



IP CamSecure

User's Manual

Ver. 1.8-0810

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All features and functions are subject to change without notice. Please visit www.level1.com for the latest ones.

INSTALLATION.....	3
MINIMUM SYSTEM REQUIREMENT	3
INSTALL IP CAMERA(S).....	4
INSTALL CAPTURE CARD(S)	4
IP CAMSECURE INSTALLATION.....	5
MAIN CONSOLE	11
PLAYBACK.....	17
TO WITHDRAW THE RECORD	20
SEARCH MODE.....	22
ENHANCEMENT	28
SAVE VIDEO / SAVE IMAGE	29
PRINT / BACKUP	30
LOG VIEWER.....	31
SCHEDULE.....	35
ENCODING OPTIONS PANEL	38
GUARD.....	41
EVENT	42
ACTION	58
CONFIGURATION	60
MONITOR DISPLAY	74
SAVE/LOAD CONFIGURATION.....	75
COUNTING APPLICATION.....	76
LOG VIEWER.....	77
NETWORK SERVICE.....	86
LIVE STREAMING SERVER.....	86
REMOTE PLAYBACK SERVER	90
3GPP SERVICE.....	93
REMOTE DESKTOP.....	96
CENTRAL MANAGEMENT SERVICE	97
REMOTE LIVE VIEWER.....	98
DBTOOLS	103
BACKUP.....	107
HOW TO USE IP CAMSECURE IN VISTA.....	111

Installation

Minimum System Requirement

	E	D	C	B	A
S of All Cam.	1200~600	600~480	480~240	240~120	120~0
CPU	Intel Core 2 Quad Q6600	Intel Core 2 Duo E6400	Intel Pentium D 930	Intel P4 2.8 GHz	Intel P4 2.8 GHz
RAM	2 GB	1 GB	1 GB	512 MB	512 MB
Mother board	Intel 945 or 965 chip or above, MB vendor Asus with Intel Chipset recommended				
Video card	ATI Radeon 9200 , nVIDIA GeForce FX-5200 , Intel 945G/965G or above (ATi recommended)				
Ethernet	100 baseT or above, Gigabit LAN recommended				
Hard Disk	80 GB or above				
OS	MS Windows 2000 / XP pro sp2 / 2003				

Parameter definition:

For IP network camera

M: parameter of resolution of camera. 1 Mega-pixel : **M=10**VGA or D1 resolution : **M=5**CIF resolution : **M=1**

N: FPS of Camera

For analog camera (FCS-8004 capture card) P = 60

S=M*N+P For example: 16 channel system a) 1 camera at 1 Mega-pixel resolution with 10FPS b) 2 cameras at D1 resolution with 15FPS c) 5 cameras at CIF resolution with 30FPS d) 8 cameras with 2pcs FCS-8004

a) M=10; N=10, S=10*10=100 b) M=5; N=15, S=5*15=75 c) M=1; N=30, S=1*30=30 d) P=60 S of All Cam.=1*100+2*75+5*30+2*60=520 Therefore, the Minimum Hardware Requirement is **D level**.

Installation

Install IP camera(s)

Step 1: Set up the IP camera referring to the quick installation guide provided.

Step 2: Check the network between the IP camera and the system.

Step 3: Add the IP camera to the system. See details on later pages.

Install capture card(s)

Step1: Insert the card onto an empty PCI slot. Connect the Audio/Video Cable to the connector in the same color.

Step 2: Turn on your PC and start Windows.

Step 3: Insert the included Software CD into CD-ROM.

Step 4: Run SetupDrv.exe from the CD-ROM driver/ directory to install the Capture Card driver.

Step 5: Run dxdiag.exe from start menu 'Start-> Run' to check your DirectX version. If the installed version is less than 9.0, install DirectX 9.0 from the CD-ROM directx9/ directory.

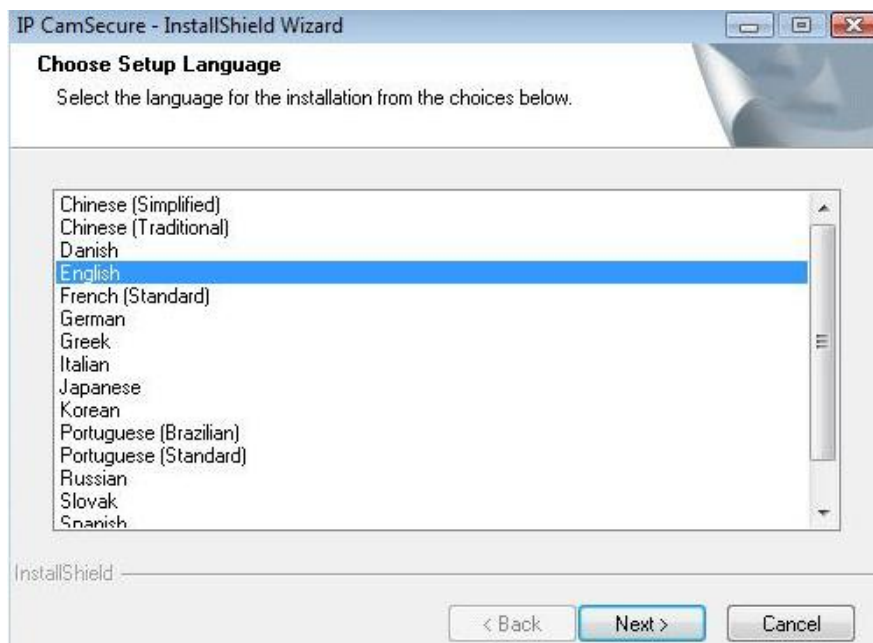
Step 6: After driver being installed, restart your PC.

Step 1: Insert the Installation CD.

Step 2: The setup page should be loaded automatically. If it does not, please select your CD-ROM drive manually to open the setup page. Click "IP CamSecure" to initiate the installation.

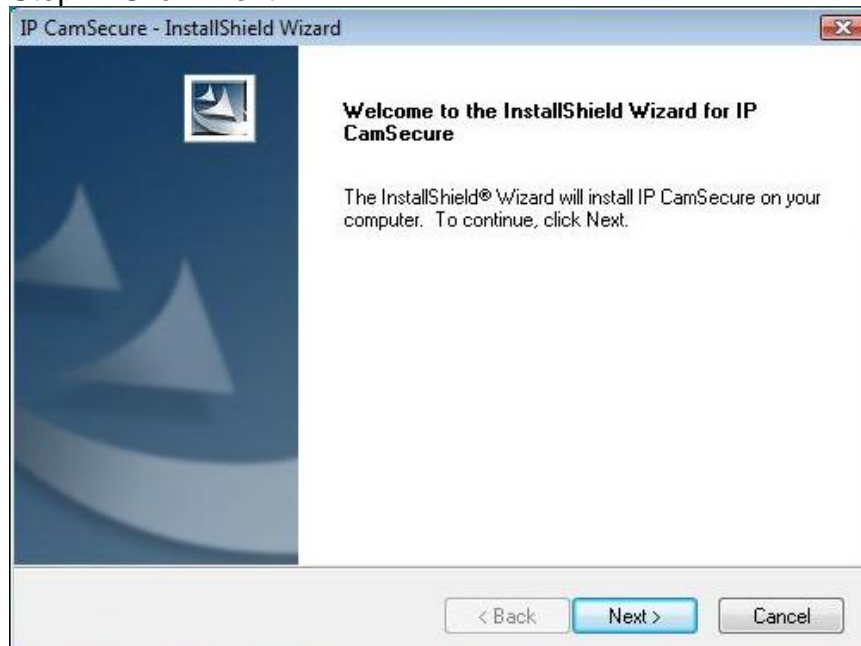


Step 3: Select the language for installation from the choices below.



Note: if you want to install Farsi or Hebrew, please select English for language. After installation is finished, run LangPackFAR.exe for Farsi or LangPackHEB.exe for Hebrew from the language pack folder in CD-ROM directory to install.

Step 4: Click "Next"



Step 5: Check the option "I accept the terms of the license agreement".



Step 6: Please enter your name and the company name for which you work.



The screenshot shows the 'Customer Information' window of the IP CamSecure - InstallShield Wizard. The window has a title bar with the text 'IP CamSecure - InstallShield Wizard' and a close button. Below the title bar, the text 'Customer Information' is displayed, followed by the instruction 'Please enter your information.' The main area contains two text input fields: 'User Name:' with the value 'John' and 'Company Name:' with the value 'LevelOne'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted in blue.

Step 7:

COMPLETE SETUP TYPE: [Require the most disk space.]

