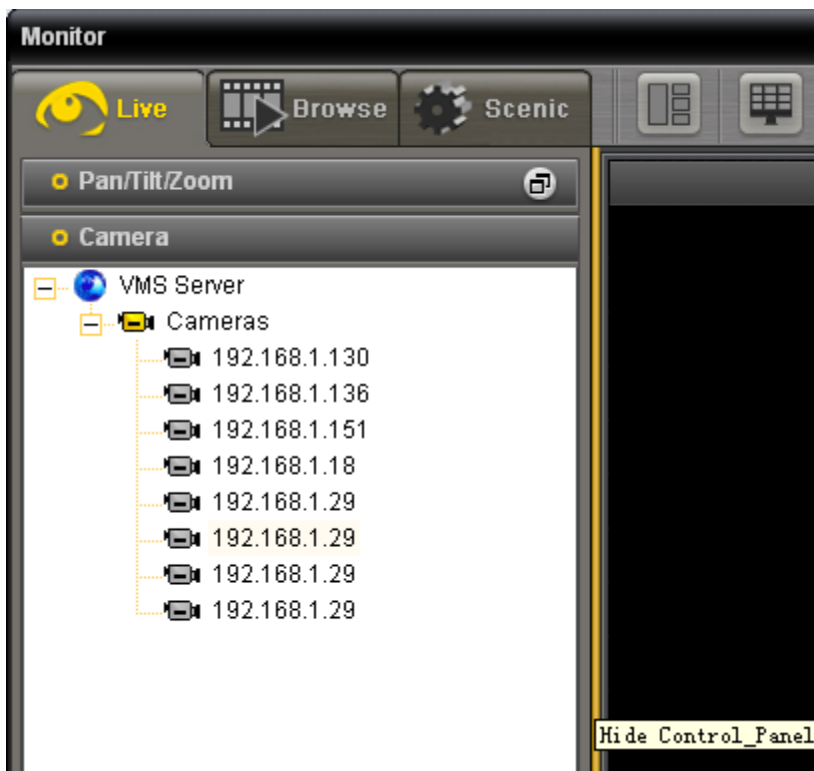
4.2.3 Full-screen Version

Full-screen mode



Full-screen button

Click the button, client work zone will display in full screen. Press ESC to exit



Hide/show control zone

Index	Date	Time	Event Type	Severity	Description	Recording
					Hide Log Grid	

Hide/show diary

4.2.4 Multi-screen extension

Multi-screen mode



Multi-screen button

Click the button to unfold the multiply screens, another click on “multi-screen” button to fold other screens.

Multi-screen function introduction

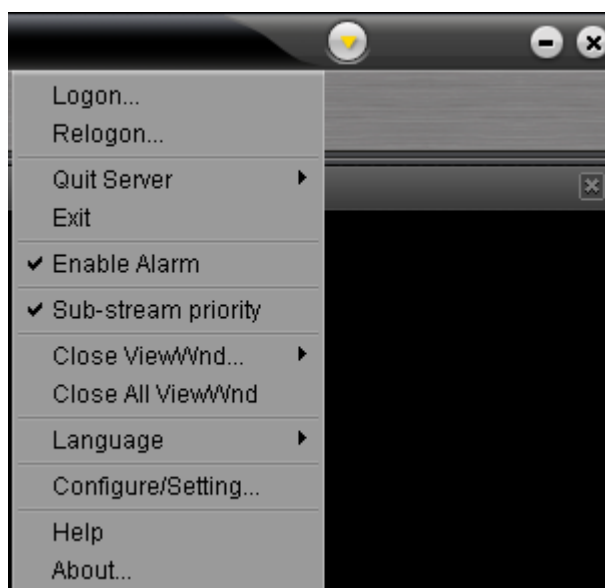
Function	Operating	Introduction
Multi-screen extension	extension manually	The 2, 3, 4 are default sub-screens. When the screen is available, workspace display can be activated manually on split-screen.
	screens series	In the Windows right-click desktop/ Properties/Settings, display serial number should match
	window module in sub-screen	every sub-screen has corresponding window module for window switch

	Layout of each sub-screen	Control the sub-screen's patrol
	Full-screen of each sub-screen	Sub-screen's window module will display in full screen. Press "Esc" to exit full screen mode.
	Operate on each screen	Drag cameras, layout, patrol, patrol group and digital map into the main/sub screen for further operate

4.3 System Menu

System menu

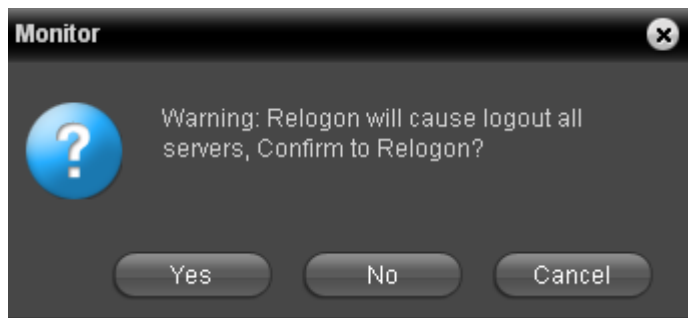
System menu includes: log on, re-log, log off the server, exit, dealing with alarm information, shut windows, language, setting tool, help and about us



System menu

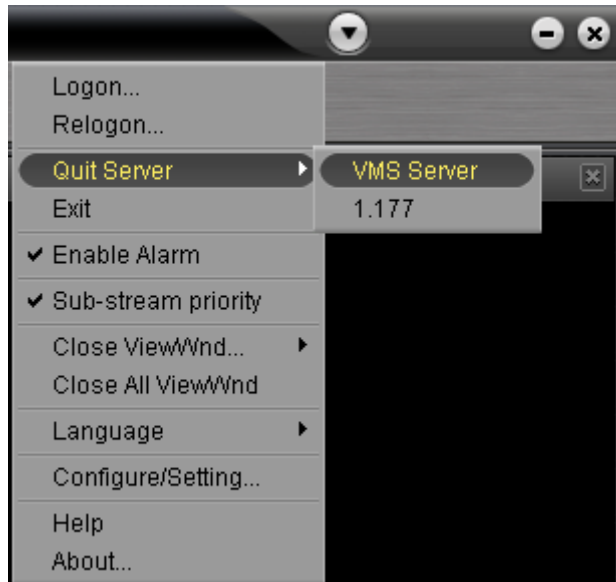
Log on: his function can enable the user to log on multiply servers. Click and system will show a dialog window, key in user name, password and server IP to log on server. But the same cannot re-log on the same server at the same time.

Re-log: click “re-log”. Before relogging, the user has to log out from all the servers.



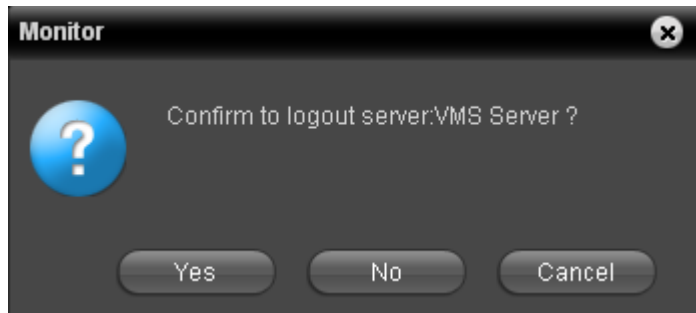
Re-logging will logout all servers.

Logout server: choose the server to logout, as:



Logout server

Choose the server to log out, system will show the window “logout the server?” as:



Logout confirmation

Click "yes" and log-out the server.

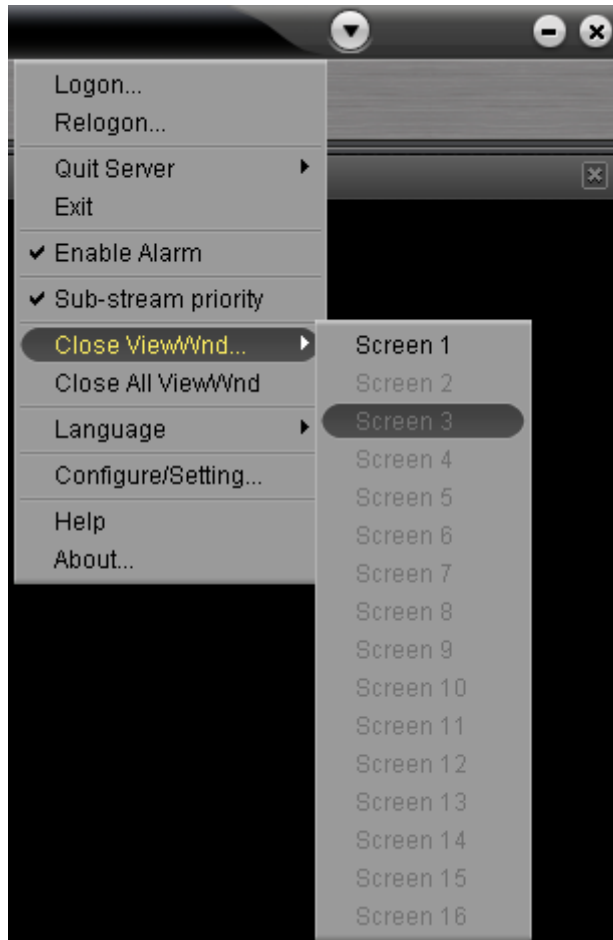
Exit: exit from the client operation. Choose exit from the system menu, the system will ask "Exit CSVMonitor?", choose "yes" to exit from the client software.



System alert "Exit CSVMonitor?"

Process alert information:" ✓Process alert information", client will receive and process alert information. Cancel the "Process alert information" and the user will not receive any more alert information nor able to process it.

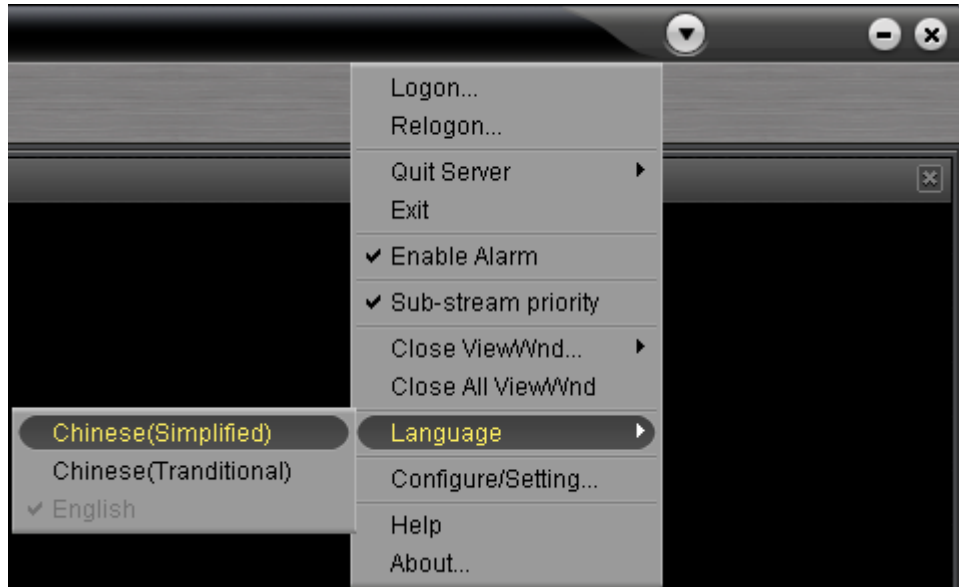
Shut window: shut indicated sub-screen's camera and digital map.



Shut window

Shut all windows: system will shut all windows and maps.

Language : Choose the language in system menu; change will be activated after reboot the system.



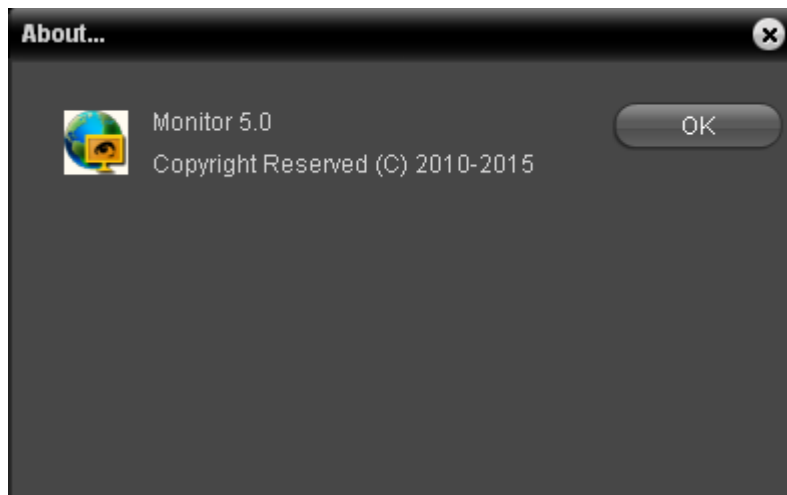
Language tool box

Configuration tool: "configuration tool" is activate and switchable in system menu

Help: click "help in the system menu will display the software use manual.

About: click "about" in the system menu, client software edition information and company

name will display in a jump-out window as:



About information

4.4 PTZ Control Zone

PTZ control zone









PTZ control zone shown as











Set physical PTZ control zone parameters in CSV6Configtool, choose the PTZ camera in CSV6Configtool, the corresponded button will be highlighted. The following table indicates more details:

PTZ functions description

function	icon	operate	description
PTZ		Extent/restore	extent/restore PTZ control zone Mouse click to extent, another click to restore
control function button		PTZ camera Direction control	↑ ↓ ← → ↖ ↗ ↘ ↙ 8 directions ↖ ↗ ↘ ↙ PTZ supported Mouse short click- short time move Mouse long click- constant move


	PTZ zoom-in	long click mouse to control the close focus Release the mouse then the focus is correct
	PTZ zoom-out	long click mouse to control the long focus Release the mouse then the focus is correct
	PTZ rotate speed control	left click the mouse plus “+” key to speed up the PTZ rotating Left click mouse plus “-“ key to slow down the PTZ rotating
	PTZ horizontal monitoring	when the hardware supports this function mouse click this button to turn the PTZ 360 degrees
	set position patrol pause	Choose a PTZ, choose several camera sites as set positions then choose patrol. Another click to pause the patrol
	switch	When the layout is four-pictured, click this button to switch windows separated.
	restore	when the layout is four-pictured, click this button to display the four at the same screen
	close focus	long click on the mouse to control the close focus till the focus is right (optional) this function needs corresponding hardware



	Long focus	<p>long click on the mouse to control the close focus</p> <p>till the focus is right (optional)</p> <p>this function needs corresponding hardware</p>
	aperture zoom-in	<p>long click on the mouse to control the close focus</p> <p>till the focus is right (optional)</p> <p>this function needs corresponding hardware</p>
	aperture zoom-out	<p>long click on the mouse to control the close focus</p> <p>till the focus is right (optional)</p> <p>this function needs corresponding hardware</p>
 	PTZ function switch	<p>Click to change the physical PTZ into digital PTZ.</p> <p>After this, all control buttons in PTZ control toolbar is inactivate.</p> <p>Digital PTZ is not functional without the physical equipment. PTZ cannot be controlled while patrolling</p>
	expand zone	click to unfold the expand zone
	fold expand zone	click to fold the expand zone

		<p>Common used 1-8 pre-set keys</p>	<p>1-8, eight pre-set keys same as the first eight keys in the 255 pre-set keys in expand drop-down menu</p>
--	---	---	--

4.5 PTZ Extent Zone

Expand function introduction

Function	Icon	Operation	Description
Expand function		255 pre-set	<ol style="list-style-type: none"> 1. Shortcut for the first 8 preset 2. The default setting is No.9. The same setting way as the table above 3. No.9-255 preset need to be selected from the dropdown list 【go to preset】 key can move the PTZ to the next position 4. . the default position is named Noset-X (status unset) <p>Rename the preset click from the drop-down list and click the preset position to save the changes.</p>

		<p>On/off Alarm Position/re set</p>	<ol style="list-style-type: none"> 1. Drop-down menu defaults to 3 switches and an access control 2. User can use encoder and the PTZ device. 3. Verify the device test switch serial number 4. In the expansion area-I / O drop-down menu, select the corresponding group one 5. Right click on the preset key. Manual output the alarm. 6. In the front-end device through the switch signal, connected to the sound and light, or with a wire connected 7. Message pop up when equipments are on or software alarm linkage 8. click the drop-down menu - the reset button can cancel the alarm output <p>--</p> <p>Access: access is valid after equipment installation</p>
		<p>Assist Set/go to</p>	<ol style="list-style-type: none"> 1. The program comes with eight auxiliary spaces 2. Can control the special features on the PTZ, such as wipers, PTZ thermostat device

4.6 Object Video

4.6.1 Camera

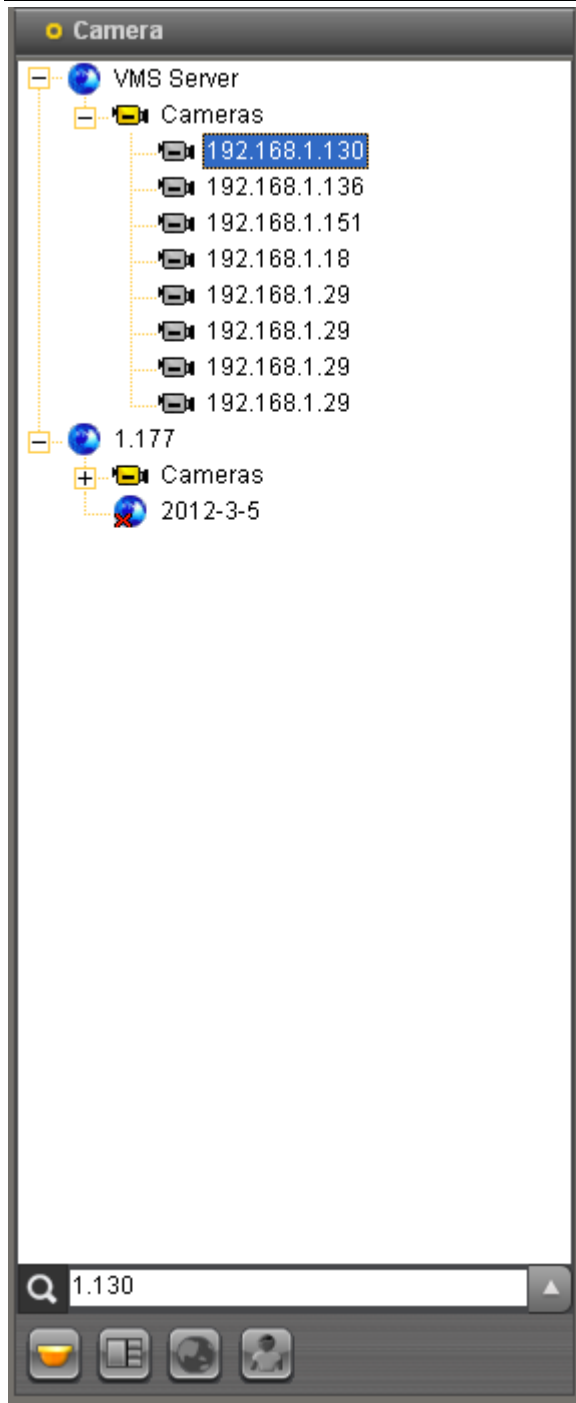
Object video includes four modules: camera, patrol, digital map, online user.

Key word search function valid, as:



Key word search: input any Chinese and English letter within the camera's name to search the facility, digital map, layout and user.

Camera list as:




Equipment status: different equipment status has different icon as:

Camera with red spot means recording “”

Camera with red crossing means the device has logged out “”

Camera in service “”

PTZ in service “”

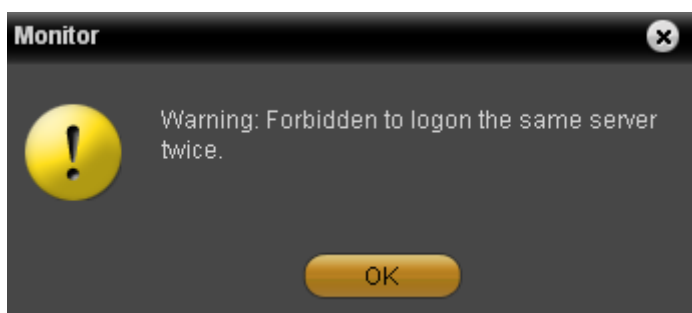
Sublevel server with red crossing means the server is logged out 

Select: click each server, position, camera on the camera list. The selected ones will be in blue.

Log on multiply servers: CSV6Monitor can allow the users to log on more than one server at the same time. Log on multiply servers on system menu, server's equipment information is available in the camera list. Log on every server, the server's name will show and the equipments list is fold.