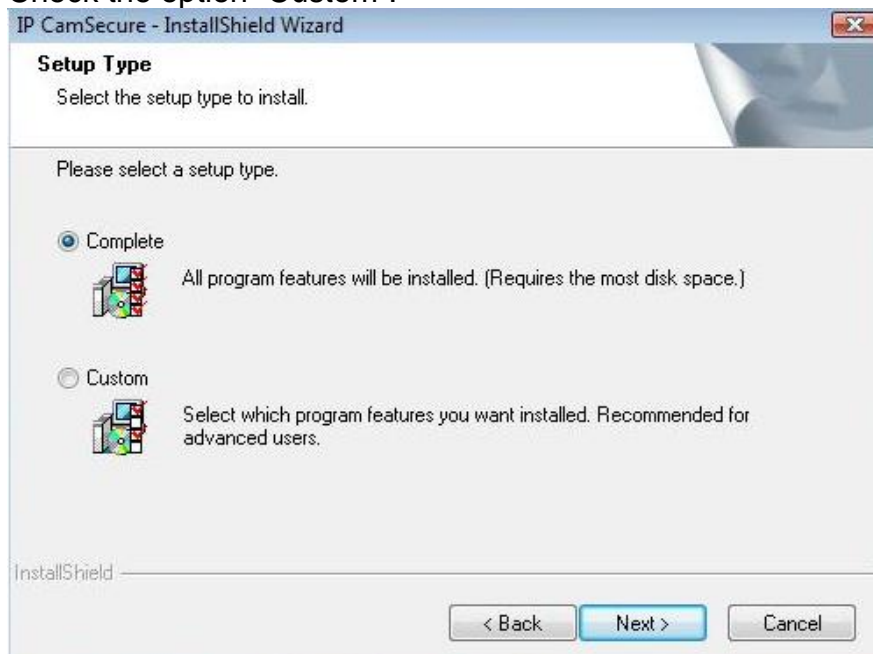
Install all program features into the default directory.

Check the option "Complete".

CUSTOM SETUP TYPE: [This is recommended for advanced users.]

Install the system to a preferred directory. Or select whichever feature(s) you wish to install.

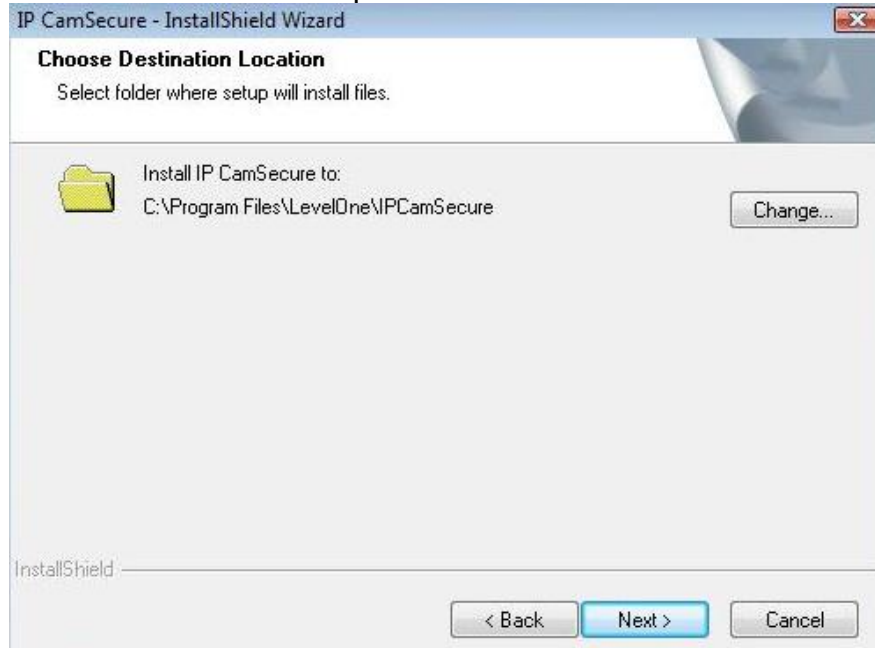
Check the option "Custom".



The screenshot shows the 'Setup Type' window of the IP CamSecure - InstallShield Wizard. The window has a title bar with the text 'IP CamSecure - InstallShield Wizard' and a close button. Below the title bar, the text 'Setup Type' is displayed, followed by the instruction 'Select the setup type to install.' The main area contains two radio button options: 'Complete' (selected) and 'Custom'. Each option is accompanied by a small icon of a computer and a brief description. The 'Complete' option states 'All program features will be installed. (Requires the most disk space.)' and the 'Custom' option states 'Select which program features you want installed. Recommended for advanced users.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted in blue.

Installation

Select folder where setup will install files.



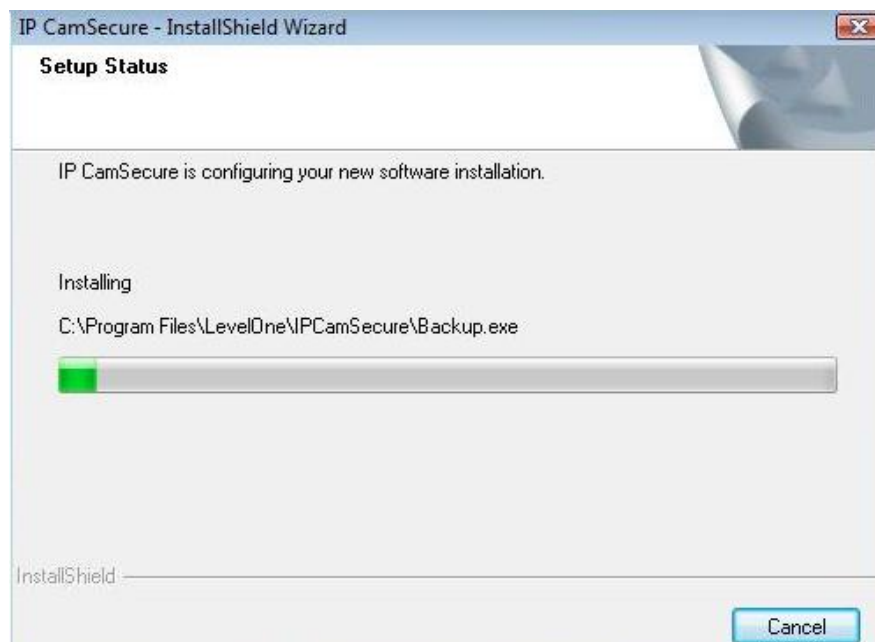
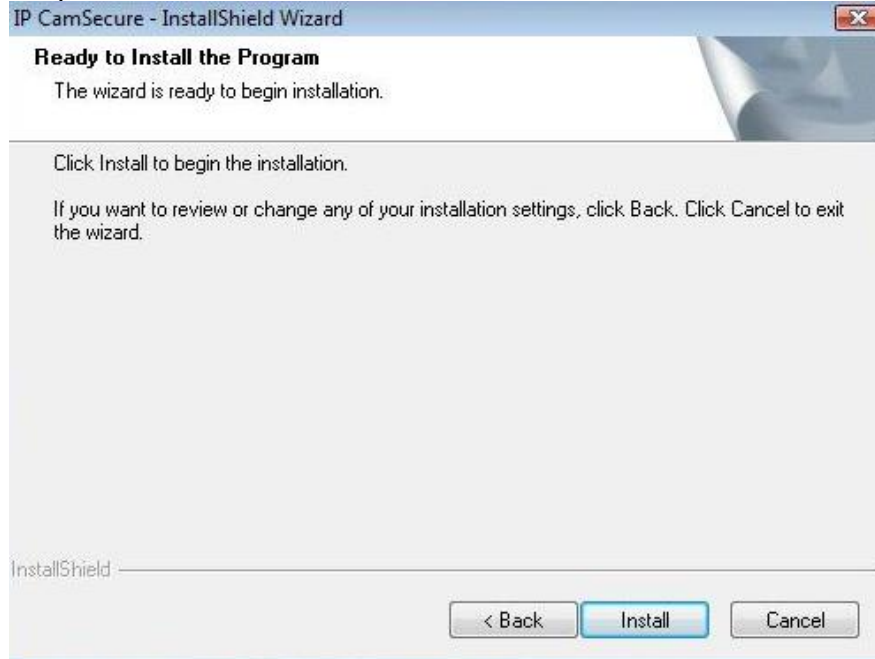
Select the features setup will install.



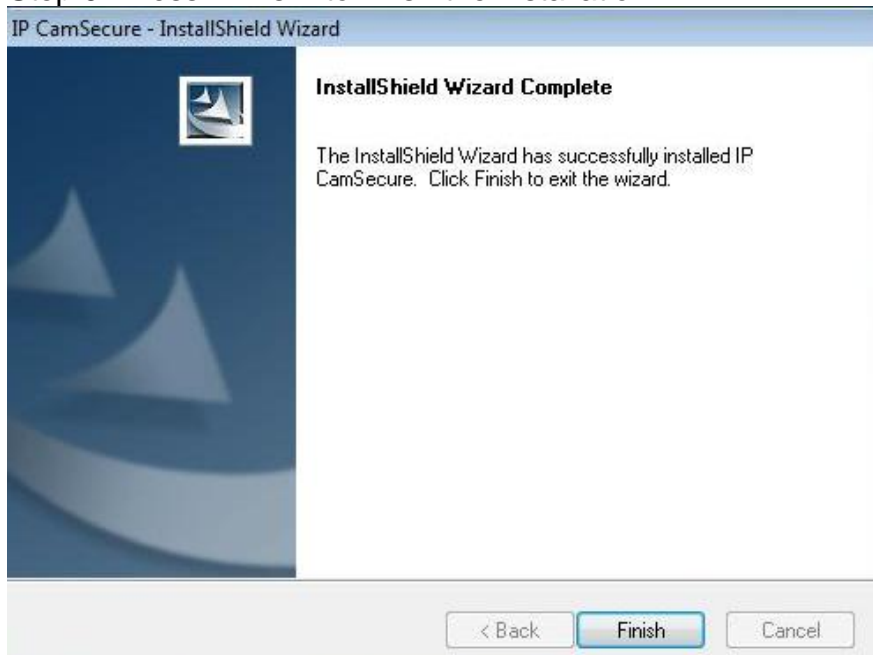
Hint: For example, select only Playback and LiveView for installation. Install and use only these features on multiple remote sites at home or anywhere with a PC.

Installation

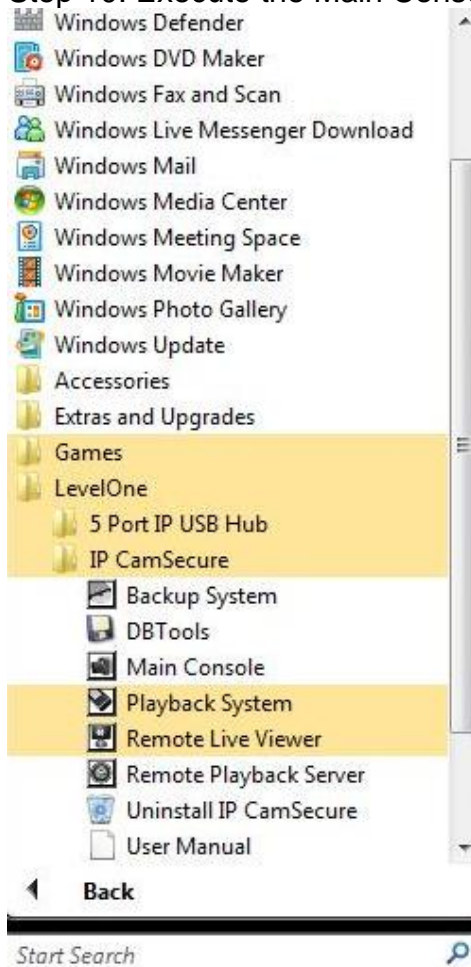
Step 8: Press the “install” to start the installation.



Step 9: Press “Finish” to finish the installation.



Step 10: Execute the Main Console



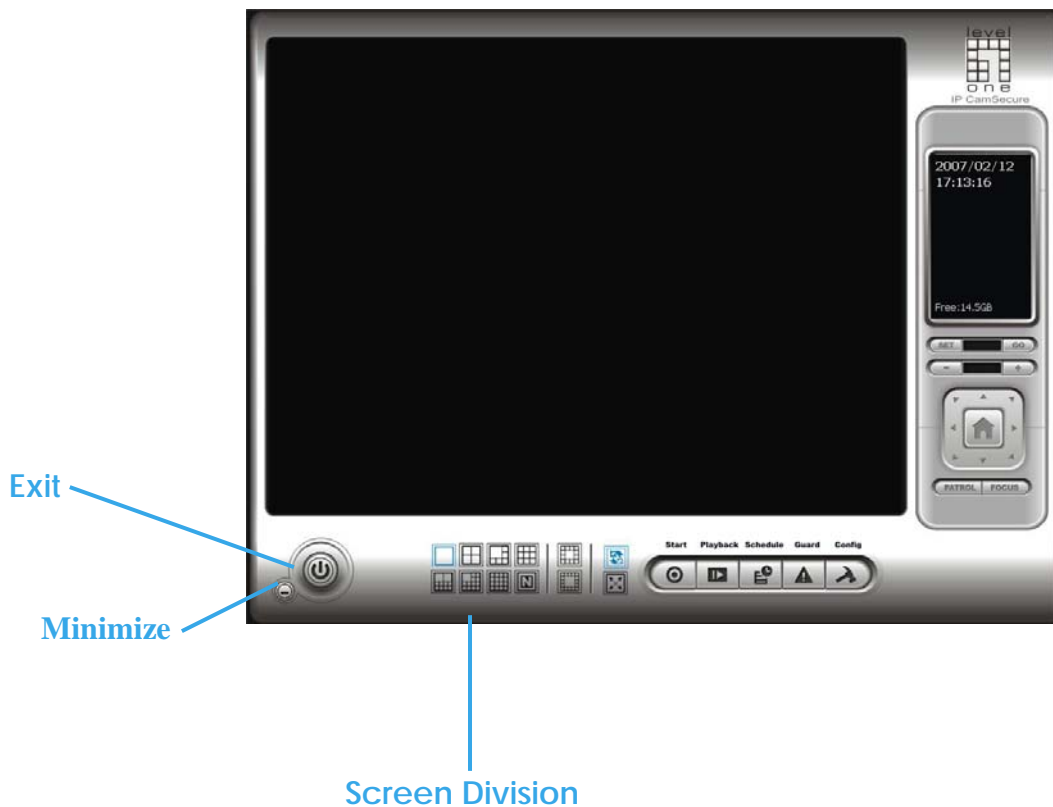
****IP CamSecure Lite32 is free bundled with LevelOne IP camera and Capture Card.**

**** IP CamSecure professional version is available upon purchase. While using IP CamSecure Pro/Pro Plus/Pro Mega ,please plug the included USB dongle into USB port as a license key.**

Main Console



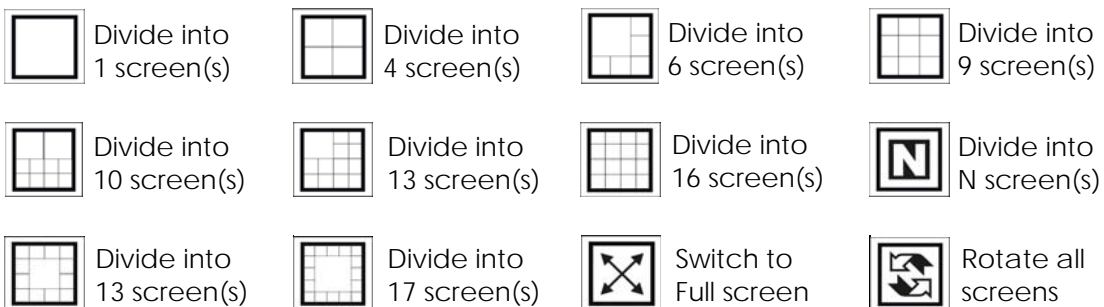
The main operation system. To activate schedule recording, setup smart guard and configure system setting.



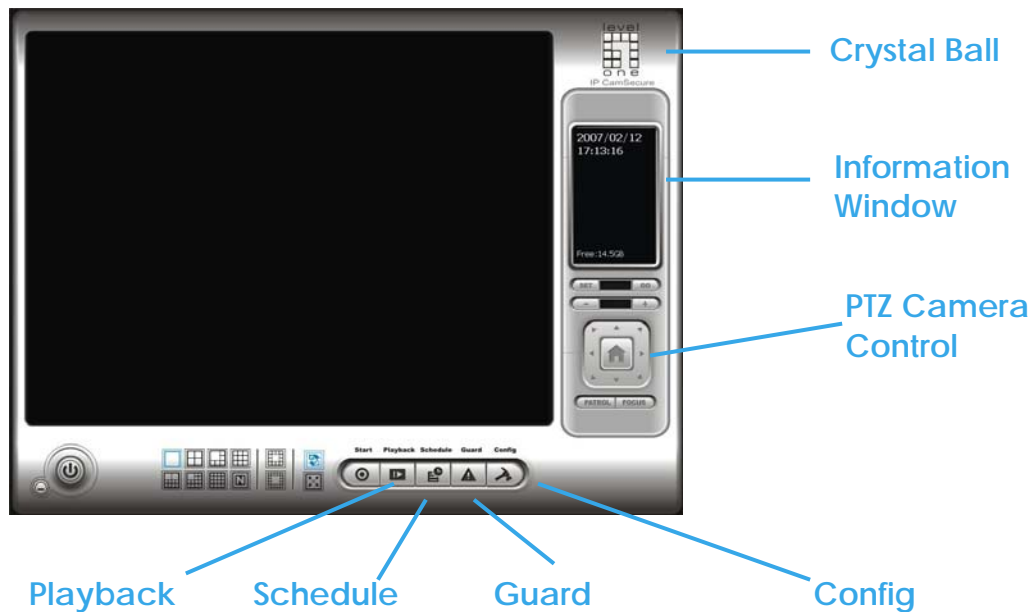
Exit: Shut down the main console or log out current user.

Minimize: Minimize the Main Console.

Screen Division: Allocate the sub-screen displays of cameras by clicking on the icon of desired layout. Quick switch to single camera display by double click the particular sub-screen. Double click the single camera display again to regain previous screen division layout.







Playback: Click the icon to get Playback Console. You can watch recorded video, search, adjust image from records data, save video pictures and print images, check log in information, event records and setup recording function configuration. See Playback in detail on later pages.

Schedule: Schedule recording time table and setup recorder configuration. See Schedule in detail on later pages.

Guard: Add/edit type(s) of events which you want to detect; setup reaction(s) responding to events. See Guard in detail on later pages.

Config: Setting, Save/Load Configuration, Counting Application, Log Viewer and Backup.

Crystal Ball: Indicates the working status of the system. In blue color rolling when system is recording; in red when event detected. When the Crystal Ball is red, click it can you can cancel event(s).

Information Window: Shows the system information including date, time, free HD space and customized text. You can customize the setting of Information Window in Config > Setting > General.

PTZ Camera Control:: Control the movement of PTZ cameras. With cameras that support PTZ control, you can zoom, adjust the focus, and set preset points of the cameras.

Preset/ Go: Adjust the camera view until you are satisfied. Click on the Set icon and set up the view as the preset point 01. Adjust the camera view again and set up the preset point 02. Repeat the process until finish setting up all preset points.

Click on the Go icon and view the result of your setting.