Log on multiply servers: CSV6Monitor can allow the users to log on more than one server at the same time. When log on a main server, sub-server information will display but the equipment information will not be present automatically. Equipment's information on the sub-server will be listed only after logging on from the system menu.

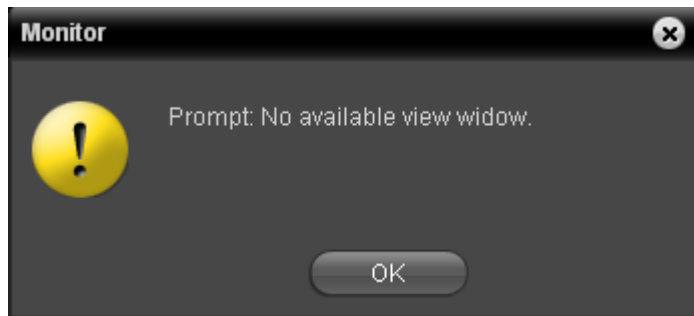
Forbid re-log on the same server: in CSV6Monitor, if the user tries to log on the same server again at the same time, the system will alert "cannot re-log on the same server" as



Camera drop-down list operate: double click "camera list" to unfold the camera list, double click the camera or left click the camera and drag to the window area, in the real-time list,


LOGGED out equipment  cannot be operated.

When the current window is full, the system will notify: "operation fail: no available window, please change the window mode or close some windows."



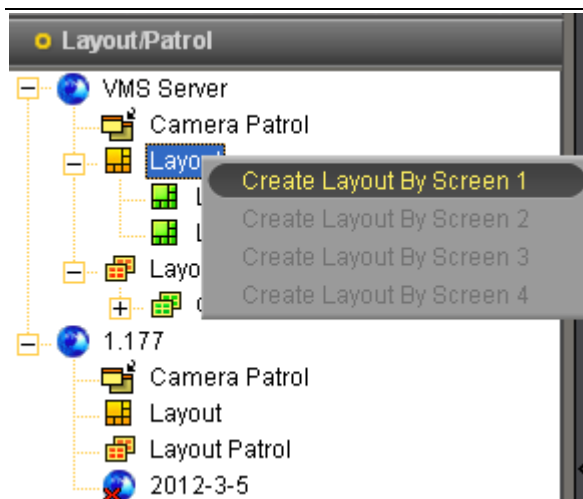
When layout window activate in the working zone: single window patrol, the dragged-in-equipment will not be covered but treated as a patrol element.

4.6.2 Patrol

Clicking  to go to the layout list in the client system, the user can edit layout, patrol, and camera on patrol as

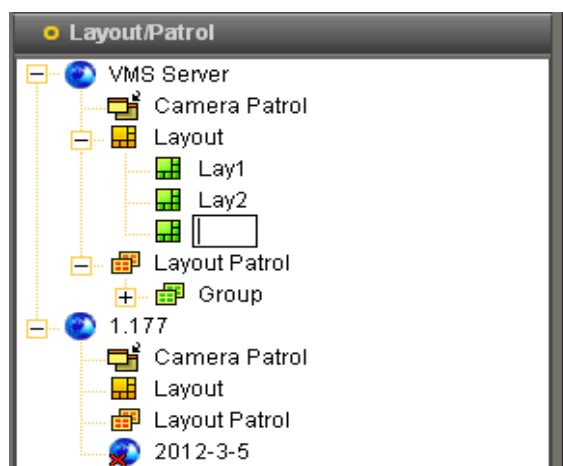


Layout list-new layout: right click to create a new layout, choose "new main screen layout"



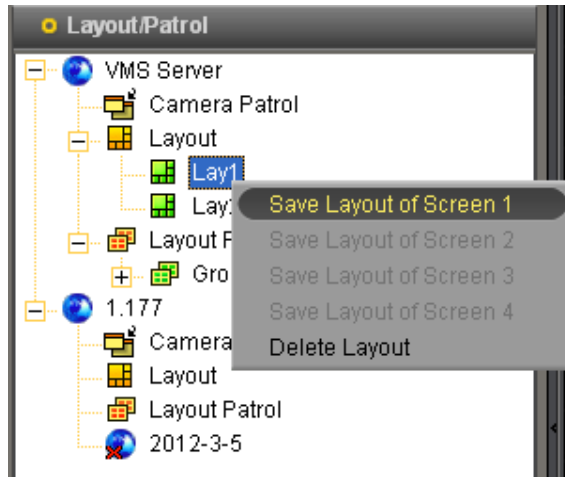
New main screen layout

IN THE LAYOUT LIST, EDITABLE NAME WILL APPEAR AS THE FOLLOWING PICTURE: THE USER CAN KEY IN THE NEW LAYOUT NAME IN THE LAYOUT LIST AND CLICK ON THE BLANK AREA OR CLICK “ENTER” TO SAVE THE NEW LAYOUT.



Name the new layout

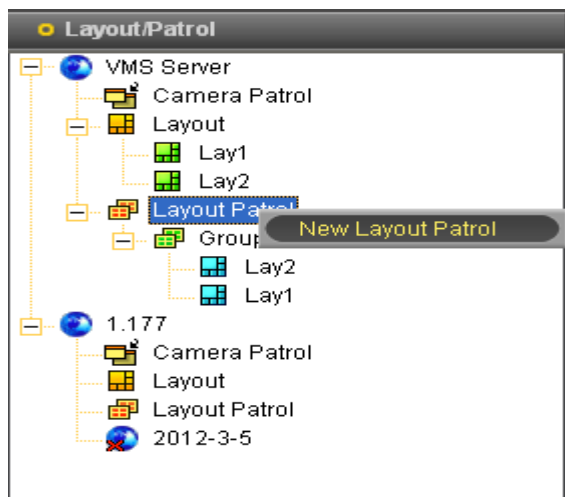
layout list—edit/delete layout: to edit the existing layout, first the user need to open the layout, then edit it in the working zone and right click what needs to change and this moment the warning window will pop out as “save the main screen layout” or “delete the layout” as below:



Edit/delete layout

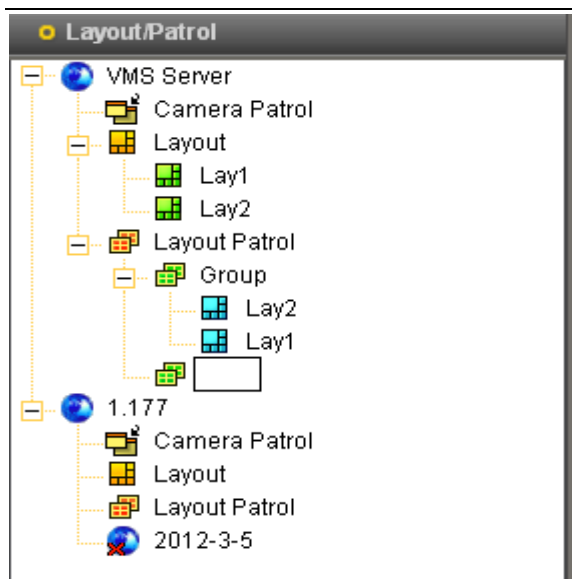
layout patrol list—new layout patrol list: in the layout list, right lick “layout patrol group list”,

the window “new layout patrol group” will pop out, as




New layout patrol group

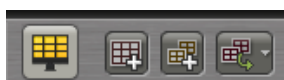
After choose “new layout patrol group”, see:




Name new layout patrol group

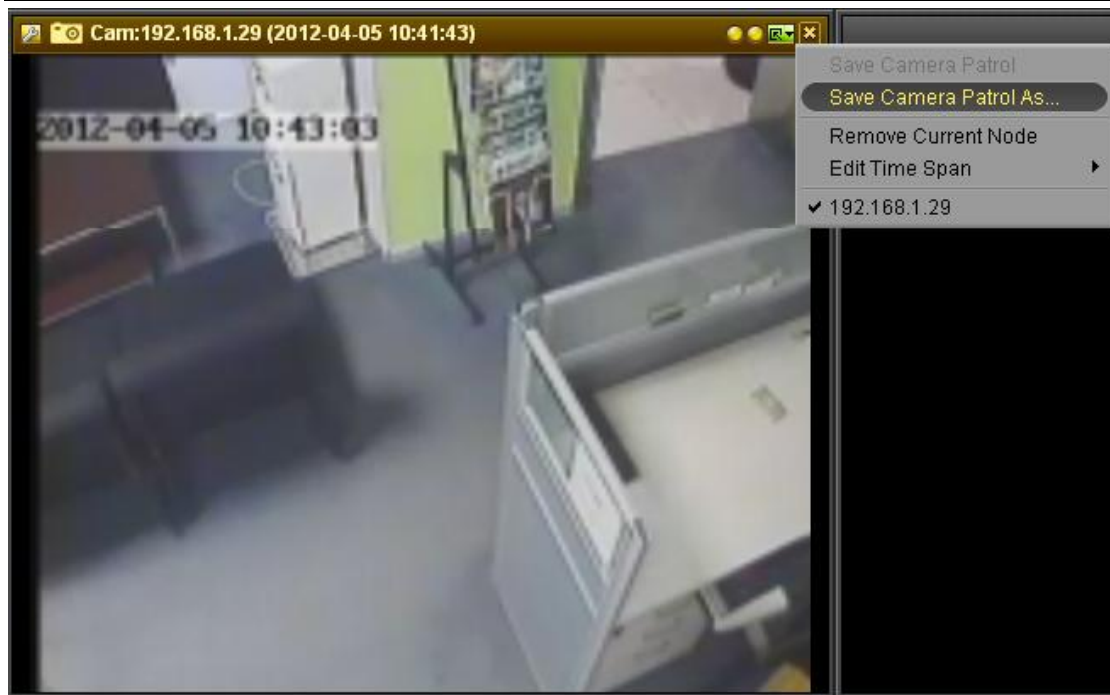
Drag each element from the layout list to the layout patrol group as an element in the current patrol. There will be a  sign appearing in front of the patrol group, click this icon all elements inside this group will be listed, drag the elements can change the ranking.

Layout patrol group list- ACTIVATE layout PATROL GROUP: double click the name in layout patrol group list to active the group. The third button in the toolbar will be “on duty patrol” status, as below:



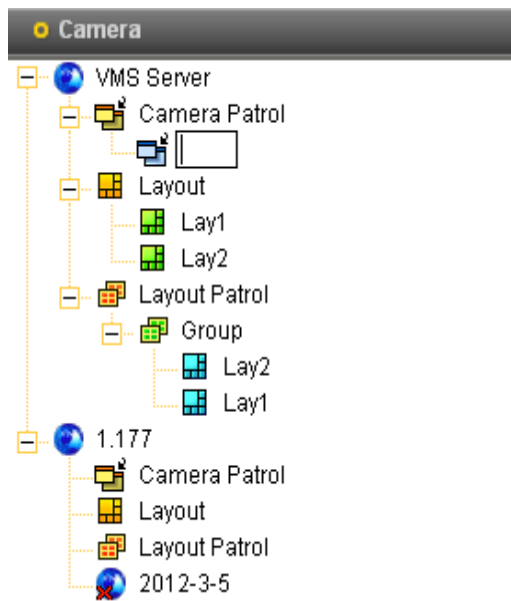
Tool bar's change after activate the patrol group

camera patrol group list-new camera patrol group: in the camera working zone, click the camera patrol button into green , drag any camera from the list into the group, and then right click “save as” as below:



New camera patrol group


After select “save as”, there will be new group name in camera list area, as

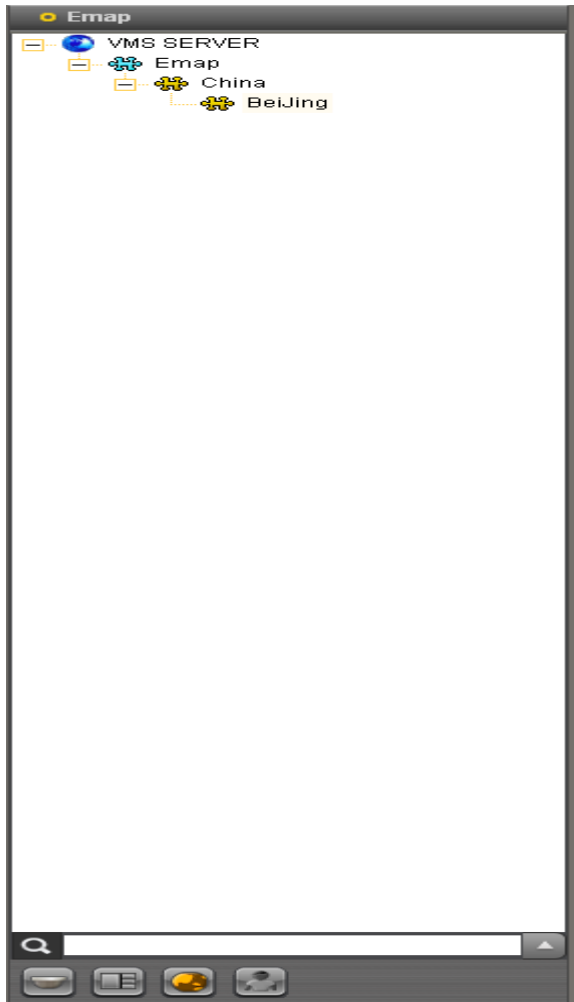


Name camera patrol

In camera patrol group, name a new camera patrol group, double click “camera patrol group list”, new group will be activated. In the working zone, one window will automatically start the camera patrol; the group will support multiply servers’ operation.

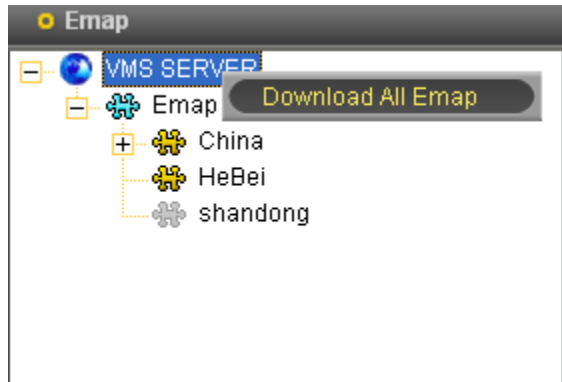
4.6.3 Emap

Click  button in object video, digital map will display with the current server map, as shown below and map list (offline emap list)



Emap list (offline)

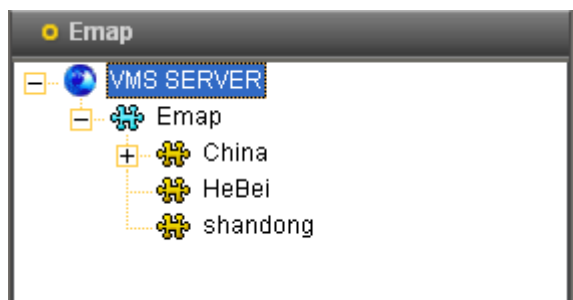
The digital map has to be downloaded first. Right click the server and choose “download all void maps” as shown below:



Download void map

Click “download all void maps” and the client software will download all maps from the server. The user can double click the map list to activate the map in order to use for work.

Below is an activated map:



Successfully downloaded digital map

4.6.4 Online User (omission)

4.7 Cameras Toolbox

Un-patrol mode working zone

The work zone default set is 4-imaged. In un-patrol mode, the work zone will include camera tool box, digital map toolbar, image snapshot, title, record, server record, window


patrol, shut window.

4.7.1 Un-patrol Mode

When the camera is open in the work zone, the corresponding toolbar will be activated. as










following the camera window module :






The toolbox icon  is the first one on the left corner. There are the following options for camera control:

function	operate	status	description
----------	---------	--------	-------------

<p>camera Toolbox</p>		<p>Physical PTZ valid: yellow</p>	<p>When physical PTZ is valid, left “PTZ control zone” is highlighted</p> <p>Double click any place at the screen to rotate the PTZ</p> <p>Left click the mouse to select the area for camera zoom-in.</p>
		<p>Digital PTZ valid: green</p>	<p>When digital PTZ is valid, the left “PTZ control zone” is invalid.</p> <p>Left click the mouse to select area to zoom-in digitally.</p> <p>at the right bottom of camera/digital map work zone will show the whole image, the user can double-click and drag it for further purpose.</p> <p>Double click: double click the whole image and the chosen part will be enlarged.</p> <p>Drag: drag the enlarged image into the display window and it will be shown on the screen.</p>
	<p>Zoom-in/enlarge</p>	<p>Valid to physical PTZ</p>	<p>click the icon</p>
		<p>valid to digital PTZ</p>	<p>digital zoom-in function</p> <p>use the mouse wheel, move forward to zoom-in/Enlarge</p>

	zoom-out/shrink 	valid to physical PTZ	zoom-out
		valid to digital PTZ	digital zoom-out use the mouse wheel, move backward to zoom-out/ shrink
Audio on/off	audio on 		green indicates on
	audio off 		yellow indicates off
Mic on/off	Mic on 		green indicates on
	Mic off 		yellow indicates off
Image enhancement on / off	Image enhancement on 		Open the toolbar and click the status, random click to fold the toolbar. Right click to select area of image to enhance
	Image enhancement off 		open toolbar click to turn off the image enhancement function
new bookmark 	create new bookmark to search author, content, create date at the time slice		Click “toolbox-create bookmark” and the image below will pop out.  bookmark description (<100 letters) Key in the content then clicks ok.

	Pre-set position patrol	Pre-set position patrol operation	<p>double click “Pre-set position patrol”, window below will pop out</p>  <p>preset patrol setting (e.g. 2,7,5,9-11,15-30) patrol time_ second</p> <p>Set the desired locations for patrol (for example 2 , 7 , 5 , 9-11 , 30-34)</p> <p>set patrol time</p> <p>click ok</p> <p>”start patrol“ button will be green  ”</p>
	Pre-set position patrol	Pre-set position patrol stop	<p>If the user wishes to stop the patrol, click again “pre-set patrol” button  , patrol stops when the icon turns yellow.</p>

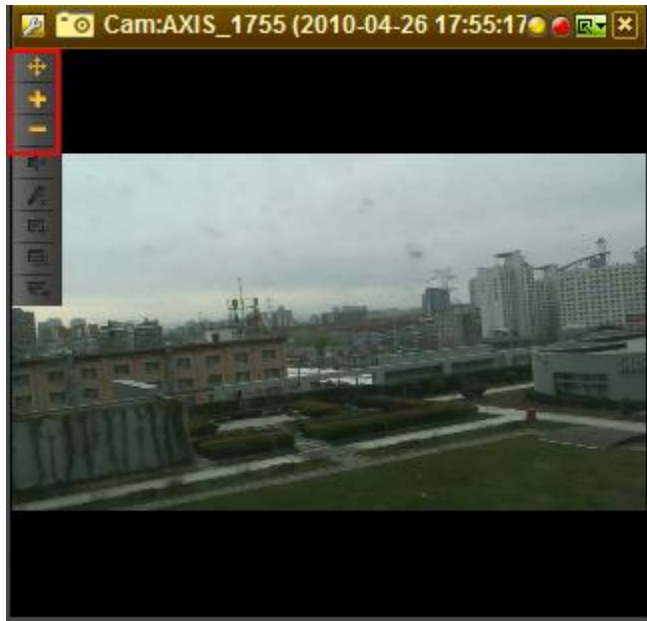
4.7.2 Patrol Mode

Work zone in patrol mode

Many work zone operations in patrol mode is different from the one in other mode. The main difference is the **camera Toolbox**. **The default work zone is 4-pictured, in patrol mode, the available operations on work zone are:** camera Toolbox, digital map toolbox, image snapshot, title display, local record, server record, window patrol, shut window. Here are

some operation details which are different from the ones in un-patrol mode.