Zoom: Click on the + and – signs to zoom in and out the view.

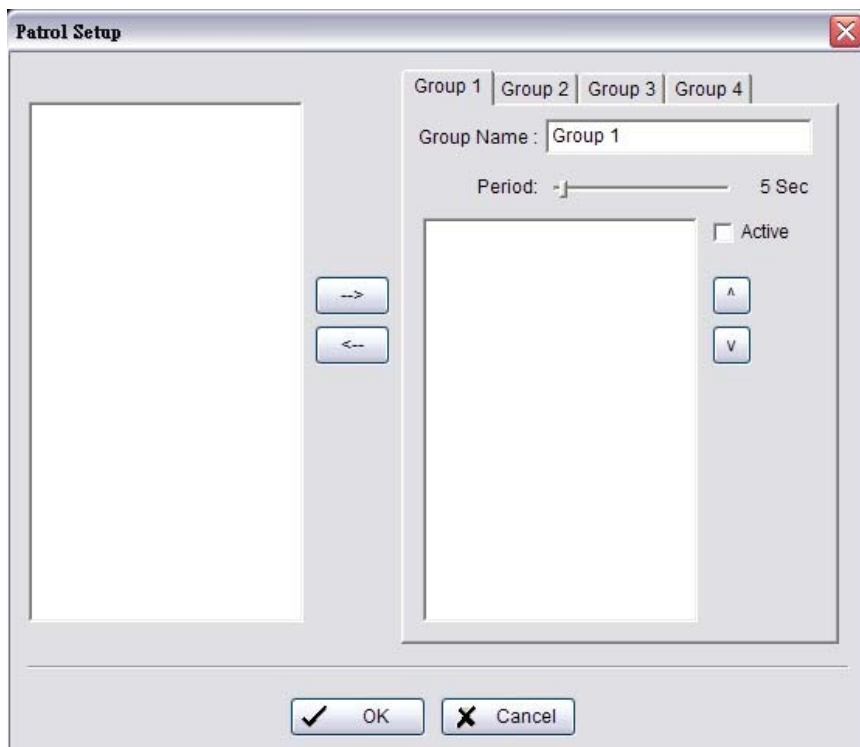
Focus: You can select to have the camera focused near or far. To focus near means objects that are closer will be clearer than the objects that are further away. On contrast, to focus far means objects that are further will be clearer than the objects that are close.

Playback

Click on the Focus icon and select auto focus if you want the system to decide the focus point for you.

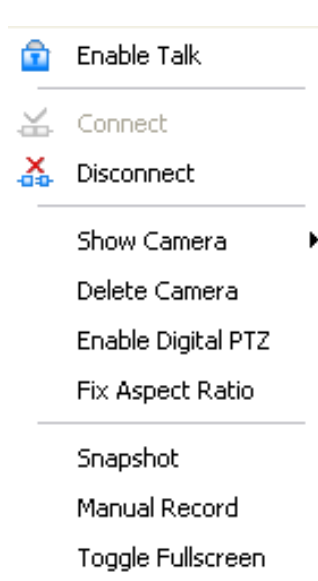
Patrol: Go to Patrol > Set Patrol to obtain the Patrol Setup dialog. From the left window, select the cameras that you would like to have in the patrol group. Align the cameras in order in the right window and adjust the time. Rename the group name if you want. After completing the setup, check the Active box, and then click OK.

You can setup up to four groups of auto patrol. To start or stop, click on the Patrol icon in the Main Console, and select Start Patrol or Stop Patrol.



Playback

On Screen Menu:



Right click on the camera screen and get the On Screen Menu, from which you can enable move, enable digital PTZ, and connect/ disconnect the camera.

Enable Move: With cameras that support PT function, by selecting the enable move function, you may adjust the camera's view by clicking on the display screen. To cancel this function, right click on the screen and select Disable Move.

Note: You can only work on current camera after clicking Enable Move.

Enable Talk: With cameras that support two-way audio, you may select enable talk to utilize the function.

Connect/ Disconnect: Right click on the display screen and select Connect/ Disconnect to modify the connecting status of the camera.

Show Camera: Select the camera to be displayed from the Show Camera Menu.

Delete Camera: Click on Delete Camera to remove a camera from the display screen. This does not delete the camera from the setting list.

Enable Digital PTZ: To enable the PTZ functions of the camera, select the Enable digital PTZ option. When enable digital PTZ, we can use mouse wheel to zoom in and zoom out on the camera.

Note: Enable Digital PTZ is the option function in IP+ software not in IP software

Fix Aspect Ratio: For some special camera resolution, user can enable Fix Aspect Ratio to view original ratio video, or disable this option to stretch 3:4 to fit window.

Snapshot: Select the snapshot function to capture a specific video image immediately. You have the options to copy the image to the clipboard or to save it.

Manual Record: Start recording video by selecting manual record.

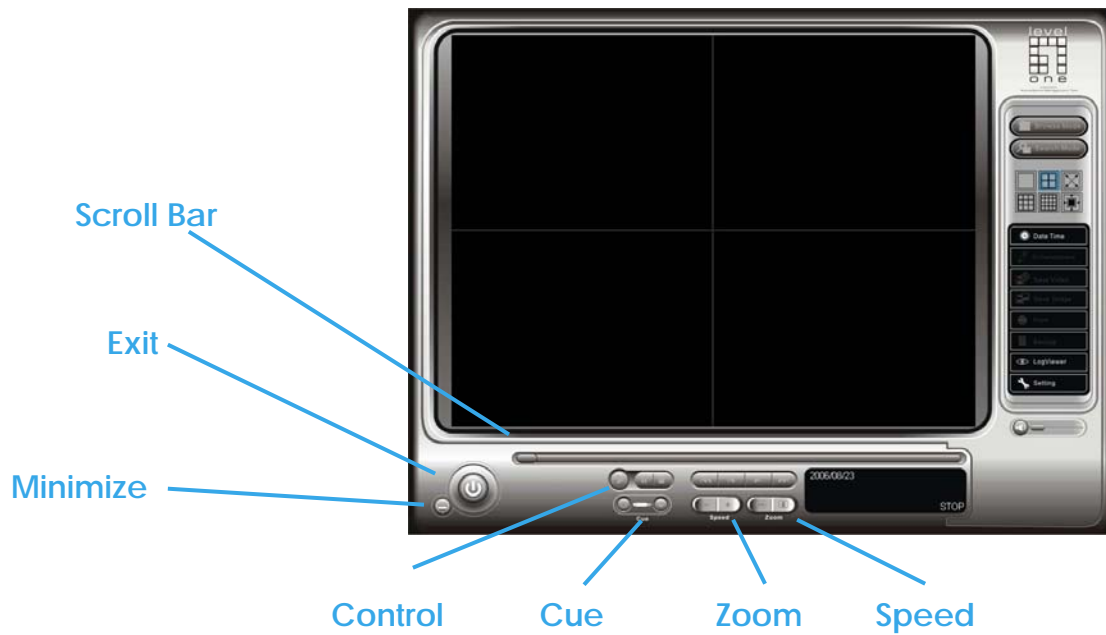
Toggle Full Screen: To view a specific channel with full screen.

Playback



Watch the recorded video, view and/or search for unusual events and recorded system information.

***There is only 1 channel displayed in Playback in IP CamSecure Lite32 while there are up to 16 channels displayed in IP CamSecure Pro/Pro Plus/Pro Mega simultaneously.**



Minimize: Minimizes the playback Console window.

Exit: Turn off the Playback Console.

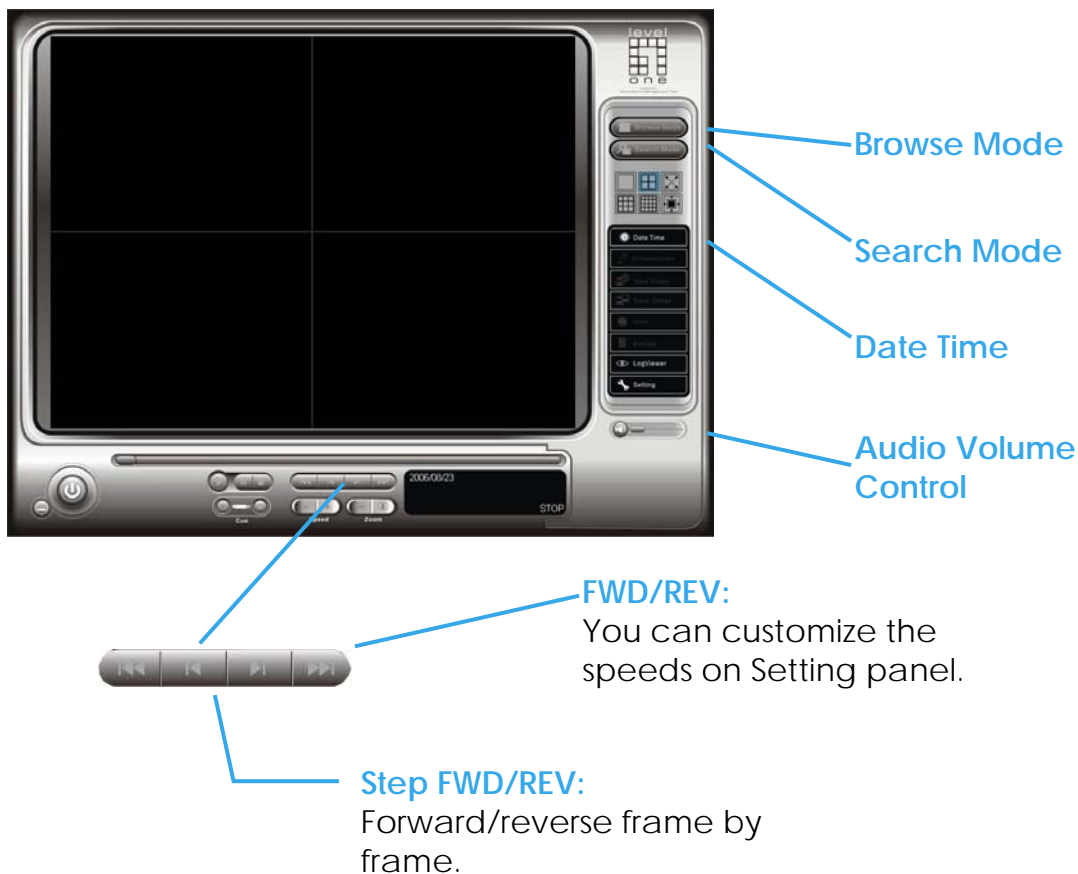
Scroll Bar: Indicate the status of the playing video; drag it to where you want to review.