Camera Toolbox in patrol mode



The camera toolbox operation is rather different in patrol mode than in un-patrol mode. As

indicated in the following table

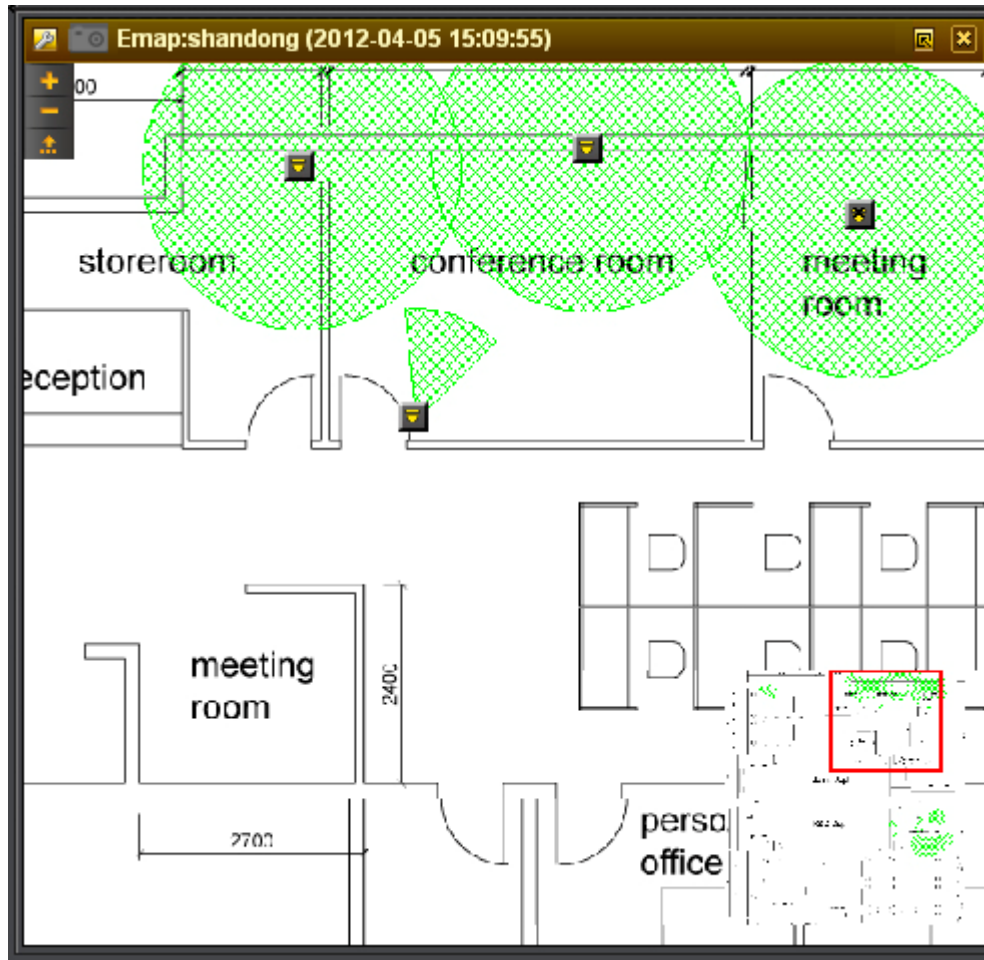
operation	status	function	description
-----------	--------	----------	-------------

Operation in patrol mode	Toolbox available	camera Toolbox	<p>camera toolbox button:</p> <p>Physical PTZ button: when the camera supports physical PTZ, the yellow physical PTZ button is available in the toolbox. The physical PTZ is invalid when the camera is in patrol mode. Double click the patrol window to rotate the physical PTZ.</p> <p>Digital PTZ button: this button is valid for controlling PTZ for digital zoom-in when the user chooses a certain area to enlarge using the left click of the mouse.</p> <p>Zoom-out/shrink button: when the physical PTZ is valid, this button can use to zoom out the view. When digital PTZ is valid, this button is used only for shrinking the view.</p> <p>Audio on/off: this function is invalid in patrol mode. The user can not hear device's sound during patrol.</p> <p>Microphone on/off : During patrol, microphone is in valid mode. The user can not use the microphone.</p> <p>Image enhancement on/off: in valid during patrol.</p> <p>Add title: invalid during patrol.</p> <p>PTZ preset: invalid during patrol</p>
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	digital map toolbox	Three shortcut keys are valid in the digital map toolbox, digital enlarge, digital shrink, return to the upper level map. Same usage as the digital map toolbox indication in above table, but after this patrol site's monitoring, those operations are not saved.
add patrol site	Drag the image/map to the window	Drag the image/map to the window will add to the patrol window in order.
title bar drag and double click	Support the operation of double-click and dragging the title bar	Double click: double click the title area to display the scene in single window. Drag: drag the title to display area, drag this window to other position or window.

4.7.3 Digital Map


When digital map is displayed in the work area, toolbox will change functions accordingly, demonstrated below is the digital map's layout at work zone. The snapshot function is not valid when the digital map is in the window; there is no local record button, nor server record button.

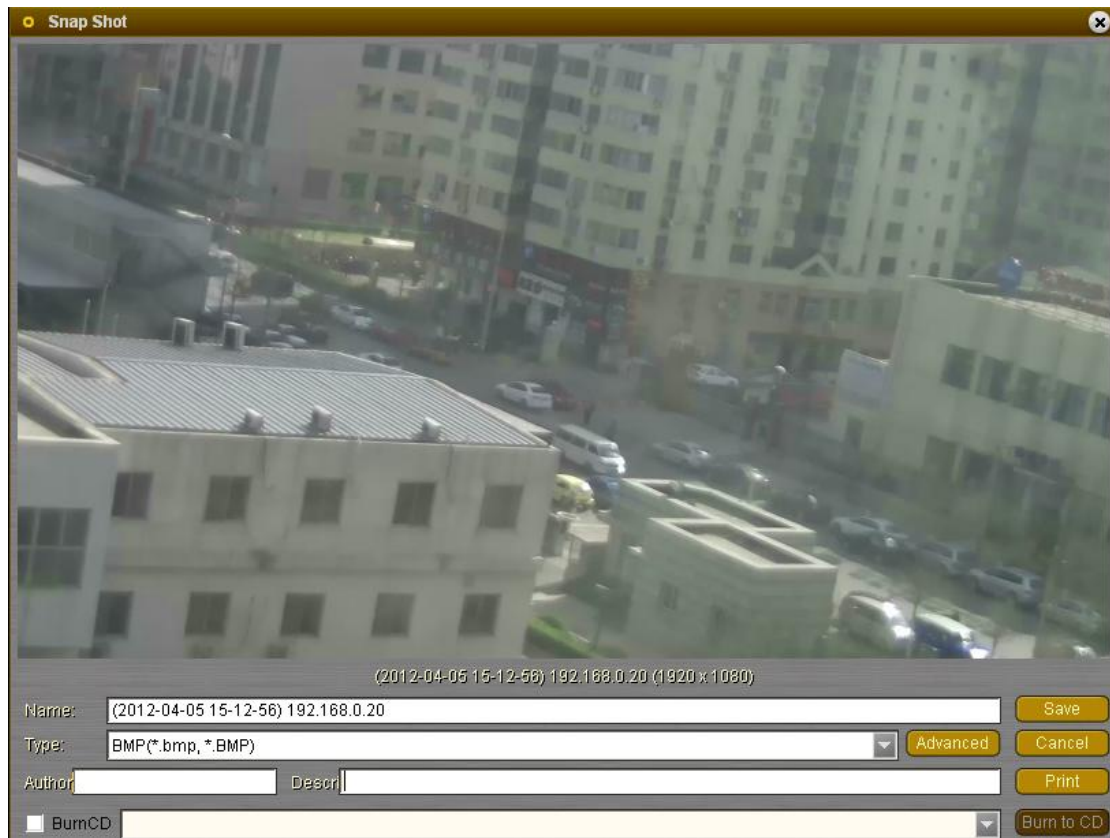


Digital map toolbox's functions include: digital zoom-in, zoom-out, return to higher level map, double click/drag certain area of the digital map, double click/drag digital map title bar. The following table has more details

function	operation	description
Digital map toolbar 	digital zoom-in	Click  button to zoom-in/enlarge a certain area, the effect depends on the picture's quality and window size. Digital enlarge: long left click, mouse wheel is also valid to operate on the map and video.
	Digital zoom-out	Click  to zoom-out/shrink certain area on the map. This function can also achieve by the wheel.
	return to the upper level map	Click  in the toolbox, if the map belongs to the sublevel, the window will return to upper level map will the highest level, this time the system will pop out "This Emap is the topmost emap."
	double click/drag certain area in the map	Double click: double click a certain area in the whole view picture at the right down corner of the work zone window, map will zoom-in that area Drag: drag the enlarged area to any place in the whole view picture, now the work zone will display this area.
	double click/drag title bar of the map	Double click: double click the title display area; the window will be one-windowed display mode. Drag: drag the title display area; drag this window to other position or other window.

4.7.4 Image Snapshot

In the image display area,  key in the title bar is for taking snapshot of images. Click this button will pop out dialog window “save image” as:



Save image window-title words display: Title in will be below the captured image, display format will be “date (server time) + name + resolution

Save image window—file name: the default title is “date (server time) +name+resolution”, the user can edit the name.

save image window-save type: snapshot image has two saving type: BMP(*.bmp , *.BMP) and JPEG (*.jpg , *.jpeg)

Save image window-save button: click “save”. To confirm the image, please check the file in C:\Program Files\CSV6\CSV6Client\Snapshot”

Save image window—cancel button: click “cancel”, the “save the image window” will disappear.

Save image window-advanced option: click “advanced option” to save image and to choose “print” and/or “Burn”

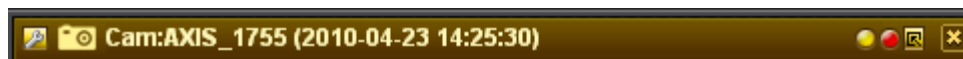
Save image window-print option: in the print option, the user can choose to fill in the author and description. print content includes: “Camera name”、 “Image actual time”、 “Image print time”、 “User name”、 “User’s note”

Save image window-burn option: tick the burn options, system will check the burn device automatically, if there is no burn device attached, the system will notify “Failed to initialize, no recording equipment available”

save image window- close “save image” window: there are three ways to close the window, click the “crossing” on window right up corner, click “cancel” button in the window and click “Esc” on the keyboard

Title display

Work zone will display “camera name” and “emap name” as shown below



Camera title bar



Emap title bar

Camera title name: when the work zone window is the camera, display format will be “Cam: camera name + (time)” the time will be the one of client and server time.

The user can double click and drag the title bar. Double click the title bar: maximize the window INTO ONE-window-display mode. Drag the title bar to drag this window to other places or window.

Emap title name: when the work zone is emap, the display will be “emap: emap name+ (TIME)” and the time is the user’s computer time.

The user can double click and drag the title bar; the options are the same as above.

4.7.5 Local Record

This button only affects the camera working area with two statuses,

No local record: the button will be yellow as the default status.

recording video to local save: the button will be green, default save file as : “C:\Program Files\CSV6\CSV6Client\LocalRecord”



Local record play please check chapter 8

4.7.6 Server Record

This button is valid only on the camera work zone with two statuses

Recording on server: this button only indicates whether the device is recoding on the server.


Other configurations for the server recording should set on the configuration tool. Red indicates recording.


Recording without server set: this button only indicates whether the device is recording on the server. Other configurations for the server recording should set on the configuration tool. Yellow indicated recording without set server.



4.7.7 Single Window Patrol

This button is valid only for the camera work zone with two statuses

Patrol pause: when patrol pauses, the button is yellow called "un-patrol mode" 

On patrol: green button indicates patrol mode, called "patrol mode" 

Camera patrol menu: the menu includes: save patrol group, save as patrol group, remove the current patrol site, edit current patrol site, current window patrol camera name.

Save patrol group: save the existing patrol group, valid after edit the current patrol group.

Save as patrol group: save the new patrol group

Remove the current patrol site; remove the current patrol site out of the group.

edit current patrol site, :DEFAULT WINDOW PATROL TIME IS 10S , OTHER OPTIONAL TIME ARE 5s、 10s、 15s、 20s、 30s、 60s、 120s

Current window patrol camera name: includes all camera names in the current patrol group.

Current camera has tick in front of the name.

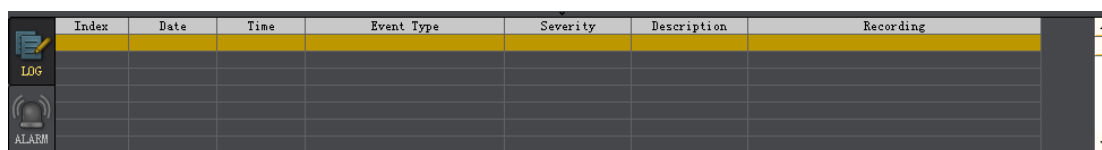
4.7.8 Close the Window

This button only works on camera and emap zone. This button can close image

and emap display. Close the image display window, the client software will exam and shut audio, microphone, image.

4.8 Information Bar

Information area includes diary information zone and alarm information zone. As figure W indicates, information zone's alarm sign will be at the left side of the area. Click and highlight "log" the information display will be the diary information. Click "alarm" to highlight it, information display will be the alarm events.



Index	Date	Time	Event Type	Severity	Description	Recording

Information zone

Operations on information zone include: display and hide the information zone.

Display: move the mouse to the bottom of the screen, choose the yellow line to open the information are.

Hide: after opening the diary bar, click again the yellow line will fold the information zone.

4.8.1 Diary Information Zone

Diary information zone maximum can save 100 diaries. The diary description includes mark, date, time, time type, level, description and record.

Mark: indicate the current diary quantity. This mark starts counting once the server and client are set. Every diary will add 1 to the mark. The user has to

look for diary in the configuration tool.

Date: the create date of the diary

Time: the time when the diary is created, accurate to second.

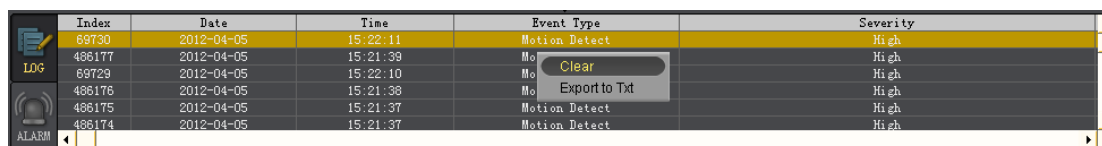
Event type: system supports the diary search base on types, which includes: user log-on, user log-off, illegal user, lost device, available device, new device, IO status , camera status, moving monitoring.

Level: there are four alarm levels: low, middle, high, and urgent

Description: the event description includes all types of events on the server.

Record: indicates whether the current device is recording on the server. Yes indicates recording and no indicates otherwise.

Operation on diaries including right click to empty the content and output into txt as shown below:

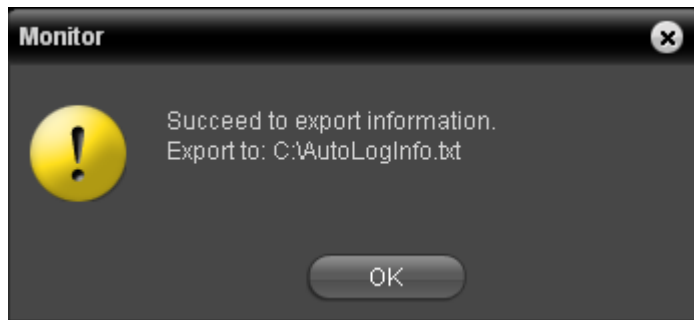


Index	Date	Time	Event Type	Severity
69730	2012-04-05	15:22:11	Motion Detect	High
486177	2012-04-05	15:21:39	Motion Detect	High
69729	2012-04-05	15:22:10	Motion Detect	High
486176	2012-04-05	15:21:38	Motion Detect	High
486175	2012-04-05	15:21:37	Motion Detect	High
486174	2012-04-05	15:21:37	Motion Detect	High

Right click log information to empty the content, output to txt

Right click to empty content: empty all log information.

right click to output txt : Right click log “output txt” to C:\AutoLogInfo.txt; the system will alert “succeed to export information”. The user can search the diary content at c:\AutoLogInfo.txt



Output txt file

4.8.2 Alarm Zone

EQUIPMENT ALARM INFORMATION WILL DISPLAY IN “ALARM” AT THE LEFT SIDE OF INFORMATION ZONE, ONLY CONNECTED IMAGE INFORMATION WILL DISPLAY IN THIS ALARM INFORMATION ZONE. THIS AREA INCLUDES: MARK, ALARM DATE, ALARM TIME, ALARM TYPE, ALARM DESCRIPTION, RECORD, AND STATUS. FOLLOWING IS THE ALARM INFORMATION WHEN THE USER OUTPUT INFORMATION:

	Index	Date	Time	Description	ecordin	Status	ServerIP	DeviceID
	486186	2012-04-05	15:21:05	1	No	DONE	36967596	938;938
	486159	2012-04-05	15:20:54	1	No	DONE	36967596	938;938
LOG	486153	2012-04-05	15:20:39	1	No	Waiting	36967596	938;938
	486152	2012-04-05	15:19:34	1	No	Waiting	36967596	938;938
	486152	2012-04-05	15:19:41	1	No	Waiting	36967596	938;938
	486154	2012-04-05	15:19:30	1	No	Waiting	36967596	938;938
ALARM	486154	2012-04-05	15:19:30	1	No	Waiting	36967596	938;938

Alarm information zone

Mark : Mark in alarm area is the item quantity of user output, cumulative number is 1

Alarm date: Indicate alarm date

Alarm time: Indicate precise alarm time, accurate to second

Alarm type: Indicate alarm type, motion detecting or IO status.

Alarm description: Alarm information when the user set alarm.

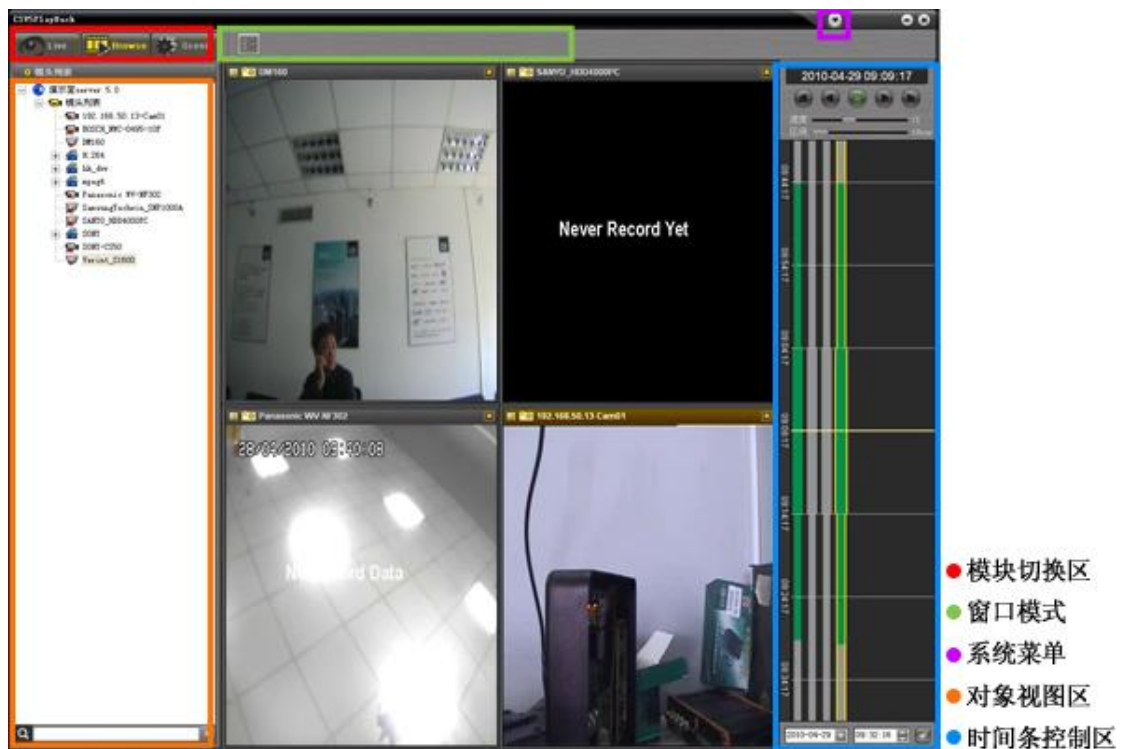
Record: indicate whether the recording is on

Alarm status: Un-settled alarm shows “waiting” in red, settled alarm has “DONE” in white.

Alarm information will not disappear without being dealt with; alert will disappear in 5 minutes. Multiply users can log on the same server, once one user deals with the alarm, the red information will automatically turn to white at other user's client-end, un-operated alarm information will not disappear.

Chapter 5 Record Replay

Record display layout



Module Switch

Window Module

System Menu

Object Video

Time control zone

5.1 Module Switch

Check chapter 4.1

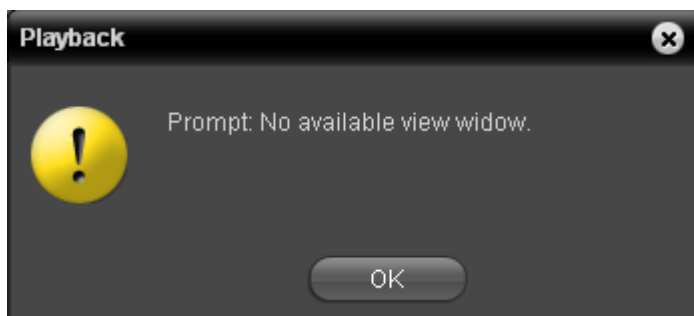
5.2 Window Module

The following 6 window number switch, common camera combination mode (9 types total), special function camera combination mode (4 types total) are functioning in window module.