Control: Play, pause and stop the video.

Cue: When playing video, click on the Cue In/ Cue Out icon at where you want to set as the starting/ ending point of a saved video clip or a backup file. The Cue In and Cue Out time will show on the Playback Information Window once they are set.

Speed: Control the speed of the playing video. Click + to speed up and – to speed down the video.

Zoom: Zoom in and zoom out. You can get a close up view of the recorded video and move to the spot you want to view by dragging the screen.



Browse Mode: Play the recorded video.

Search Mode: Click on the Search Mode icon and get the Intelligent Search Tool panel. You can setup unusual events here to detect abnormality that occurred during the video was recorded. To setup unusual events, see this in detail on later pages.

SCREEN DIVISION: Allocate the sub-screen display by clicking on the desired layout icon. To switch to single camera display, double click on a particular sub-screen. Double click on the screen again to regain previous screen division layout.

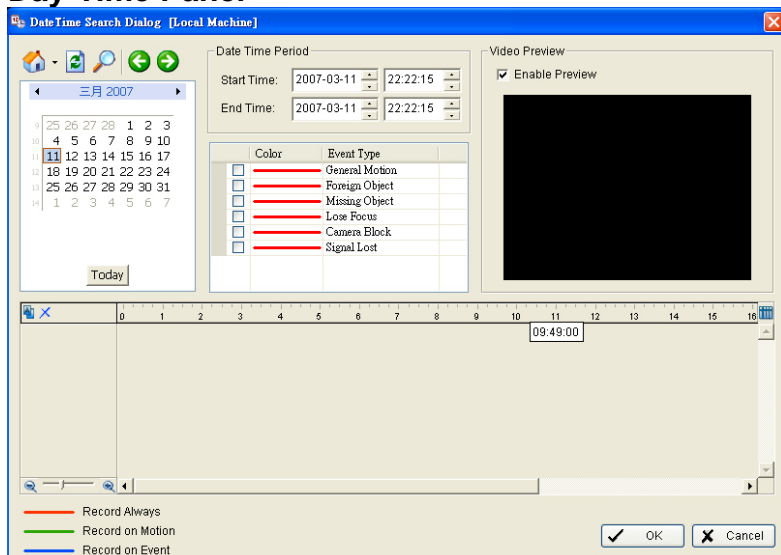
INFORMATION DISPLAY WINDOW: Display video date and time, current video status, cue in/ out points' time, and speed.

Date Time: By clicking on Date Time bottom, you can withdraw the video record that you want to review. As you click on the Date Time bottom, a control panel will show up. Follow the instruction on the next page to withdraw the record.


Audio Volume Control: Adjust the sound level.





Playback

Day-Time Panel



Record Display Window: The record display window shows the information of the available video clips. It may show in calendar or list control view. To know how to modify the record display window view.




Click on the  icon on the top of the display window to obtain the Remote Playback Site Management dialog. Here you may select to access local machine or set up remote playback server. See later pages for details in setting up the remote playback server.

Click on the  icon to refresh the record display window, and click on the  icon to access the log viewer dialog. See later pages for details about the log viewer dialog. Additionally, utilize the   icons to go to previous and next pages.

Date Time Period: Select the start and end time points that indicate the time period you would like to view.

Video Preview: Check the enable preview box to view the selected video.

Event Type: There are 5 event types. You may set up different colors for different event types to help you select events.

Time Table: Utilize the  icon to select all channels; also utilize the  icon to deselect all channels. Finally, utilize the scale bar  to modify the scale of the time table.

To withdraw the record

Step 1: From the record display window at the top left of the Date Time Panel, select the date you want to withdraw the record from. The red/green lines shown on the time table indicate available recorded video records.

Note: The record display window can be shown in (a) calendar view or (b) list control view. To modify the setting of the record display window, click on the Setting button at the right of the Playback Console. See later pages for details.

Playback

Step 2: Use color bars to differentiate event types from each other. This will help you select video clips.

Step 3: Highlight the video clip you want to review by left-clicking and dragging the time period. You may also utilize the Start Time and End Time in Date Time Period Section. In addition, modify the scale of the time table with the + and – signs on the bottom left.

Step 4: Check the Enable Preview box to get the preview of the video you select.

Step 5: Click OK when complete the setting.

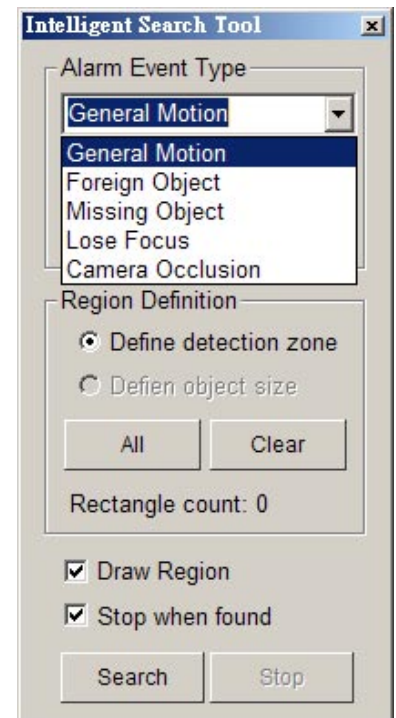
Intelligent Search Tool panel:

Click on the Search Mode icon and get the Intelligent Search Tool panel. You can setup unusual events here to detect abnormality that occurred during the video was recorded.

There are 5 types of unusual events:

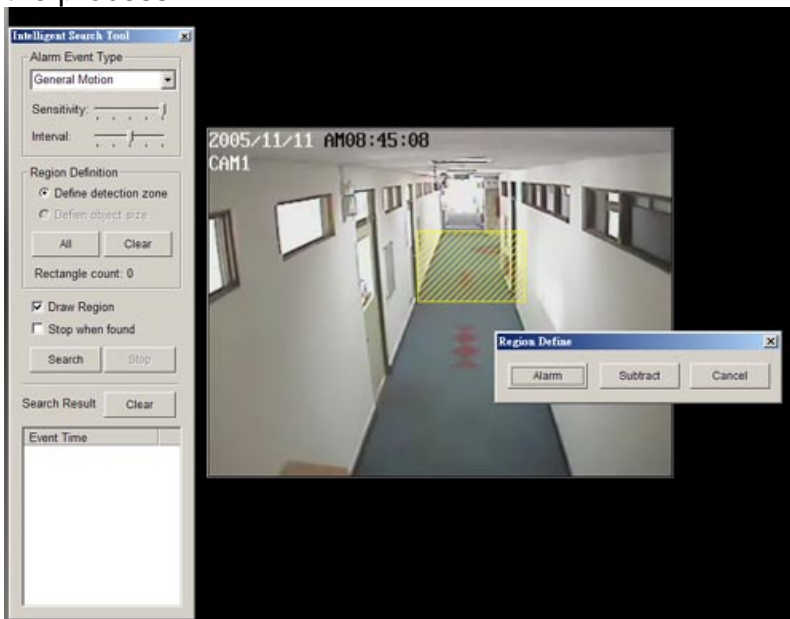
- General Motion
- Foreign Object
- Missing Object
- Lose Focus
- Camera Occlusion

***IP CamSecure Lite32 only has General Motion option in Search Mode.**



General Motion: Detect any movement in the defined detection zone.

Define detection zone: To detect General Motion, you have to define a detection zone. Left-click and drag, and draw a detection zone. You may define more than one zone on the screen by repeat the process.

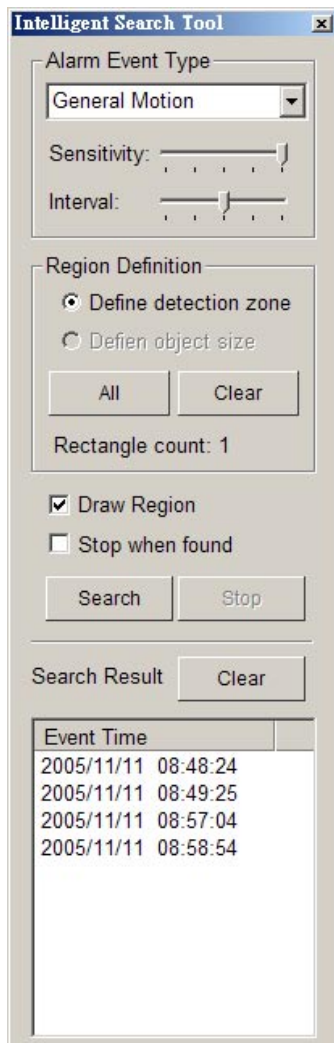


Playback

Unusual Event - General Motion

Sensitivity: Click and move the control bar to the right to increase sensitivity, that is, a relatively small movement will trigger the alarm. Move to the left to reduce the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the movement lasts longer. Move to the left to reduce the interval time.



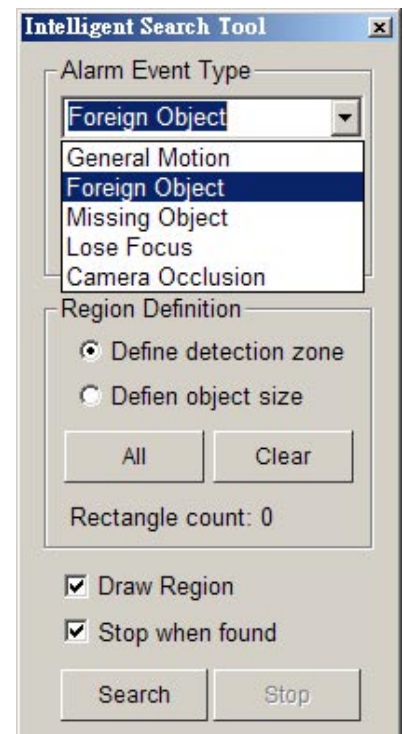
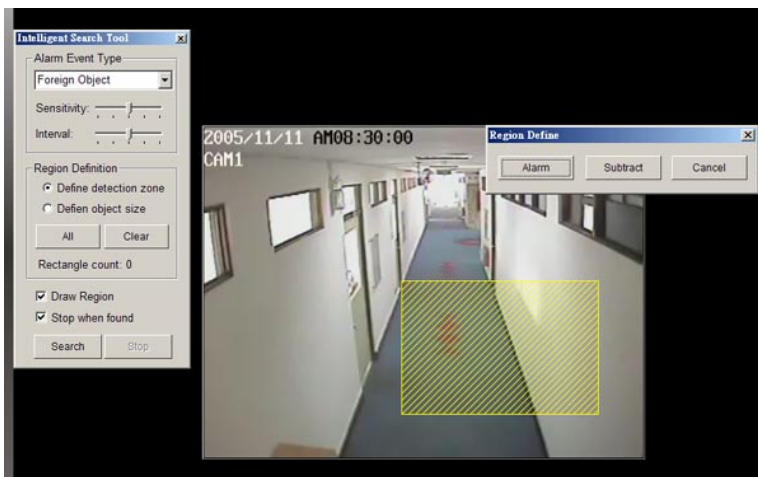
Stop when found: Check the box, and the video will stop at the point when a motion in the detection zone is detected. Otherwise, the video will keep rolling and all the events detected will show on the list in Search Result box. Click on the listed event date/time, you will jump to the point in the video where a motion is detected.

Click on the listed event date/time, you will jump to the point in the video where a motion is detected.

Intelligent Search Tool panel:

Click on the Search Mode icon and get the Intelligent Search Tool panel. You can setup unusual events here to detect abnormality that occurred during the video was recorded.

Foreign Object: Alarm is set off when an object appears in the defined area on the screen.



Define detection zone: To detect Foreign Object you have to define a detection zone. Left-click and drag, draw a detection zone. Alarm will be triggered when an object appears in the detection zone.

Define object size: Drag and draw a square on the screen to define the size of a foreign object.

Sensitivity: Click and move the control bar to the right to increase sensitivity, that is, a relatively small movement will trigger the alarm. Move to the left to reduce the sensitivity of movement detection.

Interval: Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the object has been removed from the area for longer. Move to the left to reduce the interval time. Set up an appropriate Interval value will reduce the chance of false alarm. For example, you can lower the Interval to avoid the alarm being triggered by a pedestrian.

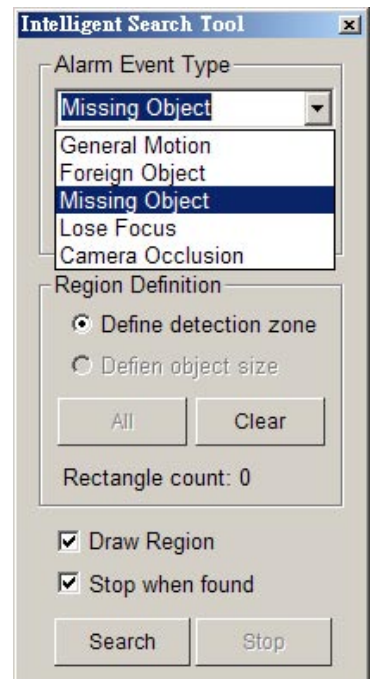
Intelligent Search Tool panel:

Click on the Search Mode icon and get the Intelligent Search Tool panel. You can setup unusual events here to detect abnormality that occurred during the video was recorded.

Missing Object: Alarm is set off when the defined object is removed from the defined area on the screen.

Define detection zone: To detect Missing Object you have to define a detection zone. Left-click and drag, draw a detection zone. Alarm will be triggered when the defined object is removed from the detection zone.

Define object size: To tell the system how big the defined object is. Drag and draw a square on the screen, on the object that you want to protect.

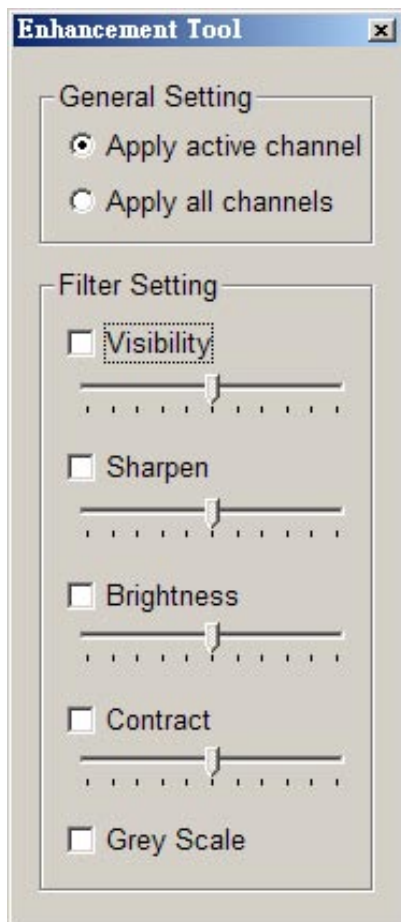


Sensitivity: Click and move the control bar to the right to increase sensitivity, that is, a relatively small movement will trigger the alarm. Move to the left to reduce the sensitivity of movement detection.

Interval: Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the object has been removed from the area for longer. Move to the left to reduce the interval time.

Lose Focus: System will inform you when the camera(s) are losing focus.

Camera Occlusion: Alarms when any of the cameras is blocked.



General Setting: Check the circle and chose whether you want to apply the setting to all the channels or only to those currently show on the screen.

Filter Setting

Visibility: Check the box and adjust the gamma value of the image, which means, you may enhance the image and make it cleaner.

Sharpen: Check the box to activate the function. Move the control bar to the right to sharpen the image, to the left to soften it.

Brightness: Check the box to activate the function. Move the control bar to the right to make the image brighter.

Contrast: Check the box to activate the function. Move the control bar to the right to increase contrast.

Grey Scale: Check the box to show the record in grey scale mode, which is, in black and while.

Save Video

Step 1: Choose the camera display you want to save as a video clip.

Step 2: Set up the Cue In and Cue Out points, the cue in and cue out time will show up on the display.

Step 3: Click Save Video icon, choose the folder where you want to save the file, enter the file name and click SAVE. You may export (save) the record with both audio and video or you can explore the video only.

Step 4: Choose the compression format and then save the video.

Note: all the information recorded (including log info, events reported and so.) will be saved.

Save Image

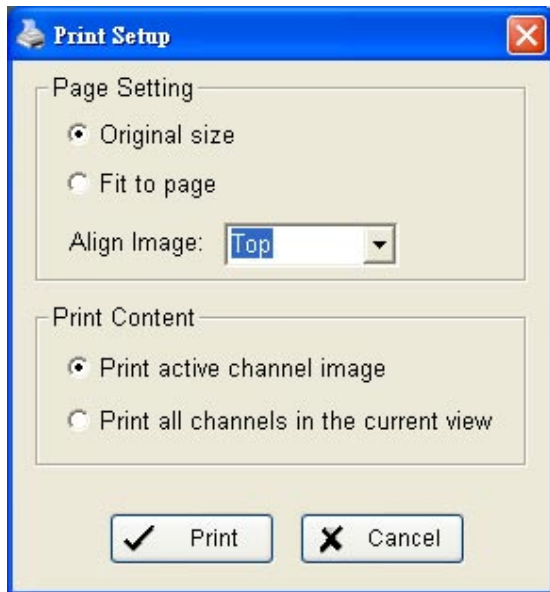
Step 1: Chose the camera display from which you want to save pictures.

Step 2: Click Save Image bottom and when the image you want is on the screen. You may click Pause to freeze the video, use Step Forward/ Step Backward function to find the picture you want to save.

Step 3: Choose the folder and the format of image (BMP or JPEG) you prefer and then click save.