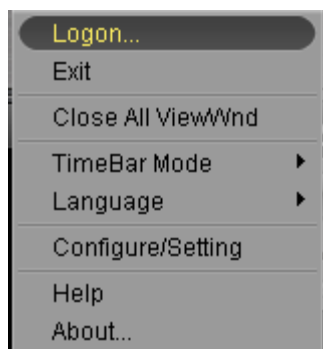
There are 19 types of window modules

In the work zone, click any window module to switch window. If the client pops out “error: this window module doesn’t support the current window layout”, please close all video images and switch again as shown below



5.3 System Menu

Click right-up icon  to enter system menu



Re-log: for re-logging or switching server

Exit : Exit from the record playing back to the client-end

Close all windows: close all windows in current layout.

Time bar mode: there are two modes: Horizontal / vertical, after selecting the user has to restart the client.

Language : Change the language setting in system menu, the user has to restart the client software afterwards.

Configuration tool: "open Configuration tool" is valid in system menu

Help: click "help" in system menu to display the client manual

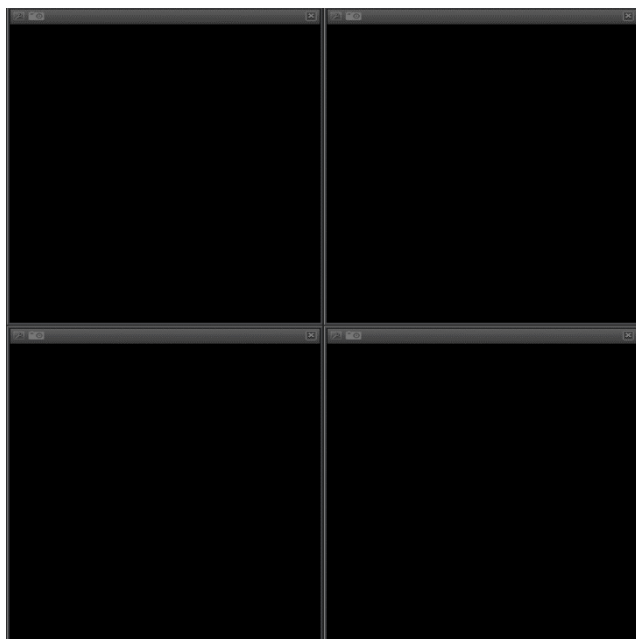
About: click "about" in system menu, client edition and company name will display.



About information

5.4 Object Video

Object video zone is where the record plays. When no recording camera is in the video zone, the display will be black with CSV logo.



There are several common notifications in object video zone while playing record:

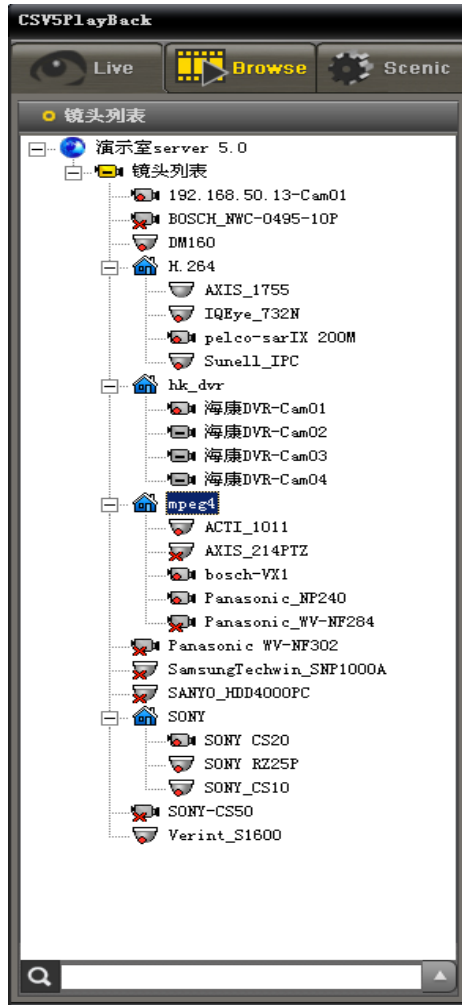
Connecting to Server : connecting to Server



No Record Data : no record data in current timeline

Connection Lost : connecting problem, server log-off, server log-off unexpected and other problems will cause connecting overtime. Please check the internet connection and server status, close the camera and re-open it.


Disconnection : Connecting problem, server log-off, server log-off unexpected and other problems will cause connecting overtime. Please check the internet connection and server status, close the camera and re-open it.

Device resource status: equipment list has different status to different equipments.




Red spot indicates recording “” “”

Red crossing INDICATES camera offline “” “”

Camera online “”

PTZ online “”

Sub-level server with red cross indicates server offline 

Key word search: search camera by any word in camera name

5.5 Cameras Toolbox

During the record replaying, use the camera toolbox to strengthen the image, create

bookmark, PTZ zoom-in/zoom-out. Click on any place of the client can cancel the drop-down menu; the following picture is before and after click:



5.5.1 Digital PTZ

Check chapter 4.7.3 for digital zoom-in instruction

5.5.2 Image Enhancement

Start image enhancement, right click to select certain area of image for enhancement,

every video display area can edit only one picture enhancement



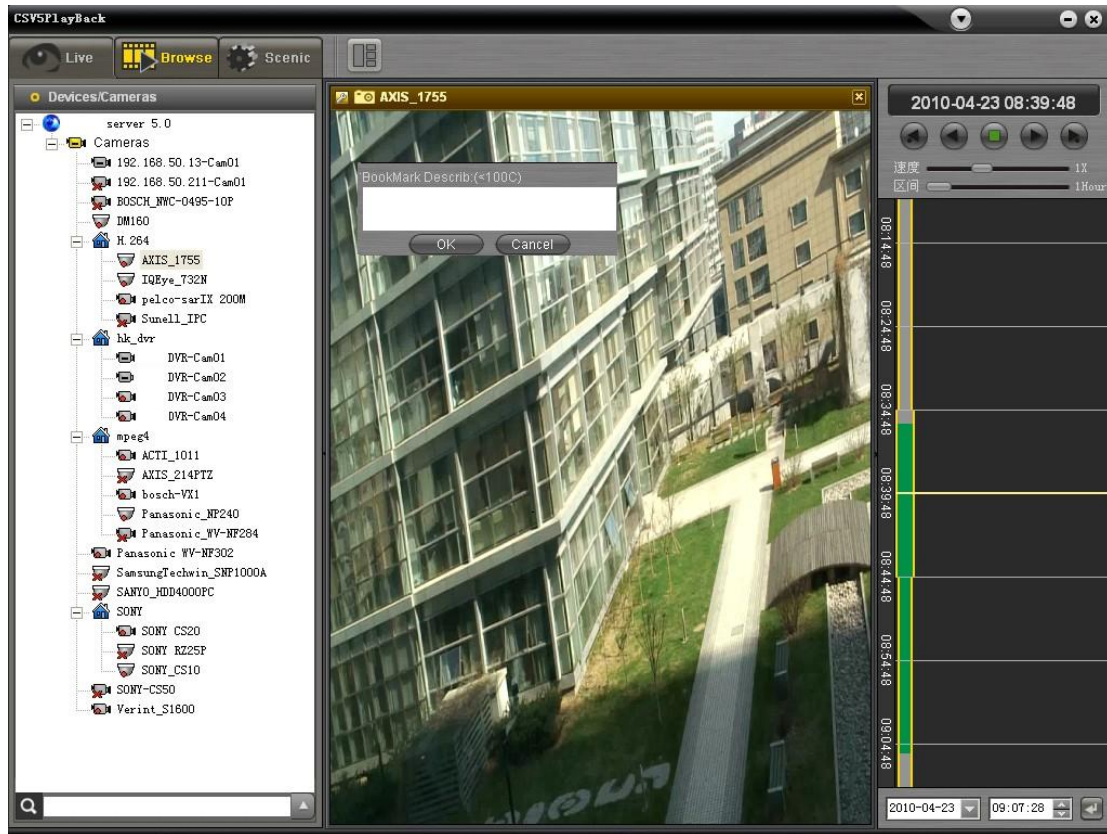
Picture enhancement off



Picture enhancement on

5.5.3 Create Bookmark

During replay, if the user needs to create new bookmark for further time slice check, click the camera toolbox, the new bookmark will pop out and record questions. This bookmark can be searched in time slice.



5.5.4 Image Snapshot

In the image display work zone, title bar  is the button for image snapshot. Click this button will jump out dialog window “save the image”.



Save image window-title display: title will be at the bottom of the image, format as “date (server time) +name+resolution”

Save image window-file name: default name is “date (server time) +name+resolution” the user can edit the name.

save image window-save type: snapshot image has two save types: BMP(*.bmp , *.BMP) 和 JPEG (*.jpg , *.jpeg)

Save image window- save button: click “save” and check the saved file at this address “C:\Program Files\CSV6\CSV6Client\Snapshot”

Save image window-cancel button: click “cancel” and “save image window” will disappear.

Save image window-advanced option: click “advanced option” to save the image, will pop out “print” and “burn” options.

Save image window-print: in the print options, the user can fill in author and description.

default print format includes : “Camera name”、 “Image actual time”、 “Image print time”、 “User name”、 “User’s note”

save image window-burn option: tick “burn” and system will automatically check the record equipment, if there is no record device, warning window will pop out as "Failed to initialize: did not find the recording equipment available!"

Save image window- close “save image” window: there are three ways to close the window, click the crossing, click “cancel”, and click ESC.

5.5.5 Title display

In the work zone the title will display “camera name”



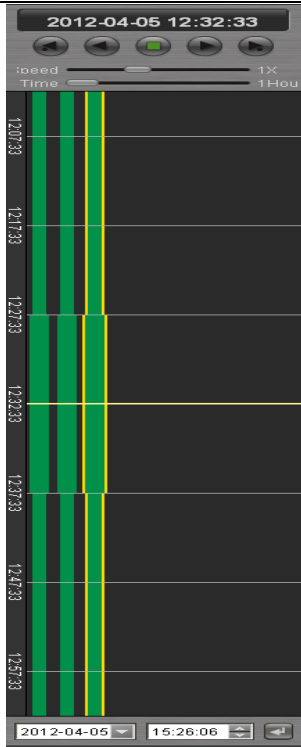
Camera title bar

Camera title name: display format as “camera name”

Double click and drag the title bar. Double click the bar to maximize the window. Drag the bar to put it somewhere else or in other window.

5.6 Time Control

Time control zone is the main control part of the whole record playing part. The record play, rewind, fast motion, slow motion, Single-frame playback and single frame rewind functions are available in the time control zone as:



play : Play record



rewind : Rewind record



previous frame : Play record frame by frame by clicking



next frame : Rewind the record frame by frame by clicking



stop : Stop playing or rewinding

Play speed: record play speed maximum 40 times, slowest 1/10 time.



Zone: time format in record time zone



Current time zone: the highlight yellow line in time zone client interface is the current camera lien.

Choose date: choose needed record date

Choose time: choose needed record time

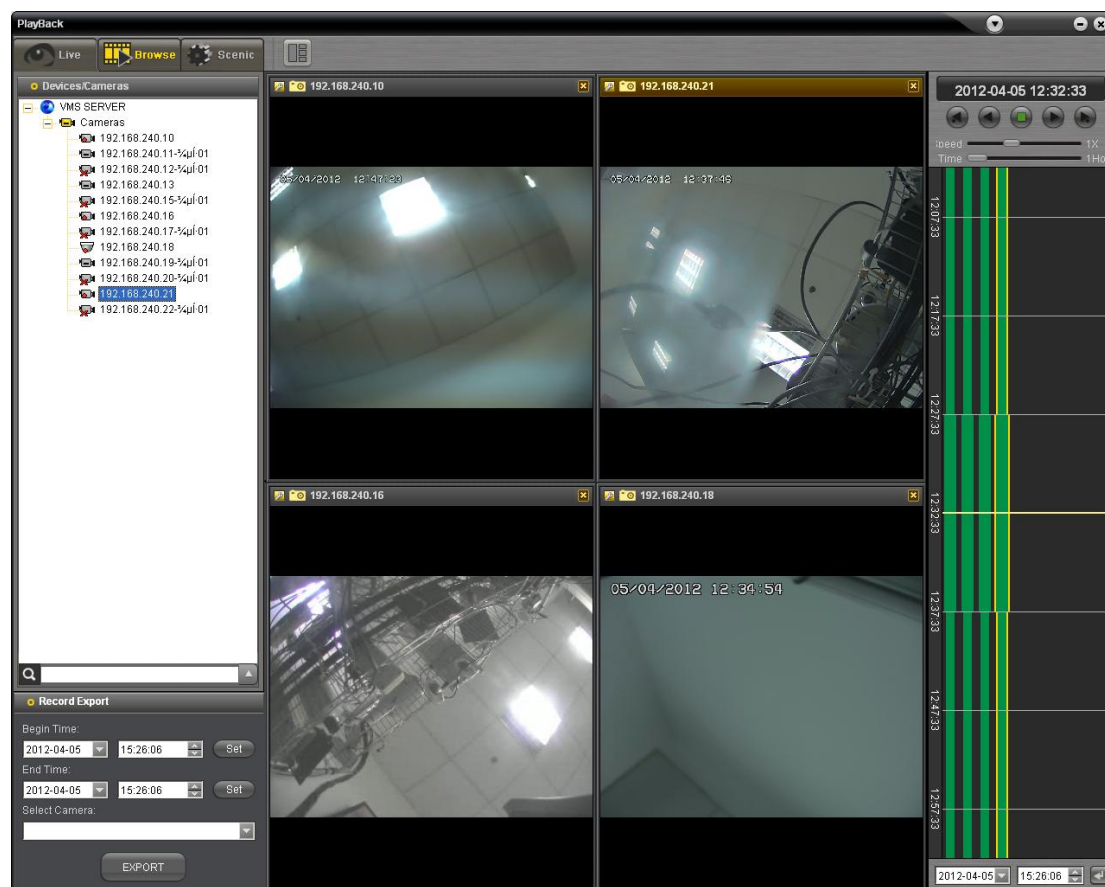
5.6.1 Rewind Control

After chosen window module, the user can select camera from the list, double click or drag it to the video zone.

When there is a green line in the time zone, record date and time can be checked at the right down corner.

Play, rewind, stop, play by frame, rewind by frame, timeline drag and other functions are available in the control zone.

After clicking play or rewind, the view zone will play the chosen record, during playing, the user can use the mouse wheel to zoom-in and out



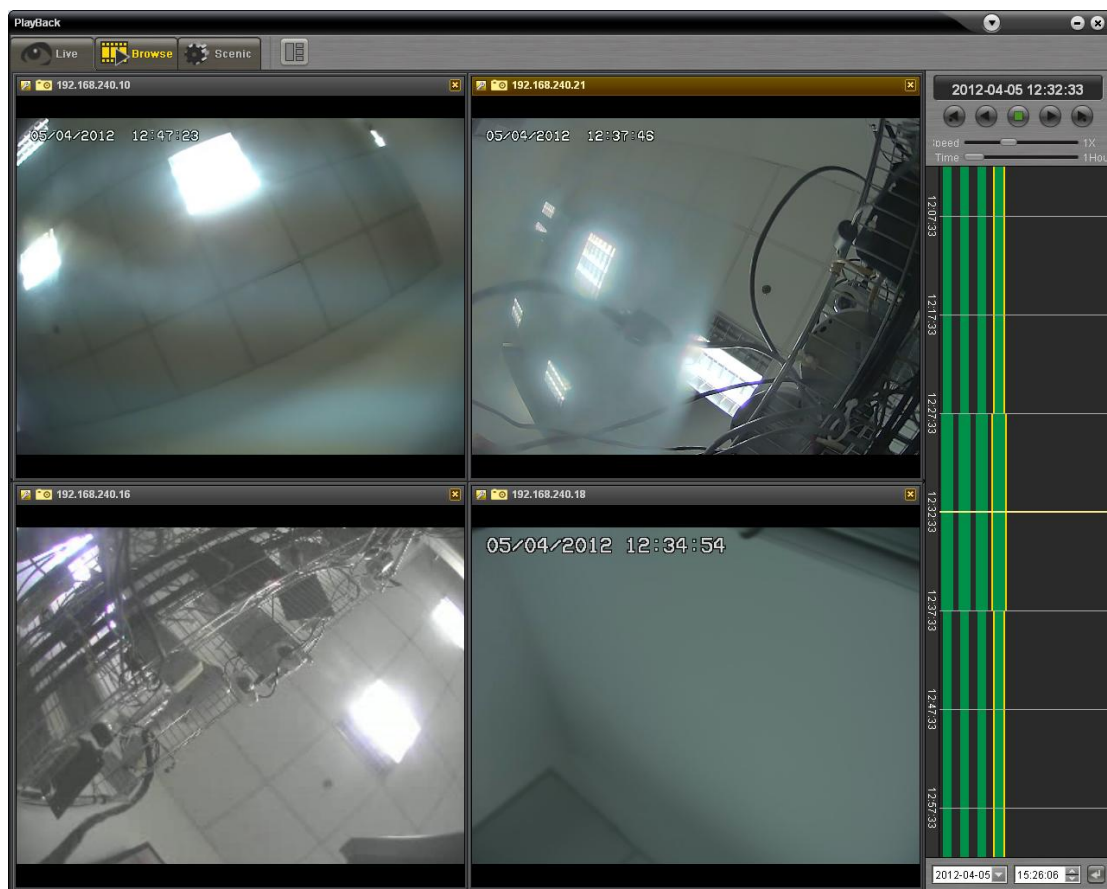
Note:

When there is camera inside the video zone, timeline will display the corresponding

equipment status, like “set record status, time line will be in green, if click the current camera, the camera will be highlighted, the corresponding timeline will have yellow frame to indicate” please set computer configuration to choose playing items.

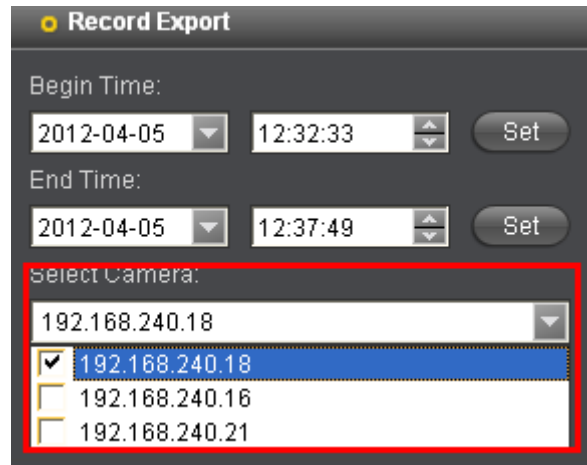
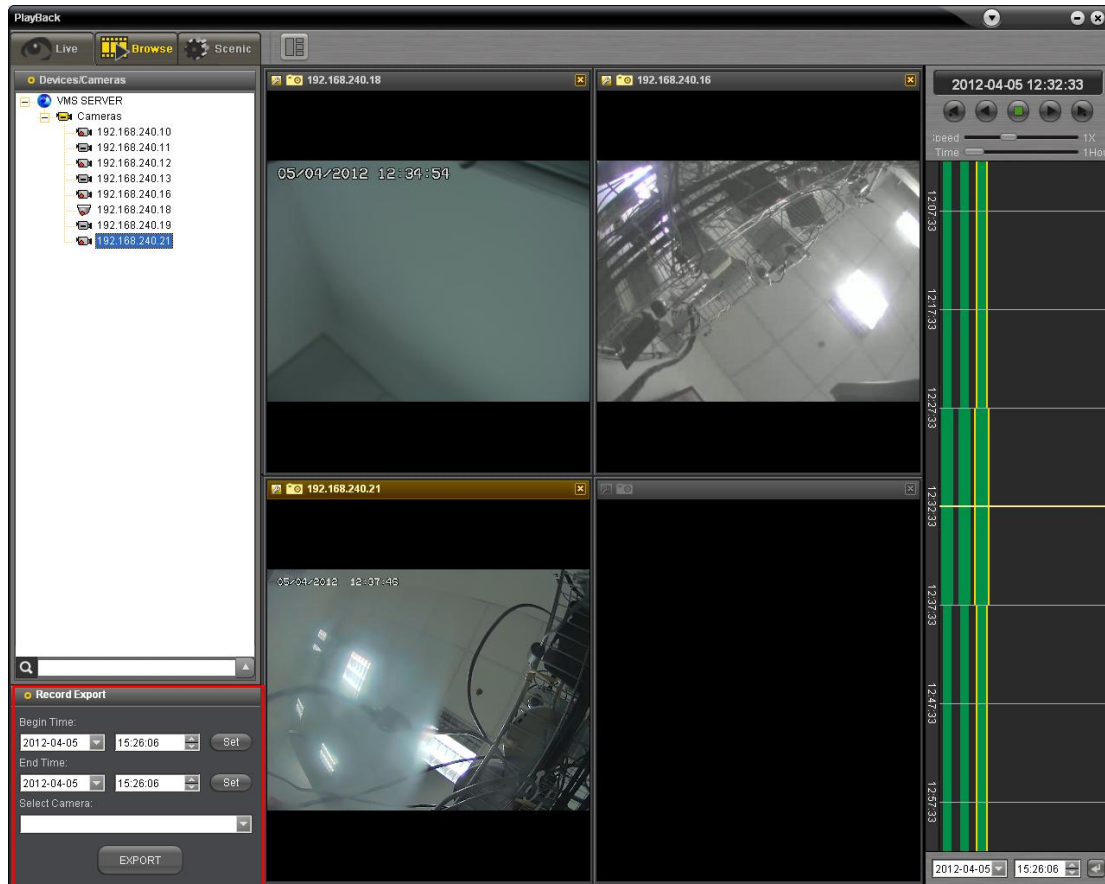
Note

After hide the control zone, the user can set the record back to normal format to ensure the video staying in right format when needed.