Note: You may skip step 3 by pre-setting a folder and format that you want to save the images.

Print



Print in original size: Select to have the image print in original size.

Fit the page: Select to have the image fit the page.

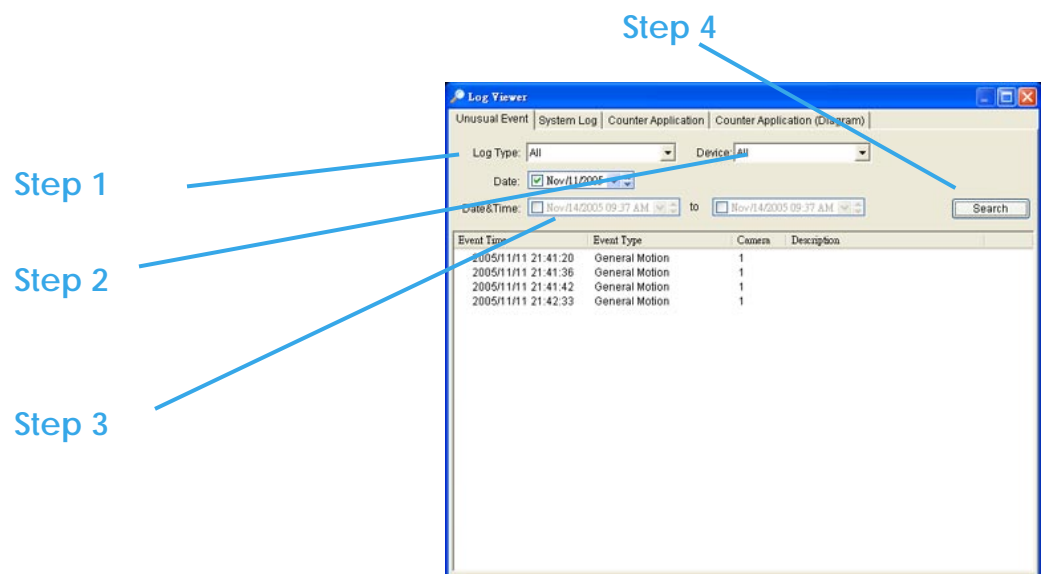
Align Image: Top, Center, or Bottom

Print Content: Print the image from currently selected channel or all the channels shown on the screen.

Backup: Different from Save Video, the Backup function saves everything from the Playback panel, including log information.

You can start a full function Playback Console and load the backup files into it on any PC with Windows operating system. This means you may monitor the real time video and work on the backup files on separate computers simultaneously.

***IP CamSecure Lite32 only has System Log option in Log Viewer.**



Unusual Event: You can check out the history of Unusual Event that had been detected by Smart Guard System.

Step 1: Choose the type of event you want to check or select "All" on the pull-down menu for all types of events.

Step 2: Choose from which camera you want to check the event(s) or select "All" for all the channels available.

Step 3: You can either view the events on a particular date or during a given time period. To search and view Unusual Event on a particular date, mark the box right after "Date" and indicate the date you want to check.

You may also point out two different time points and search for Unusual Event between them. Mark the box in the Date & Time column and then enter the date and time.

Step 4: Click Search

Note: When you are working with a video record,

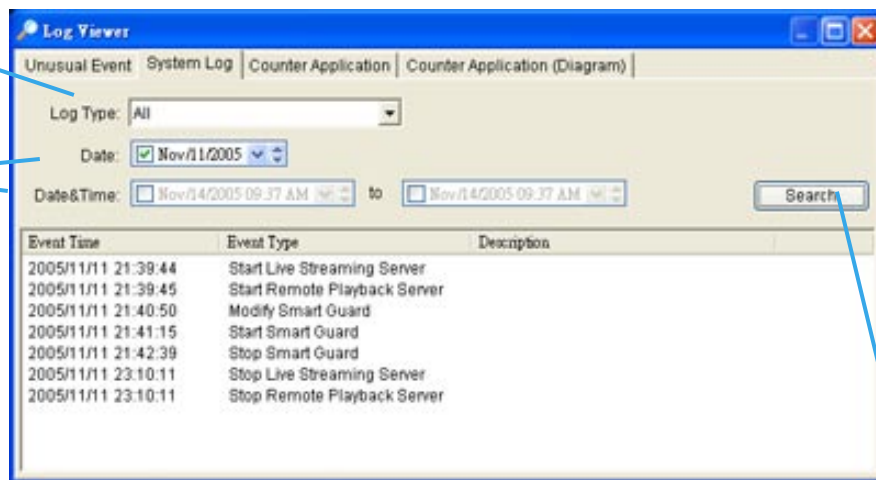
1. Log Viewer will search Unusual Event in the video record by default, that is, to search in Date & Time mode, start from the beginning of the record and to the end of the record.

2. There will be a link icon right beside the event time; by clicking on the link icon you will jump to the point where the Unusual Event took place.

Playback Log Viewer

Step 1

Step 2



Step 3

System Log: Select **Log Type** from the drop-down menu. There are total 11 types of log types, including:

1. Console Startup,
2. Console Shutdown,
3. User Login,
4. User Logout,
5. Start Schedule,
6. Stop Schedule,
7. Execute Recycle,
8. Execute Backup,
9. Enable Channel,
10. Disable Channel, and
11. Start Smart Guard.

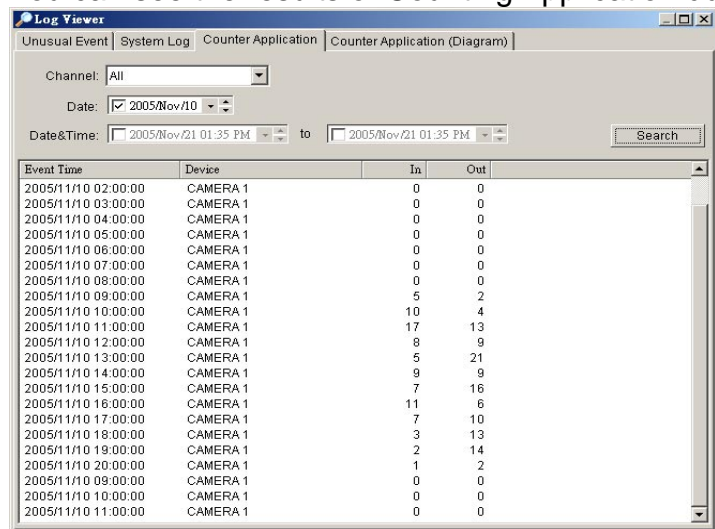
Step1: Choose the type of event you want to check or select "All" on the pull-down menu for all types of events.

Step 2: You can either view the events on a particular date or during a given time period. To search and view Unusual Event on a particular date, check the box right after Date and indicate the date you want to check. You may also point out two different time points and search for Unusual Event between them. Mark the box in the Date & Time column and then enter the date and time.

Step 3: Click Search.

Counting Application:

You can see the results of Counting Application during the time period you set.

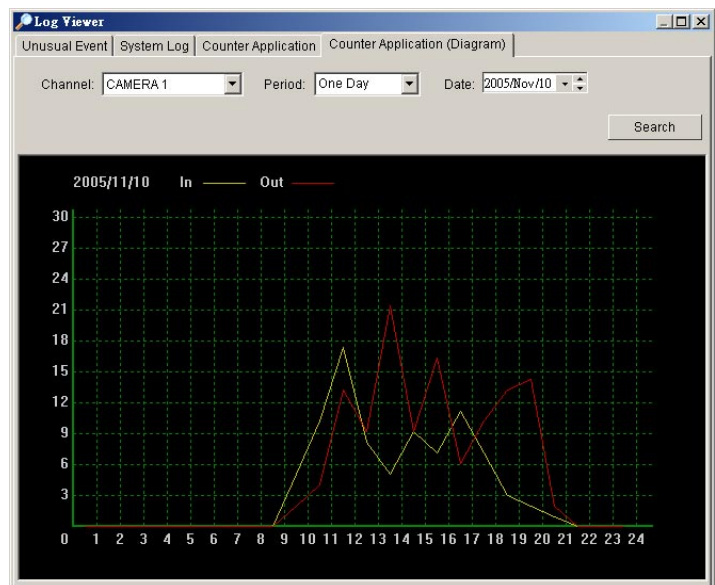


The screenshot shows the 'Log Viewer' application with the 'Counter Application' tab selected. The 'Counter Application (Diagram)' sub-tab is active. The 'Channel' is set to 'All', the 'Date' is '2005/Nov/10', and the 'Date&Time' range is from '2005/Nov/21 01:35 PM' to '2005/Nov/21 01:35 PM'. A 'Search' button is visible. The table below displays the counting results for CAMERA 1.