5.7 Record Output (NEW)

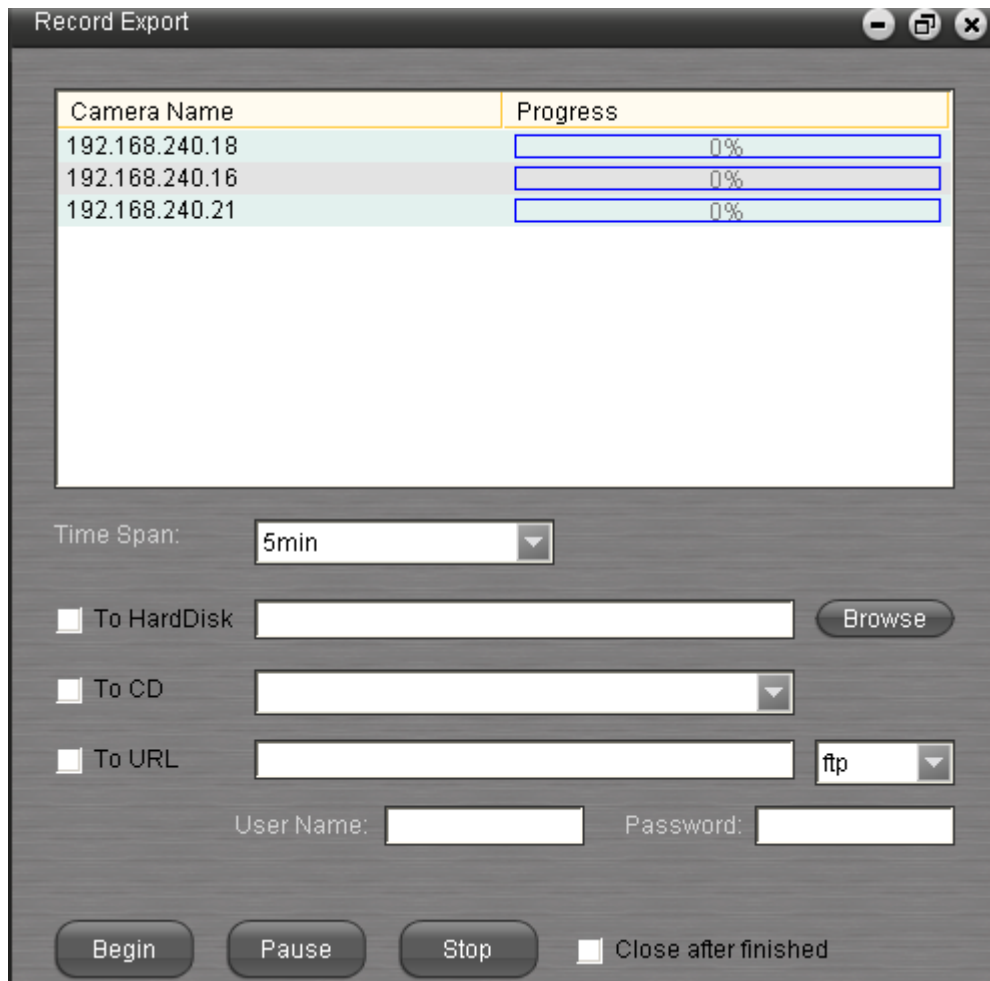
5.7.1 Parameters setting



Setting methods

- Manual setting to output the record's initial and ending time, choose camera.
- In the timeline zone, based on the video content, set initial time and end time, click the setting options to set the time.

5.7.2 Output Setting



Click output button, there are three ways to do so

Download to the hard disk-set local download route.

Burn on CD (currently support the record machine Nero)

Upload to URL, support FTP upload.

Pause

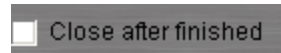
pause the current operating

Continue

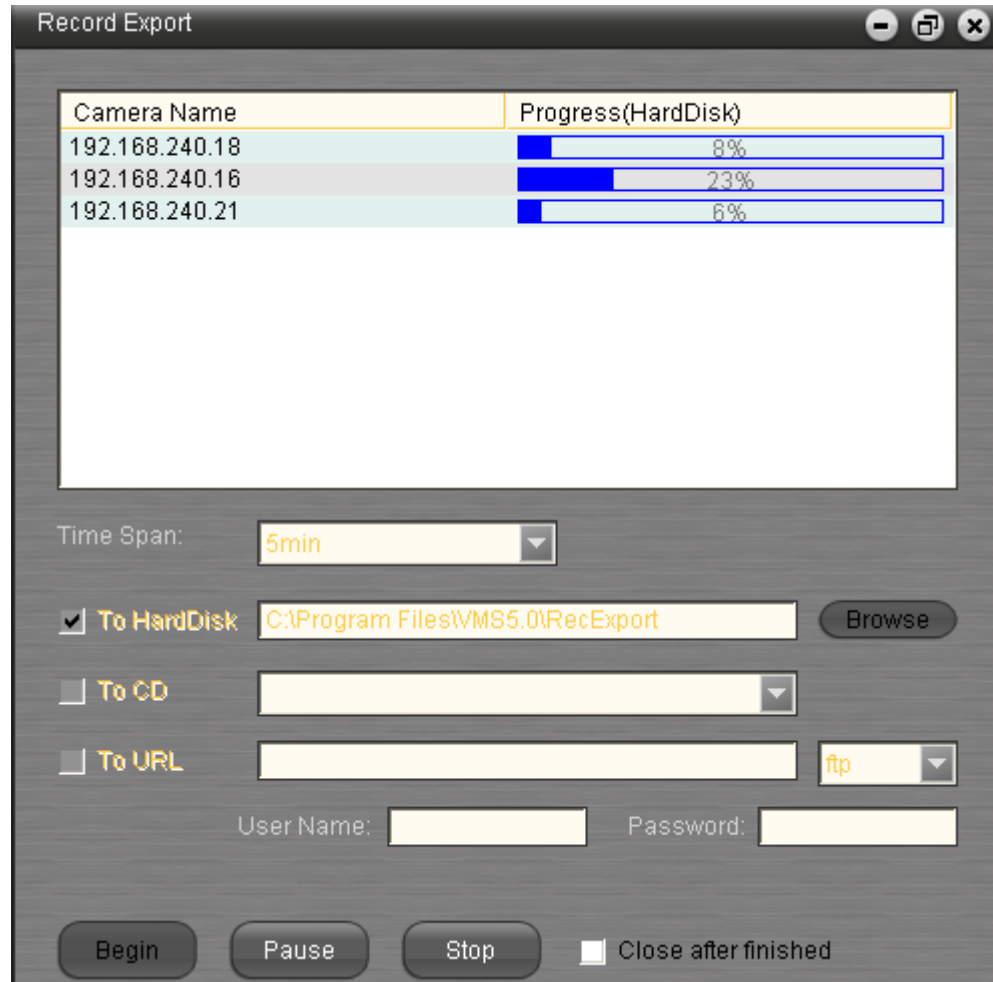
continue the current operating

Stop

end the current operating

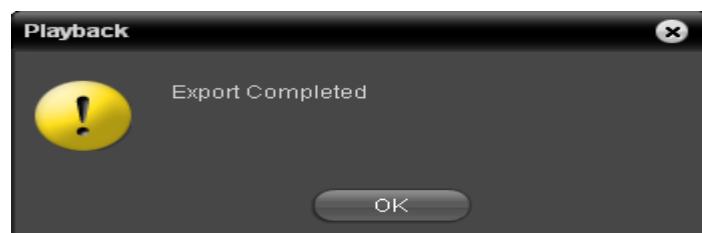


Tick this option, when output ends, system will close record output dialog window.



Output process display

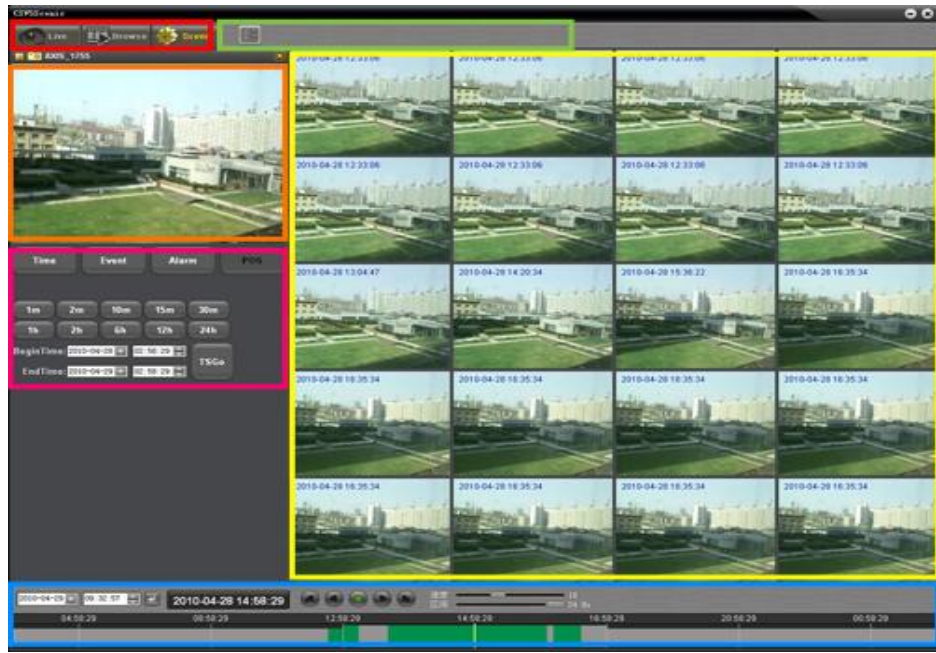
After output, will show this window



About output files playing, check chapter 8

Chapter 6 Video Search

Video search interface



The screenshot shows a video search interface with a grid of camera feeds. A control panel on the left includes buttons for 'Time', 'Event', 'Alarm', and 'Find', along with search filters like '1m', '2m', '5m', '15m', '30m', '1h', '2h', '6h', '12h', '24h', and 'All'. It also has 'Begin Time' and 'End Time' fields. A legend on the right identifies various interface elements with colored circles:

- 模块切换区 (Module switch zone)
- 窗口模式 (Window mode)
- 录像回放窗口 (Replay window)
- 切片功能区 (Time slice function zone)
- 切片窗口区 (Time slice window zone)
- 时间条控制区 (Time control zone)

Below the legend, the following English labels are provided:

- Module switch
- Window module
- Replay window
- Time slice function zone
- Time slice window zone
- Time control zone

6.1 Module Switch

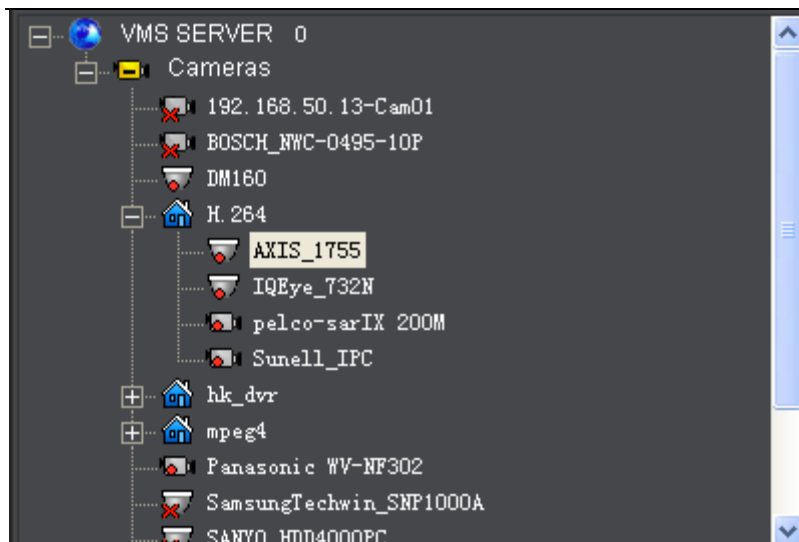
Check chapter 4.1

6.2 Window Module

Change camera window and slice function, after mouse click, slice function will switch into camera equipment list. Choose the equipment from the list, double click, and the equipment will display at the video viewing zone.



Camera list



6.3 Replay Window

Record view zone, after selecting equipment, the system will display the image, if not, the image will be black



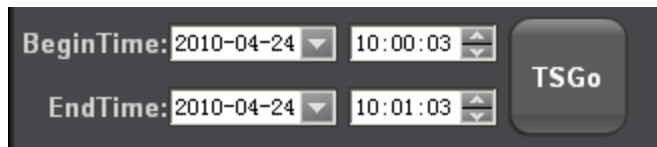
6.4 Camera Toolbox

Check chapter 5.5

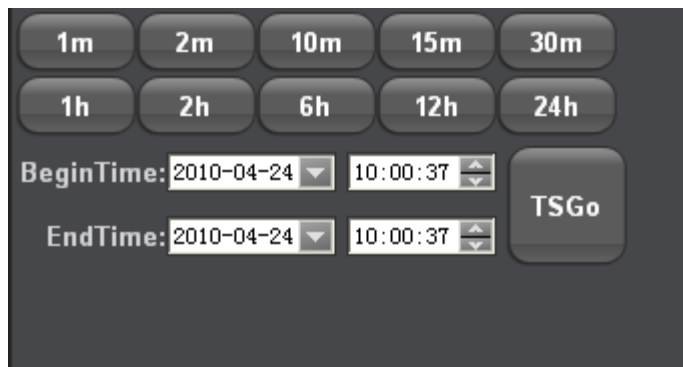
6.5 Function Zone

6.5.1 Time slice

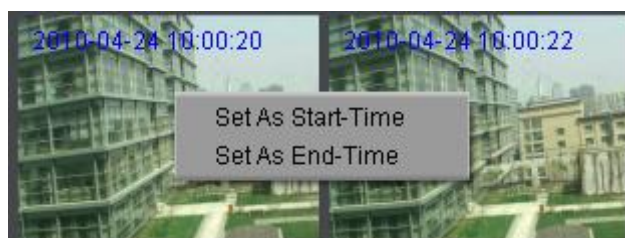
Choose time zone to search by time slice. This section of record will display 20 images as search parameters. Mainly used for locating lost and moved items in the area.



When the system finds a picture scene unusual, double-click the picture, and jump to the image of current time, the user can use a fixed time buttons (1-24 minutes) for a more detailed search.



Also can set the scene image as initial time by right click, and choose to stop scene image in order to search by time slice.



6.5.2 Event search

Event and sub button: display all events at the current time, press the button, there will be


a sub button , click to display bookmark information at the bottom of the time

control zone's green timeline.  Delete all events and alarms.

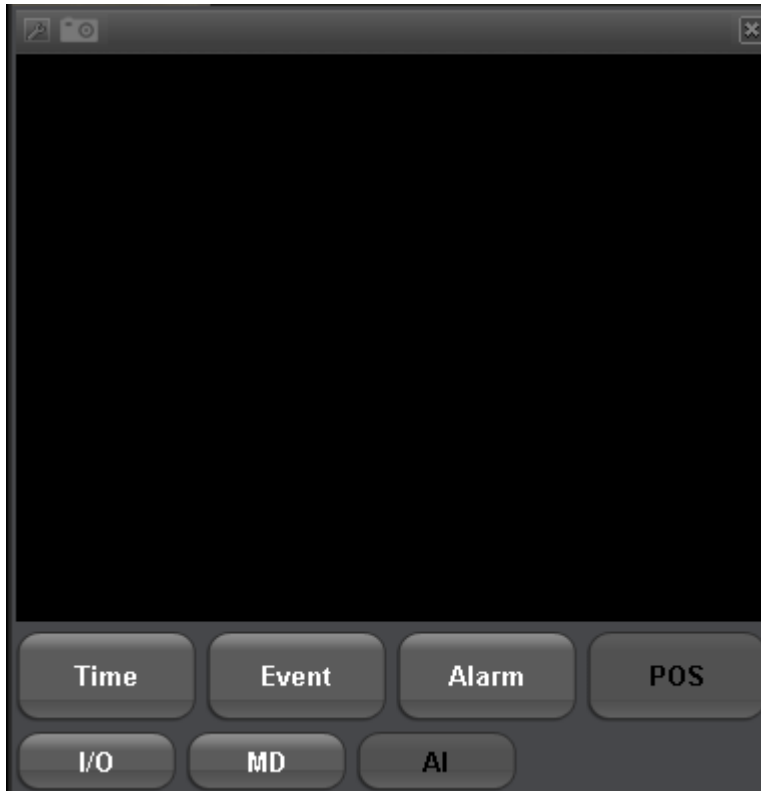


6.5.3 Alarm search

Alarm and sub button: display the current time in the time bar, all I/O, motion detects

information. Click sub button  to display IO alarm information, 

display motion detect information



In the timeline, I/O, MD, bookmark will have different color:

Bookmark : Light blue vertical line in timeline

I/O : Red vertical line in timeline

MD : Purple vertical line in timeline

AI : require smart analyze function support

6.5.4 POS data

Display POS related information (require POS connection and smart storage for function)



6.6 Time Control Zone

Time control zone is the main control part of the whole record playing part. The record play, rewind, fast motion, slow motion, Single-frame playback and single frame rewind functions are available in the time control zone as:



play : Play record



rewind : Rewind record



next frame : Play record frame by frame by clicking



previous frame : Rewind the record frame by frame by clicking



stop : Stop playing or rewinding

Play speed: record play speed maximum 40 times, slowest 1/10 time.



Zone: time format in record time zone



Current time zone: the highlight yellow line in time zone client interface is the current camera lien.

Choose date: choose needed record date

Choose time: choose needed record time

6.6.1 Rewind control

After chosen window module, the user can select camera from the list, double click or drag it to the video zone.

When there is a green line in the time zone, record date and time can be checked at the right down corner.

Play, rewind, stop, play by frame, rewind by frame, timeline drag and other functions are available in the control zone.

After clicking play or rewind, the view zone will play the chosen record, during playing, the user can use the mouse wheel to zoom-in and out

Chapter 7 Configuration Tool

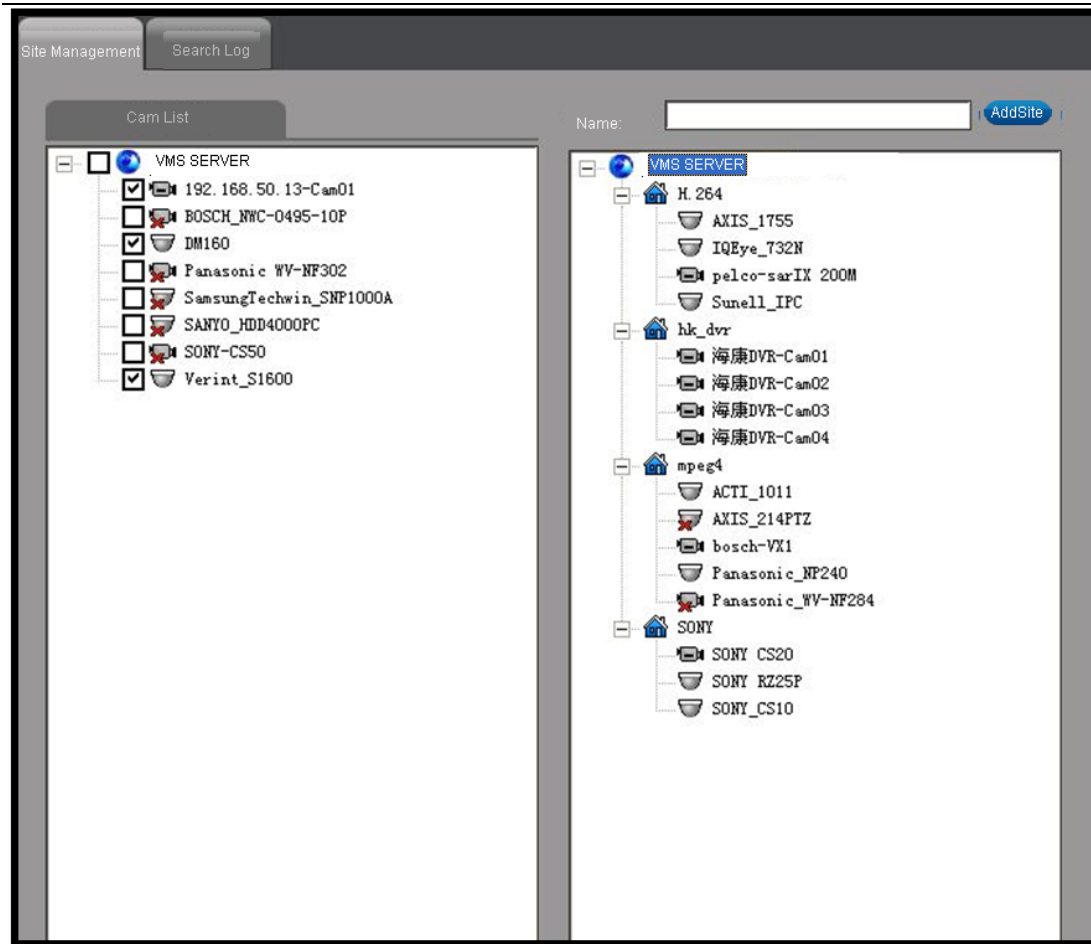
Log on system check chapter3

7.1 Device Parameter

Device sub module has the following function zones:

7.1.1 Site Management

In this interface, the user can manage the site, create new site, add camera to site, delete camera, edit name, delete site.





camera and server status:

CAMERA WITH RED SPOT INDICATES RECORDING “” “”

CAMERA WITH RED CROSSING INDICATES OFFLINE “” “”

Camera online status “”

PTZ online status “”

Sublevel server with red cross indicates offline 

Add camera group

Select server icon will activate add button, key in new site name and click add to save.

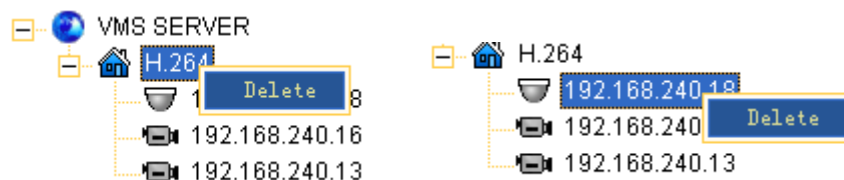
Every site's equipments can move among each other.

Note

- Offline equipments cannot be dragged to the site. Same equipment can belongs to only one site.
- Drag camera without tick, move single camera, drag ticked camera, move all ticked camera

Delete camera

Right click the site or camera to delete the site or equipments in this site.

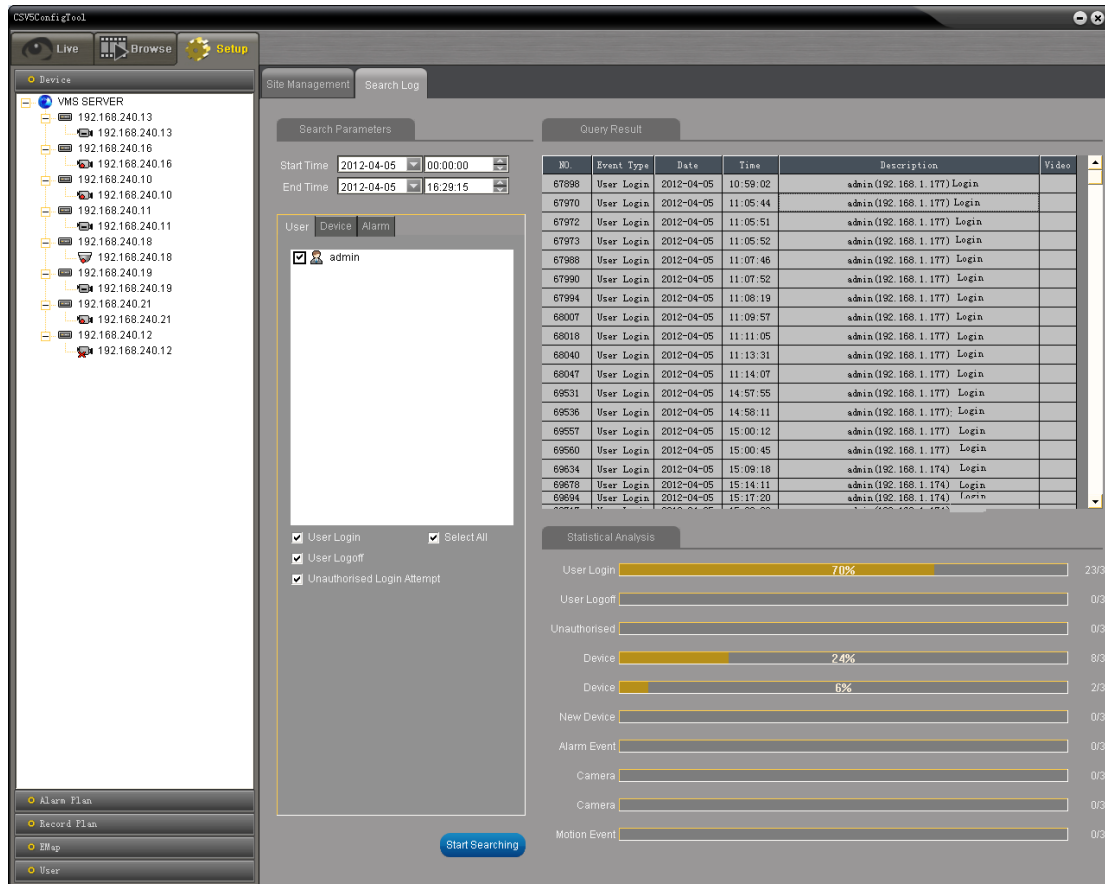


Delete cameras in the server

Choose offline equipments in the device list, click “delete”. To delete online equipments, the user has to log off the devices first, after the device’s status indicates offline, it can be deleted.

Note: after equipment deleted, related information and recording cannot be searched.

7.1.2 Diary search



The screenshot displays the CSVision VMS SERVER interface. On the left, a tree view shows the VMS SERVER structure with multiple IP addresses (192.168.240.10 to 192.168.240.12). The main area is divided into search parameters and search results.

Search Parameters:

- Start Time: 2012-04-05 00:00:00
- End Time: 2012-04-05 16:28:15
- User: admin
- Device: (empty)
- Alarm: (empty)
- Selected: User Login, User Logoff, Unauthorised Login Attempt

Query Result Table:

NO	Event Type	Date	Time	Description	Video
67996	User Login	2012-04-05	10:59:02	admin(192.168.1.177) Login	
67970	User Login	2012-04-05	11:05:44	admin(192.168.1.177) Login	
67972	User Login	2012-04-05	11:05:51	admin(192.168.1.177) Login	
67973	User Login	2012-04-05	11:05:52	admin(192.168.1.177) Login	
67988	User Login	2012-04-05	11:07:46	admin(192.168.1.177) Login	
67990	User Login	2012-04-05	11:07:52	admin(192.168.1.177) Login	
67994	User Login	2012-04-05	11:08:19	admin(192.168.1.177) Login	
68007	User Login	2012-04-05	11:09:57	admin(192.168.1.177) Login	
68018	User Login	2012-04-05	11:11:05	admin(192.168.1.177) Login	
68040	User Login	2012-04-05	11:13:31	admin(192.168.1.177) Login	
68047	User Login	2012-04-05	11:14:07	admin(192.168.1.177) Login	
68531	User Login	2012-04-05	14:57:55	admin(192.168.1.177) Login	
69536	User Login	2012-04-05	14:58:11	admin(192.168.1.177) Login	
69557	User Login	2012-04-05	15:00:12	admin(192.168.1.177) Login	
69560	User Login	2012-04-05	15:00:45	admin(192.168.1.177) Login	
69634	User Login	2012-04-05	15:09:18	admin(192.168.1.174) Login	
69676	User Login	2012-04-05	15:14:11	admin(192.168.1.174) Login	
69694	User Login	2012-04-05	15:17:20	admin(192.168.1.174) Login	

Statistical Analysis:

- User Login: 70% (23/33)
- User Logoff: 0%
- Unauthorised: 0%
- Device: 2.4% (8/33)
- Device: 6% (2/33)
- New Device: 0%
- Alarm Event: 0%
- Camera: 0%
- Camera: 0%
- Motion Event: 0%

User: three diaries can be searched and analyzed, as user log-in, user log-out, and illegal user.

Equipment: the user can check and analyze three kinds of diaries, lost equipment, available equipment, and new equipment.

Alarm: can search and analyze camera status, motion detect, IO status.

Before search, please set the search time zone.

Click start to search after set searching time and condition.

Diary information and statistic analyze will display in information list zone on right.

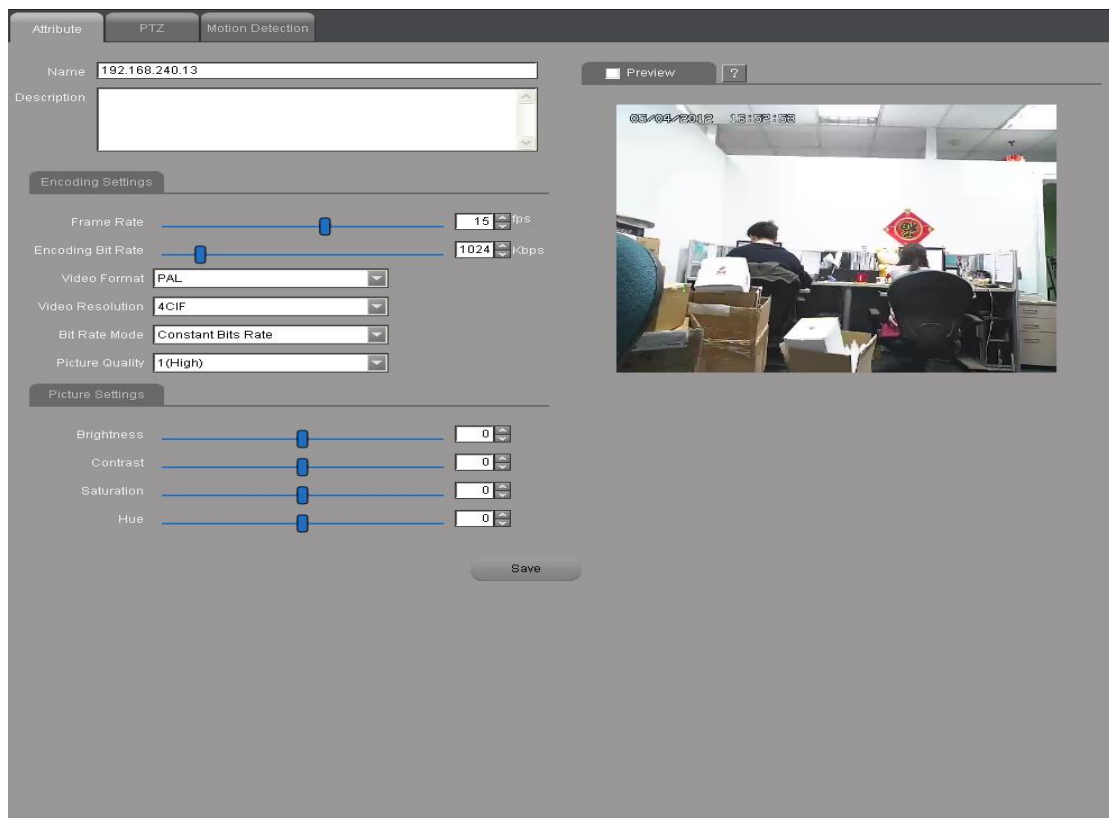
Diary can provide fast search, user, equipment, alarm, all events and records on the server.

So the user can manage the server at a short time.

Note:

- in the search condition- start time and end time cannot reverse
- If the user doesn't select any camera for search, system will collect information from all camera devices

7.1.3 Equipment properties



Camera equipment, property configuration option

Edit equipment name

Edit equipment description

Camera setting frame change the use can change the frame rate in range of 1-25

camera setting Bit rate adjustment can be adjusted between 32-8192 Kbps,

(Recommended: CIF 384~512kbps ; 2CIF 512~768kbps ; 4CIF 2048~4096kbps)

Camera device adjustment PAL / NTSC Standard adjustment (domestic transmission is generally PAL system)

Camera device resolution adjusts variety of resolution to choose from QCIF / CIF / 2CIF / 4CIF / 1.0 - 5.0 MEGA.

Stream adjustment of the cameras device supports constant bit rate; constant frame rate; variable bit-rate; automatically adjust the constant bit rate (Recommended)

The cameras device quality adjust the user can adjust the cameras conditions and circumstances at the scene.

Cameras device brightness adjustment to adjust the device brightness

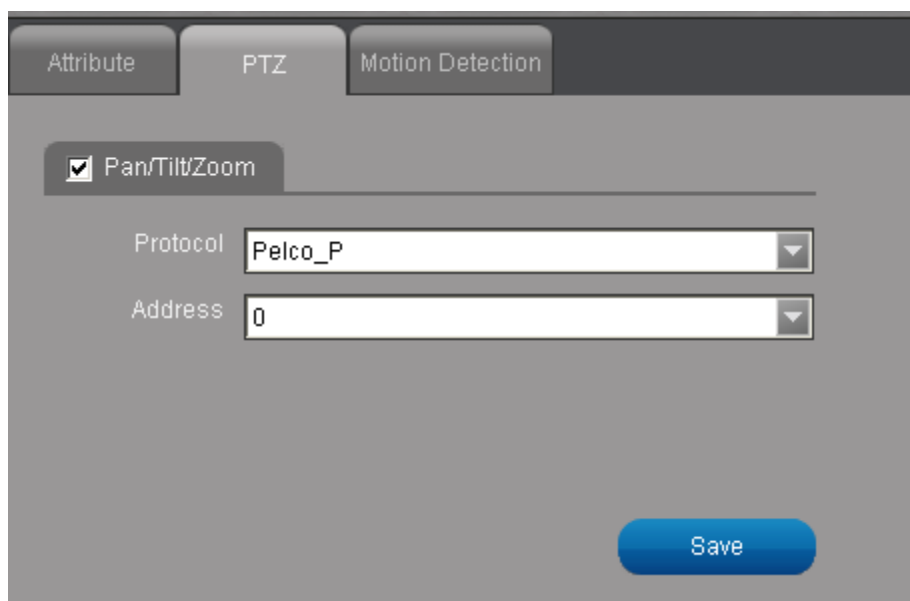
Cameras device contrast adjustment device contrast

Saturation of the cameras device to adjust the adjustment device saturation

The cameras device color adjustment to adjust the color

Adjustment of any parameter settings, you must click on the save button to save the changes the current operation.

7.1.4 PTZ



The screenshot shows a software interface for configuring PTZ settings. At the top, there are three tabs: 'Attribute', 'PTZ', and 'Motion Detection'. The 'PTZ' tab is selected. Below the tabs, there is a checked checkbox labeled 'Pan/Tilt/Zoom'. Underneath, there are two dropdown menus: 'Protocol' set to 'Pelco_P' and 'Address' set to '0'. A blue 'Save' button is located at the bottom right of the configuration area.

PTZ control option

The user can adjust PTZ setting through csv6.0 when the equipment is connected

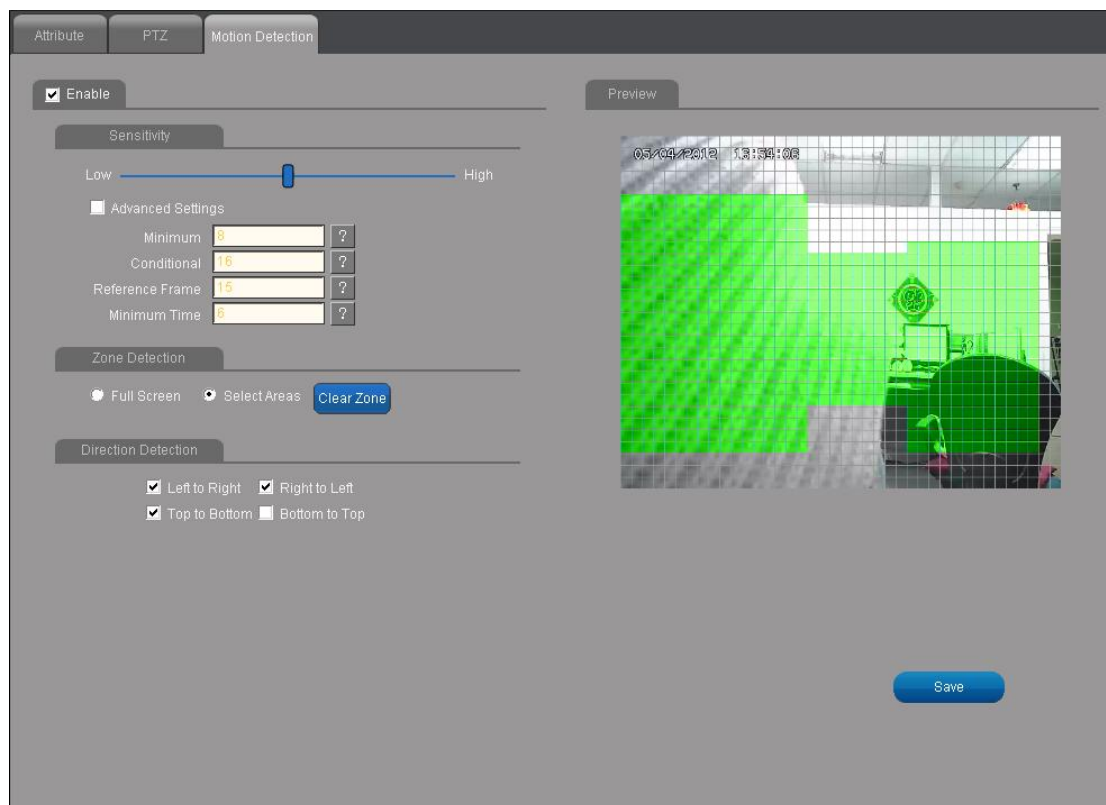
PTZ protocol – it must match with the device firmware protocol. Csv 6.0 supports a variety of mainstream protocols.

The address bits - it must match with the device firmware protocol. (1-255 optional)

After setting, click the Save button to save the settings

Note: before the parameter modification, “save” is in gray lock state, modify the parameters will change it as highlighted in blue state

7.1.5 Motion detect



Platform software can achieve dividing a monitoring window into small ones, the user can select random area for detecting area, and set the sensitivity in this detect area. Hence when there is a moving object inside the view, the alarm will be triggered.

[Permit]: in order to turn on auto-detect function, the user has to tick the [permit] in the module.

Preview window: left click and drag to select needed monitoring green motion detect picture area

Sensitivity setting: default settings are three. When the user wishes to use the default setting, [advanced setting] has to be unpicked.

Advanced setting: set by the user. The user can configure motion detect condition and frame condition as needed.

Mask status:

Disabled: Click the disable feature, the system will monitor all the grid nodes in region.

Allow: user-defined green monitor regional is activated only after the user activate the allow function.

Remove: click remove to erase the green monitor zone

Moving direction A. left to right

B. right to left

C. top to bottom

D. bottom to top

Motion detect moving condition trigger the detect direction

Save any parameters' modification have to be saved before activating

Note

- in the preview window, the user needs to avoid to choose complicated area when plan motion detect zone, otherwise some information might be lost
- In the preview window, when select motions detect area, if there are overlapping zone of the green area, then repeated part will be unselected.
- Motion detect function needs to configure alarm plan in the tool "Alarm plan" in order to achieve the alarm connection function.

7.1.6 Preview function

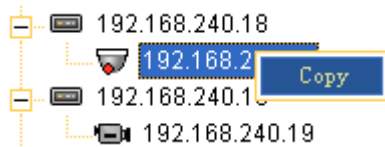
Tick [preview] to turn on the preview function. Once this function activated, the user can

change setting parameters as wish.

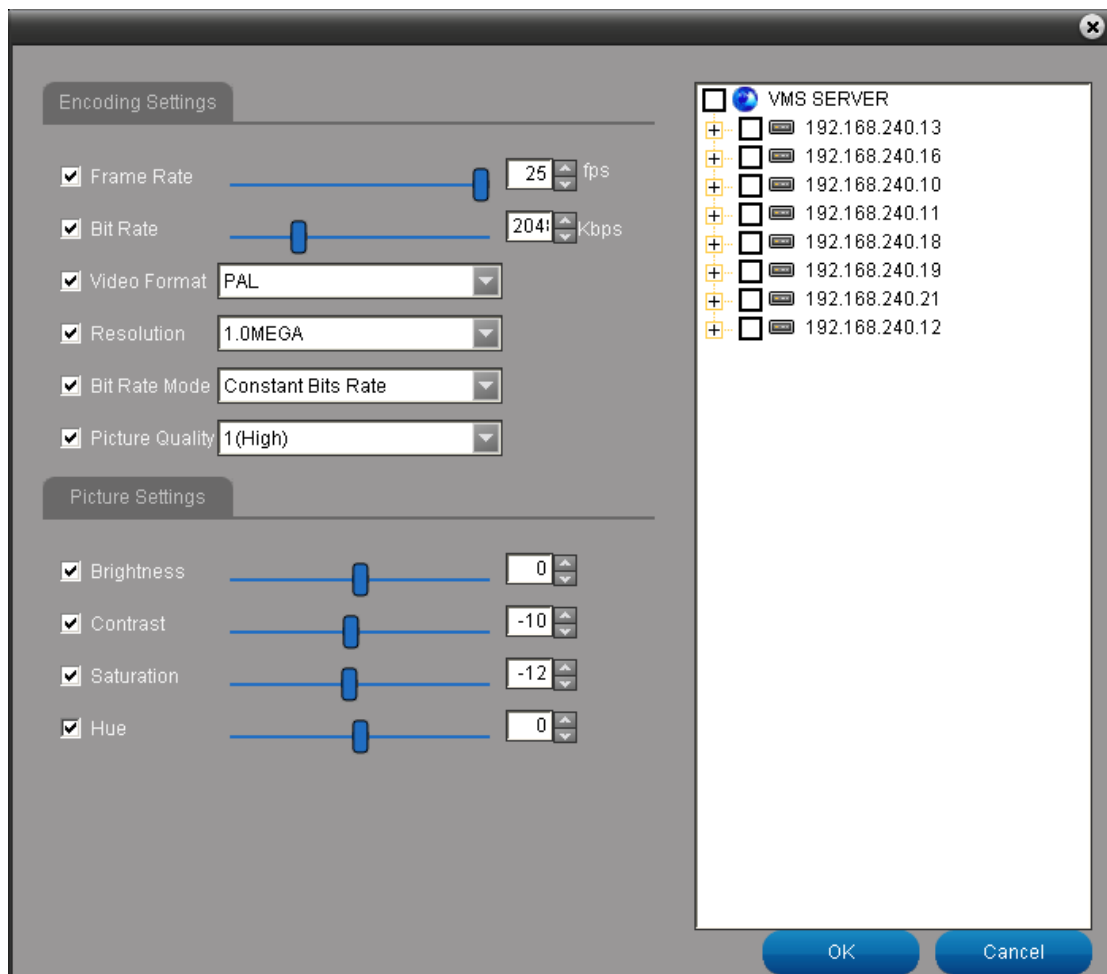
Note: preview function is only for quick modify and checking, the changes will not be saved

(save key is invalid in gray)

7.1.7 Parameters copy



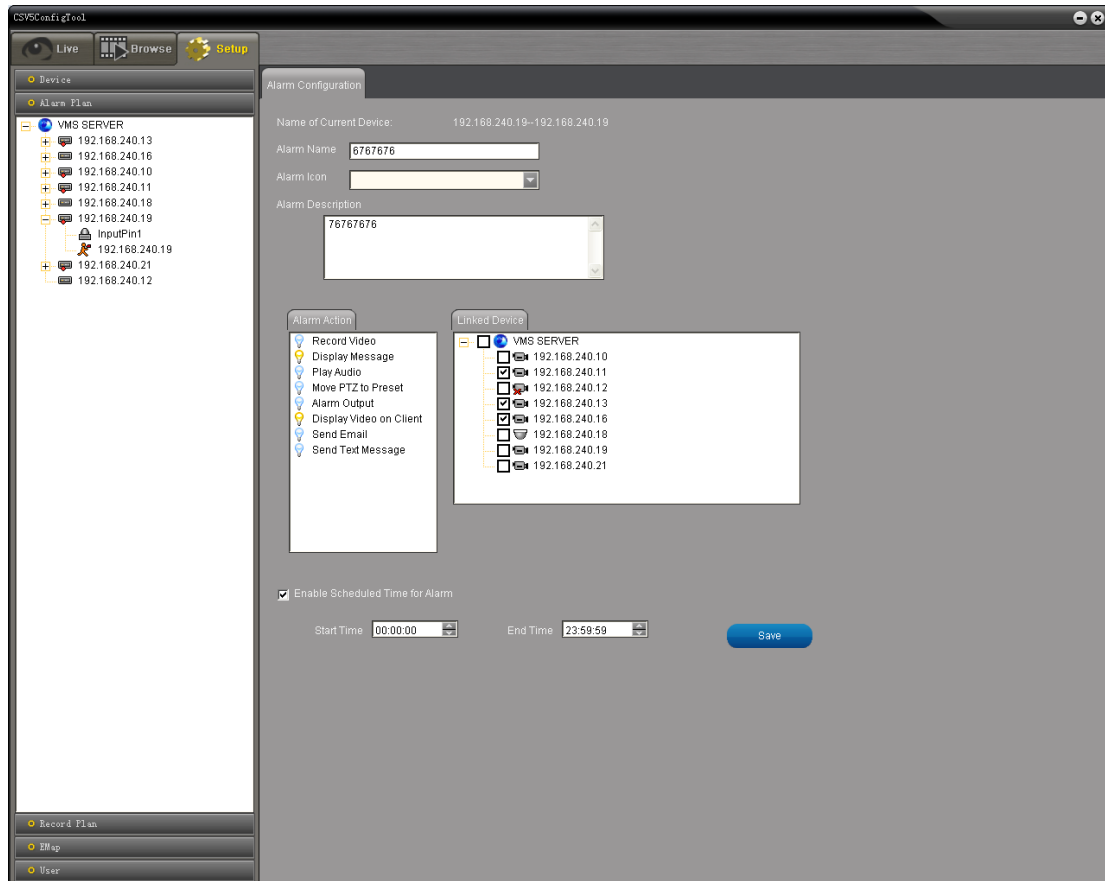
Select any cameras in the device list, and right click will pop-up window to confirm copy.



Select the current Video and cameras parameters as a template, other devices in the server list as objects, copy the template camera parameters to other devices in the server.

The copy can be to single device to multiple ones, also it's ok to copy to all devices in the server at one time.



7.2 Alarm Plan



Platform software can do camera image motion detect and device IO alarm, and coordinate different kinds of connected equipment synchronizing

Provide all kinds of network alarm solution to alert the user the events and acknowledge the user the current situation for further decision and quick react.

7.2.1 Network alarm setting

Click [Alarm plan] any camera in the camera list.  Icon - motion detection.  Icon - switch alarm input

The user can set device name, alarm information, alarm time zone and alarm type in the configuration window at right.

Network type sub options (the user has to click [save] to use the new parameters)

Start recording, the user can select and connect all needed images to record when the alarm is triggered.

Client information notification, all users Log on the server will receive pop-out information window when the alarm is triggered.

Client voice alarm, activate this function will have audible alarm when an alarm is triggered.

Go to PTZ preset site., after alarm being triggered, the system will put PTZ camera to the specified alarm position automatically.



IO output., when the current device is connected and other equipment's IO, enable the alarm and engine room with flash light as warning.

Client-side image output, after an alarm is triggered, the linkage of one or more of the footage will pop-up at the same time

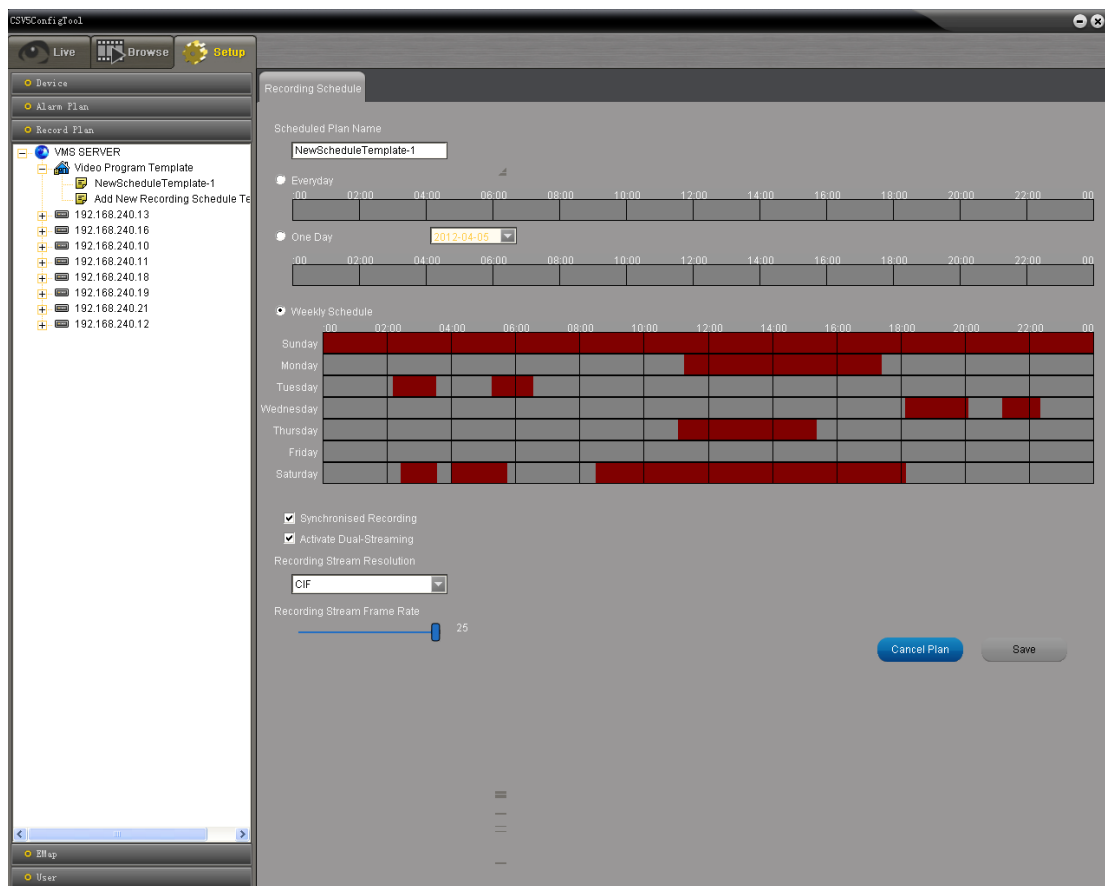
Email notification, system will send email to the specified mailbox, as well as to Police intelligence messages

SMS notification, send text messages to set mobile number.

Note

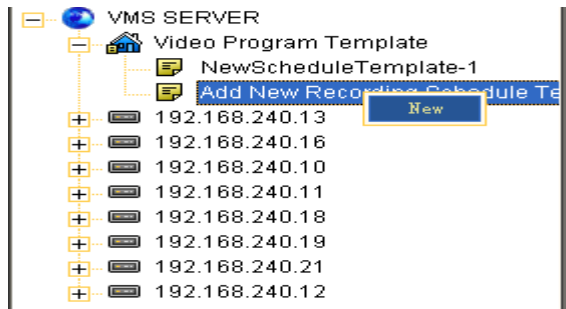
- All network sub item has to have the same configuration.
- Motion Detection and IO amount after alarm will change into  and 

7.3 Record Plan



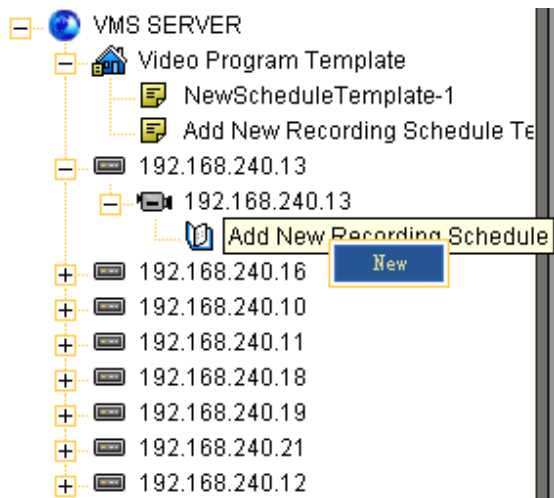
Video plans is to set up each camera as an unit, configure each camera for recording, so the user can design different recording plan according to different camera's angle. It can most effectively use the resource. System administrators will set the video plan

7.3.1 Recording plan template



Add a new video plan template to server, in order to facilitate a large number of similar cameras device to directly apply the template parameters of the video program, direct reuse.

7.3.2 Add video plan




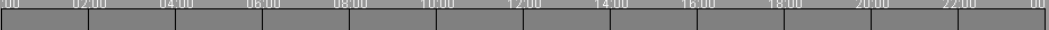
Click to open the list of any cameras, mouse double-click to add a new program.

At the right side of the window, the user can set the current record plan's detail parameters.

Recording Schedule

Scheduled Plan Name

Everyday
 :00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 :00


One Day
 :00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 :00


Weekly Schedule
 :00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 :00

Sunday																				
Monday																				
Tuesday																				
Wednesday																				
Thursday																				
Friday																				
Saturday																				

Synchronised Recording
 Activate Dual-Streaming

Recording Stream Resolution

Recording Stream Frame Rate
 25

- Select the recording duration, every day; once a day at certain time, once a week
- Left click and drag the time bar to set the recording duration, selected zone is in red
- Right-click and drag on the red zone to remove the time interval
- In a time line, the user can set up max six video periods
- Tick [simultaneous audio recording] to turn on the front-end equipment's microphone or receiver, recording audio at the same time.
- [video recording and real-time view separate] the dual-stream video to open the check, you can configure the resolution and frame rate of video stream
- [Frame Rate] used to adjust video frame rate

Note:

- After adding the new plan, the user can remove the program only after [save] it first.

- When configure [disposable] video plans, the time interval must not exceed January 17, 2038.
- When configure [disposable] video plans, the time interval must not less than January 1, 1970.
- Dual-stream video. Video resolution depends on the support of the front-end equipment

Right click a record program to open the Extensions Menu

Create new record program for the cameras or remove programs, the user can also set the template of copy parameters for the other cameras.

7.3.3 The dual-stream and synchronous recording

The screenshot shows a 'Recording Schedule' configuration window. It includes a text field for 'Scheduled Plan Name' with the value 'NewSchedule-1'. There are three radio buttons for scheduling: 'Everyday' (selected), 'One Day' (with a date dropdown set to '2012-04-05'), and 'Weekly Schedule'. Each option has a corresponding 24-hour timeline grid. The 'Everyday' grid is filled with red, indicating recording is scheduled for all hours. The 'Weekly Schedule' grid is empty. At the bottom, there are checkboxes for 'Synchronised Recording' and 'Activate Dual-Streaming', both of which are checked. Below these are dropdown menus for 'Recording Stream Resolution' (set to 'CIF') and a slider for 'Recording Stream Frame Rate' (set to 25). 'Cancel Plan' and 'Save' buttons are located at the bottom right.

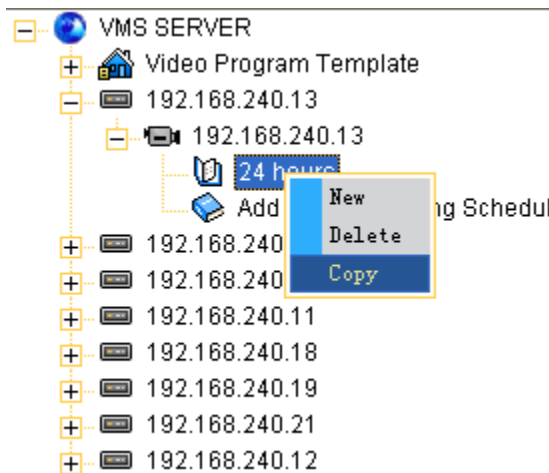
Dual-stream video: If the user selects "video and real-time view separate", then the system will open a second stream to record video. Real-time view will be in the first stream, while video storage and playback being in the second stream. The user can set the second stream recording frame rate and resolution at the interface.

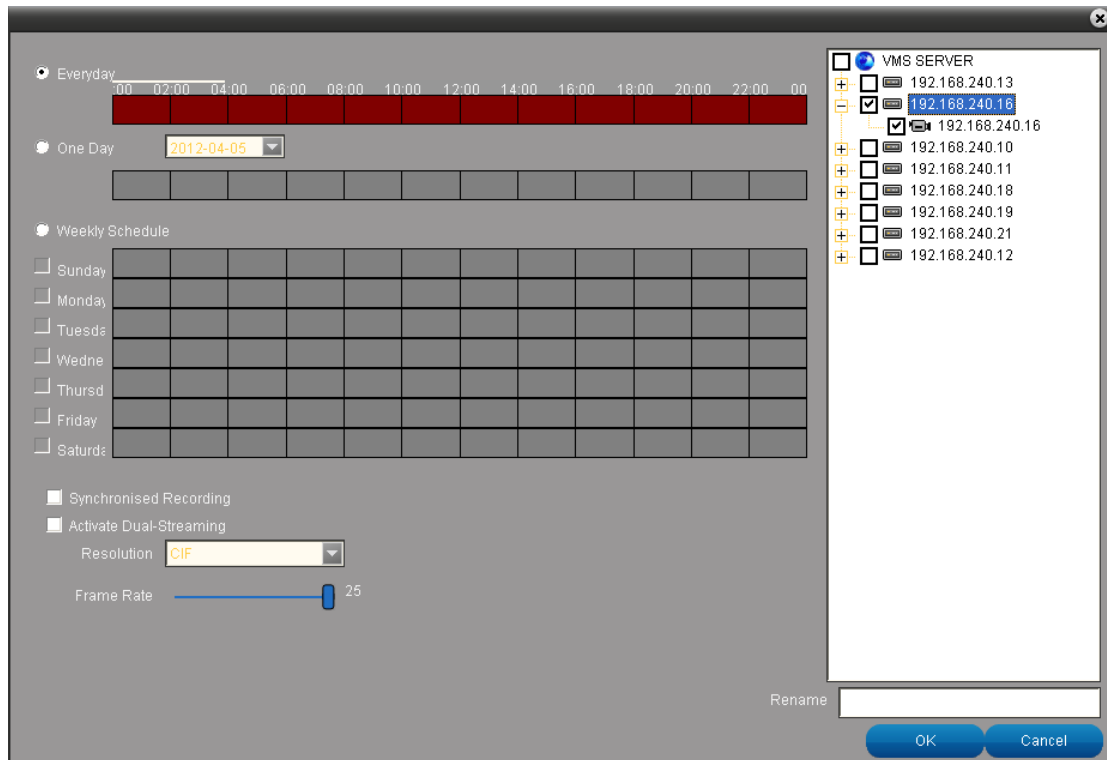
Simultaneous recording: Turn on the microphone or receiver on the front-end equipment to record the audio with the images..

7.3.4 Batch setting record plan

Batch setting video plan can set identical record plan for one or multiply devices.

Unfold the camera record extend bar, choose copy to open and copy record plan's configuration window:



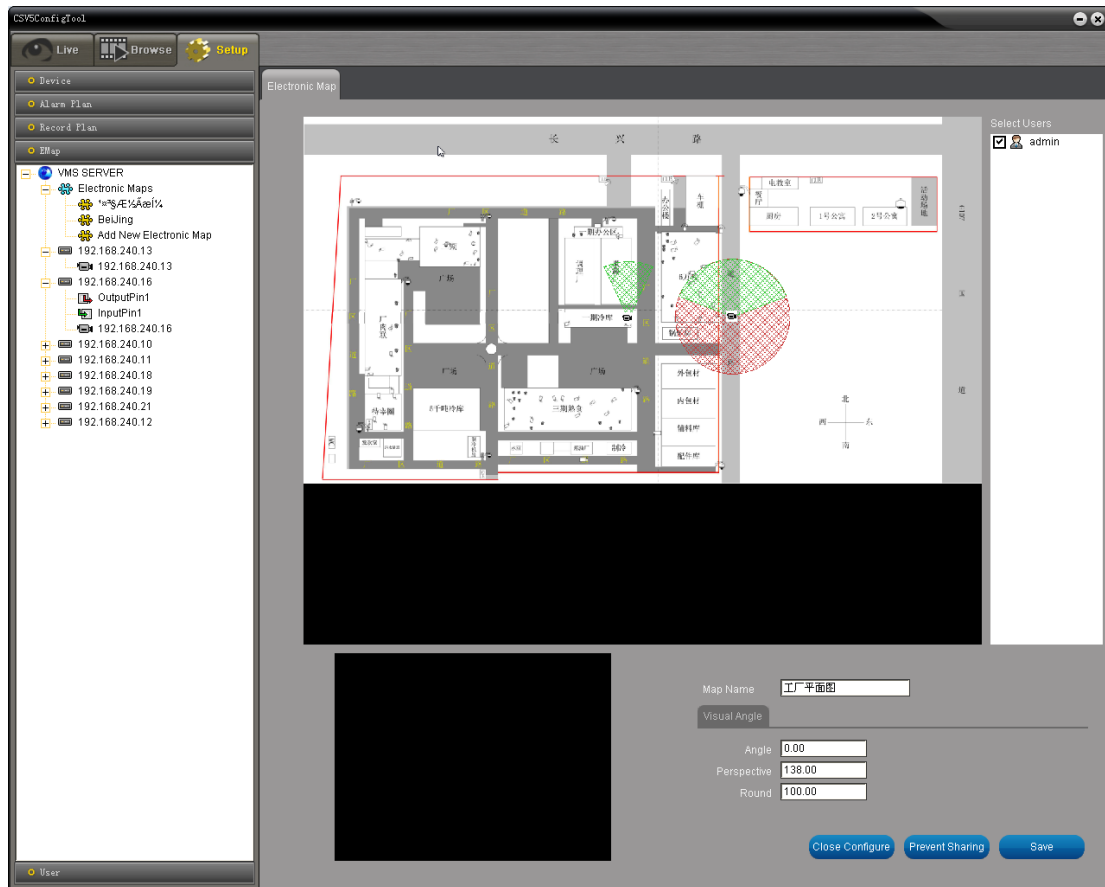


[Rename] rename this video plan

[Copy object list] can tick the equipments which need to do the same video program in the server. The user can tick one device or all the devices within the entire server.

Other operations are consistent with the "Add Video Plan".

7.4 EMap



Network video surveillance system is based on the electronic map and front-end monitor.

The user can easily browse and view the alarm message and cameras' view. Through the creation of electronic maps to enable the use to control the site of monitoring, with the geographic information on the emap, the user can easily find out the corresponding monitoring points.

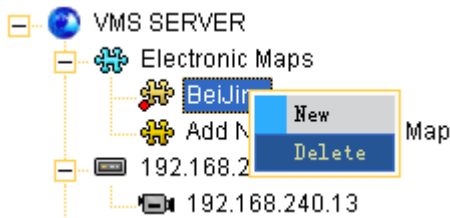
7.4.1 New electronic map



EMap item, right click [my map] to create new electronic map

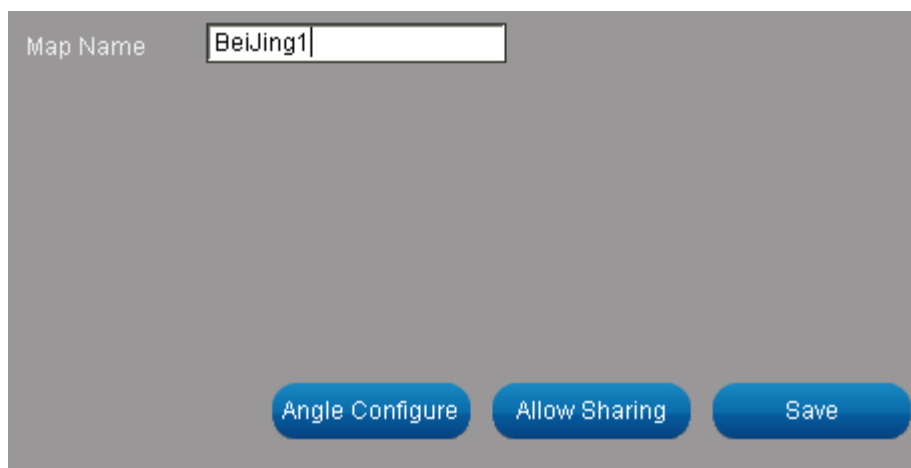


Left double-click [add new maps.] to create new electronic map



Right click on any emap has been established to create new emap

7.4.2 Edit map name



Name the new emap in [Map Name] in the configuration area on the right, and click [save]

to save the setting.

7.4.3 Multi-level emap

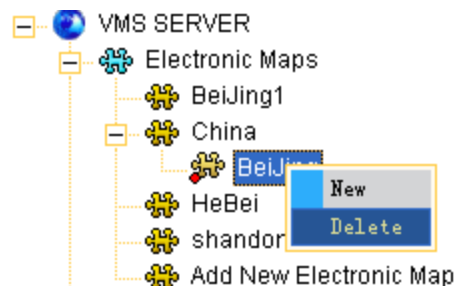


Drag the needed map to upper level emap to complete emap configuration between levels.




The user can establish multi-level emap (for example, province-city-county-village).

7.4.4 delete the e-map



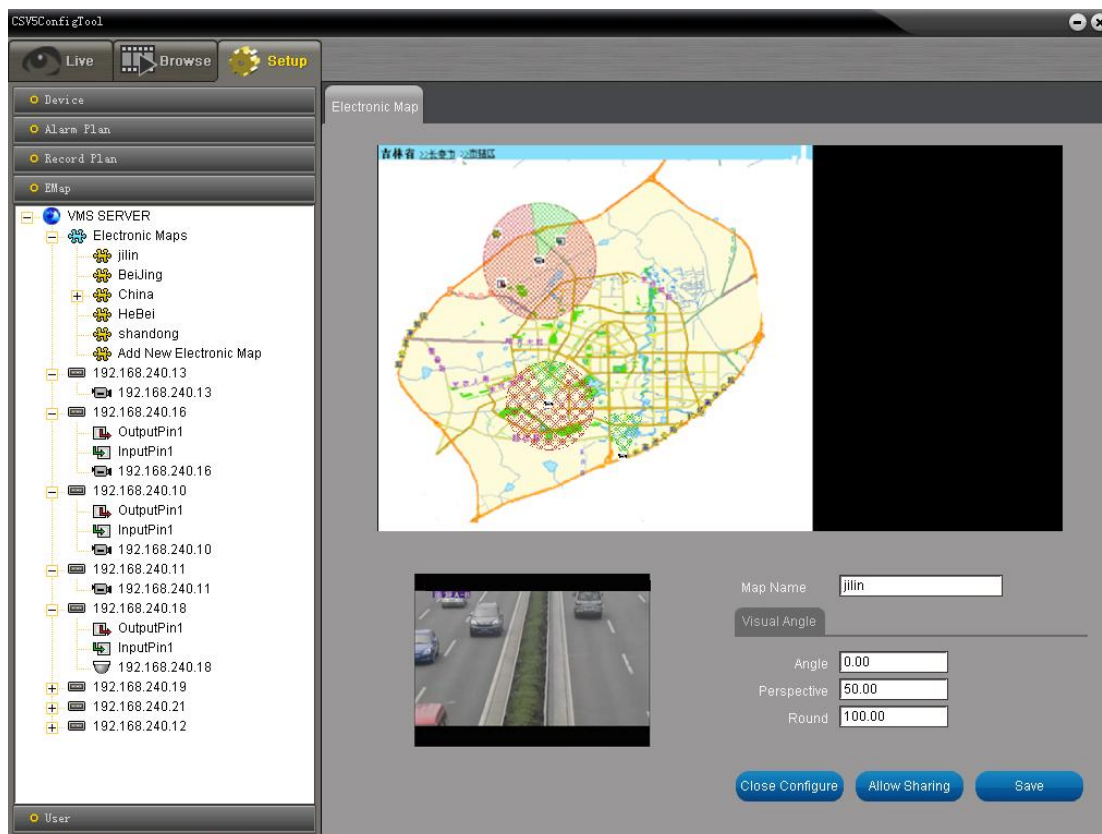
Right-click on the icon which needs to be removed from the list, and delete the emap.

Note

- To delete multi-level emap's sites, the user has to run  operation in the emap window.

- If the emap resolution is too high, the user can use the mouse wheel to zoom-in or out.

7.4.5 Deploy and set up



- Four elements can be set on the map: camera, sub-level map, IO status, digital ports.
- Click the information element on left, drag the icon on the map to set the elements. The advantage of this layout is easy to know the cameras and alarm equipments inside the area.
- Sub-level map's layout and camera set is the same, the user needs to drag the map to a main map to set the previous one a sub-level map of the main map.

- After close the map edit window, double click the camera in the map or sub-level map icon, the user can view images of the cameras on this map.

7.4.6 Map parameters setting



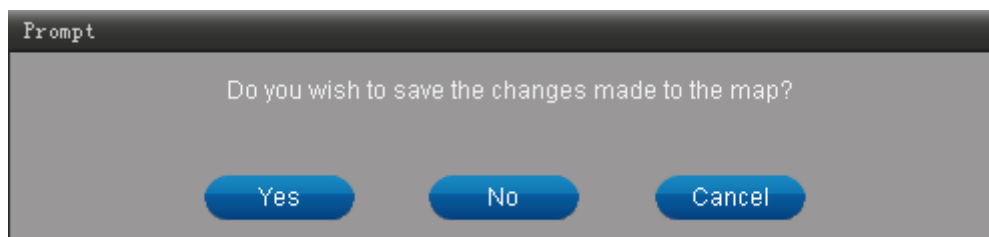
- Click the parameter set to set the surveillance scope area: the starting angle, view angle, the visual radius.
- The mouse can also set the camera angle, the wheel to control the starting angle, left click to set the view angle.

- After the parameter modification, click [return to the map], left click to choose and drag the elements to the map
- Turn on [on / off sharing settings] will fresh out the [share user list]. Checked the corresponding user can share map and usage permission to one and multiply users.
- After modify the user must click [Save] to complete the parameter configuration.

Note:

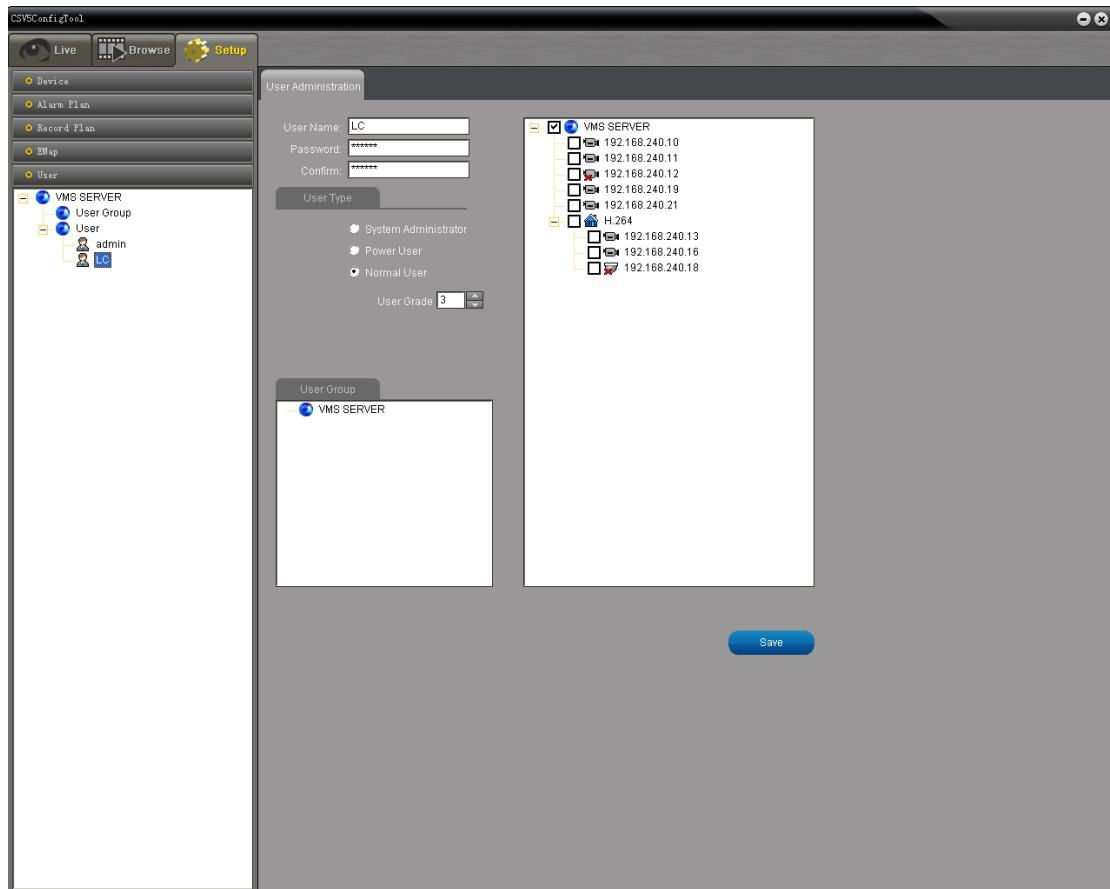
- The red camera covering zone is set by the operator, does not depend on the actual area the camera covers
- When the alarm is triggered, a red circle will flash on the corresponding icon on the electronic map.

System automatically prompts:



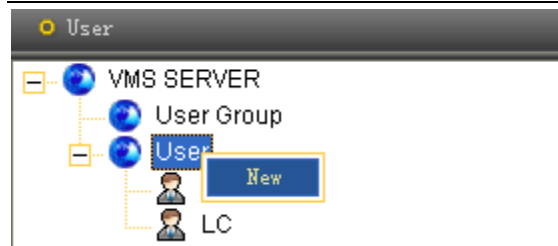
After changing the parameters of the emap, adding devices, a window will pop out asking whether the user wants to save the edited information when the user clicks other emap icons.

7.5 User

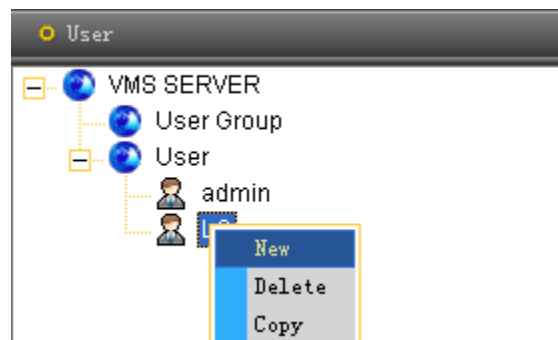


- User management based on multi-server architecture, each level server is responsible for creating and managing the level of users.
- Superior server user can tune the audio and video data of lower-level server, control subordinates server managing equipment
- User permissions set by the administrator of each monitoring system that is responsible for central licensing with permission

7.5.1 Add a new user



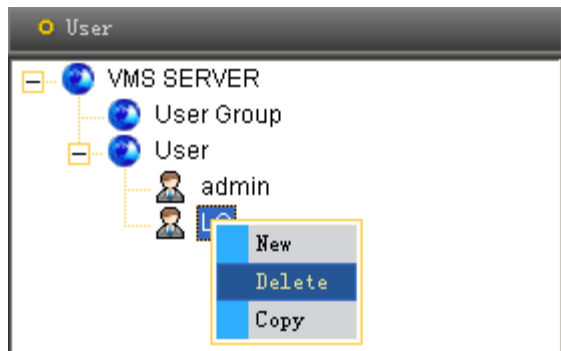
Right click the user group icon to create the new user and save



Right click the user group icon to create the new user and save

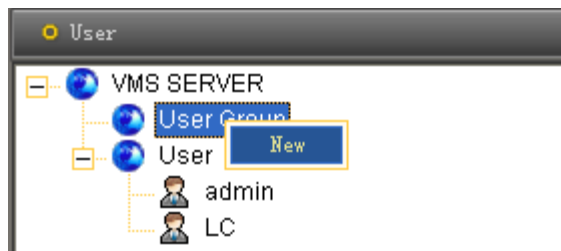
- Click on the user management server node of the tree, enter the user name, password, confirm password, select the type of user and set permissions in the dialog box that appears, and then press "Submit" to create the new user
- The system supports three user types: general users, advanced users and system administrators. Depending on the terms of reference for the average user, appropriate permissions will be set. CSV6.0 version's privilege level will influence the PTZ device control priority.
- Add equipment for the new user: select the camera in the right side of the camera list, and [save]

7.5.2 Delete users

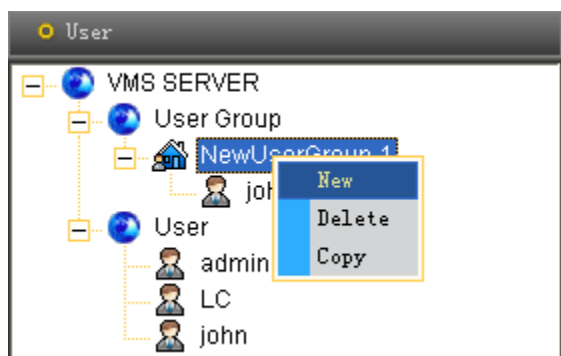


Right click the mouse on any user icon to choose and delete the user, then save.

7.5.3 New User Group

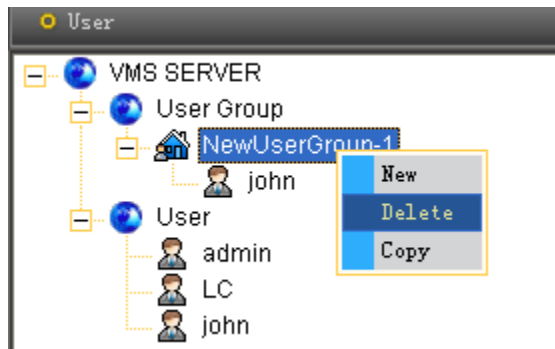


Right-click the user group icon, select "New" to create a new one, change the name, and then save



Right click on the user group to create a new one, changed its name and save.

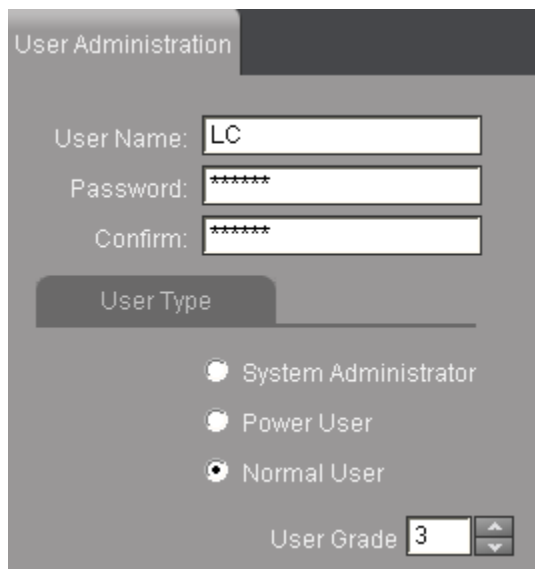
7.5.4 Delete the user group



Right-click on the icon of the user group, select “Delete” to remove the group.

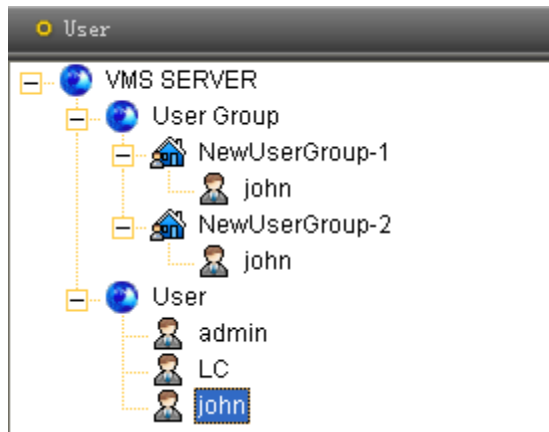
7.5.5 User parameters

Configurable user preferences and permissions:

A screenshot of the 'User Administration' form. The form has a title bar 'User Administration'. Below it are three input fields: 'User Name:' with the value 'LC', 'Password:' with '*****', and 'Confirm:' with '*****'. Below these is a section titled 'User Type' with three radio button options: 'System Administrator', 'Power User', and 'Normal User' (which is selected). At the bottom, there is a 'User Grade' field with the value '3' and up/down arrow buttons.

7.5.6 User group

The same user can belong to the current group, as well as other user groups.



- User group is a set of functions to facilitate management of multiple users. Click on the node in the list of user groups on the expansion button to select “New”, and enter the name of the user group, press [Save] button to finish creating new user group.
- After set up a user group, other groups can be dragged into this group and share the same administration permissions as the main group.
- System after set up will use the default user name "admin" for login; the system administrator can change the password.
- The permission includes all system application and management. The system administrator can change at any time the user's permission and password.
- In the user management window, double-click a user name to configuration permission and change password.