Event Time	Device	In	Out
2005/11/10 02:00:00	CAMERA 1	0	0
2005/11/10 03:00:00	CAMERA 1	0	0
2005/11/10 04:00:00	CAMERA 1	0	0
2005/11/10 05:00:00	CAMERA 1	0	0
2005/11/10 06:00:00	CAMERA 1	0	0
2005/11/10 07:00:00	CAMERA 1	0	0
2005/11/10 08:00:00	CAMERA 1	0	0
2005/11/10 09:00:00	CAMERA 1	5	2
2005/11/10 10:00:00	CAMERA 1	10	4
2005/11/10 11:00:00	CAMERA 1	17	13
2005/11/10 12:00:00	CAMERA 1	8	9
2005/11/10 13:00:00	CAMERA 1	5	21
2005/11/10 14:00:00	CAMERA 1	9	9
2005/11/10 15:00:00	CAMERA 1	7	16
2005/11/10 16:00:00	CAMERA 1	11	6
2005/11/10 17:00:00	CAMERA 1	7	10
2005/11/10 18:00:00	CAMERA 1	3	13
2005/11/10 19:00:00	CAMERA 1	2	14
2005/11/10 20:00:00	CAMERA 1	1	2
2005/11/10 09:00:00	CAMERA 1	0	0
2005/11/10 10:00:00	CAMERA 1	0	0
2005/11/10 11:00:00	CAMERA 1	0	0

Counting Application (Diagram):

The Counting Application result data will show in a diagram.



Playback Setting

Database Source:

Select local machine if you wish to withdraw video record from the PC you are working with currently. Otherwise, select remote playback server to access a database via the Internet. See Config > Remote Playback Server in detail on later pages.

Play:

Play when open: Check the box and set the system to play the video clip every time when you withdraw it from the database.

Auto skip when record motion only mode: Check the box to set up the system to automatically skip to the points where there were motions recorded.

Next interval: Set the interval with which the video goes forward when you click Next icon on the control panel.

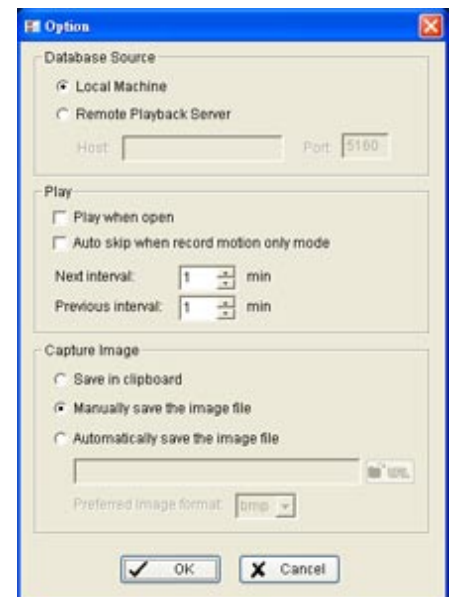
Previous interval: Set the interval with which the video goes backward when you click Previous icon on the control panel.

Capture Image: Setup how you want to save image.

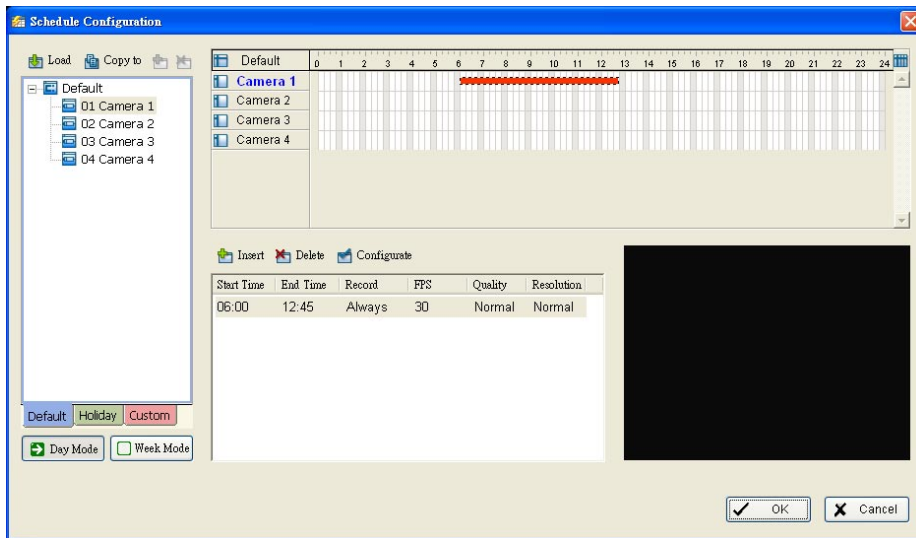
Save in clipboard: The image will be saved in the clipboard and be able to paste on other application software.

Manually save the image file: You can manually choose where you want to save the image, name the saved file and which format you want to save the image.

Automatically save the image file: By giving the system a path/URL and the image format, it will automatically save the image accordingly every time you click Save Image bottom.



Schedule



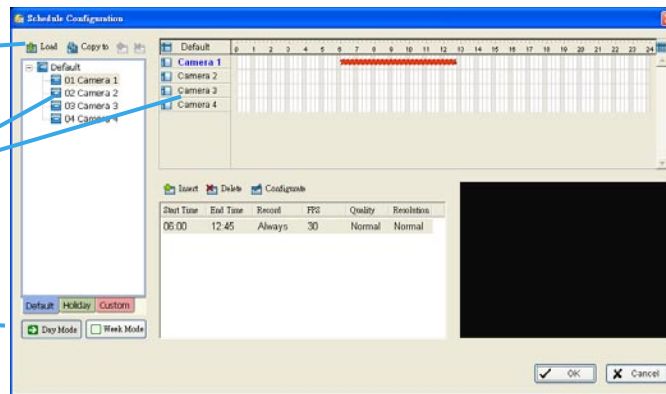
Click on Schedule icon on Main Console and get the Schedule configuration panel to setup the time schedule for video recording.

Guard

Load

Camera / Channel

Day Mode

**Day Mode**

Schedule the cameras on a daily basis, which means that the recorder will be on and off, at the same time every day, according to the same schedule you setup.

To setup the time schedule for each camera, you may

1. Load the preset Modes or
2. Insert a new schedule manually.

To load preset Modes

Click on the Load icon and get a pull-down menu.

Regular Mode: Record video 24 hours a day with the setting of 30 FPS (frames per second), Normal video quality and Normal resolution.

Office Mode: Record video from 8 am to 8 pm (08:00 – 20:00, shown as a red bar on Schedule Configuration panel) with 30 FPS, Normal video quality and Normal resolution.

Shop Mode: Record video from 10 am to 10 pm (10:00 – 22:00) with 30 FPS, Normal video quality and Normal resolution.

High Security Mode: Record video 24 hours a day with the setting of 30 FPS, Highest video quality and High resolution.

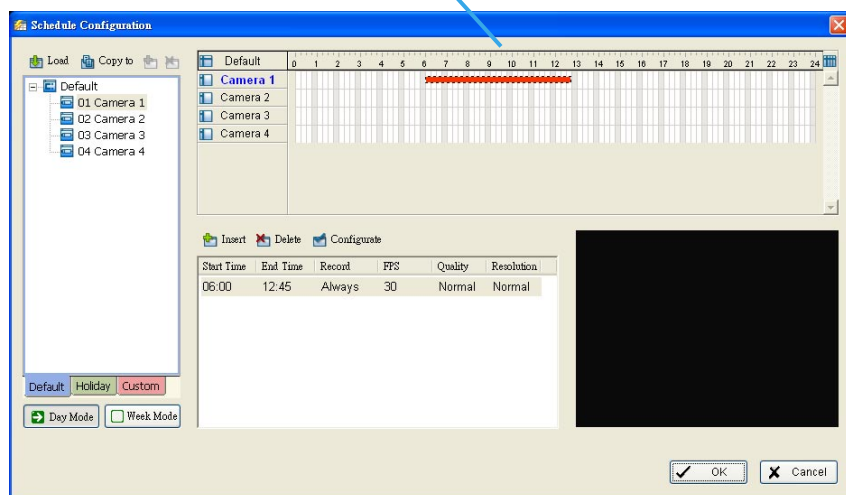
Disk Saving Mode: The system will start recording only when a motion on the screen is detected, 24 hours a day (shown as a green bar on Schedule Configuration panel), with the setting of 30 FPS, Normal quality and Normal resolution. You can adjust the sensitivity, interval and detection area of motion detection in schedule Configure

Minor Mode: The system will start recording only when a motion on the screen is detected, 24 hours a day (shown as a green bar on Schedule Configuration panel), with the setting of 15 FPS, Low quality and Low resolution. You can adjust the sensitivity, interval and detection area of motion detection in schedule Configure.

Adjust the scheduled setting: Although you have loaded the Modes by Load function, you can still manually make some changes of it.

Option 1: Move the cruiser to the Time Bar to change the length of it or move the bar sideways to change the start and stop points.

Time Bar



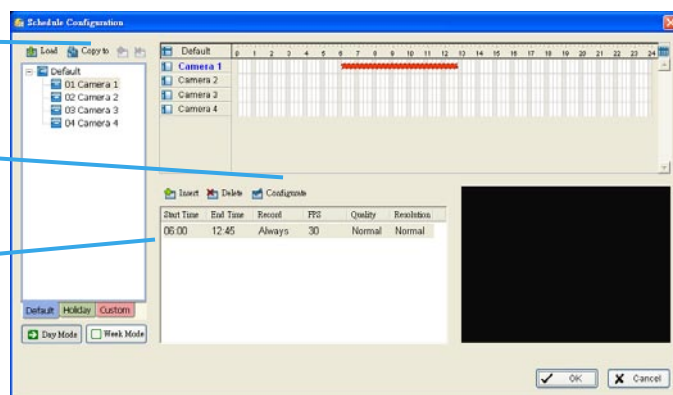
Option 2: Click the Configure icon or double click schedule information on the screen (highlighted in blue), to obtain the Encoding Options panel and change the setting as wished.

Note: The time schedule setting is based on 15 minutes.

Copy To

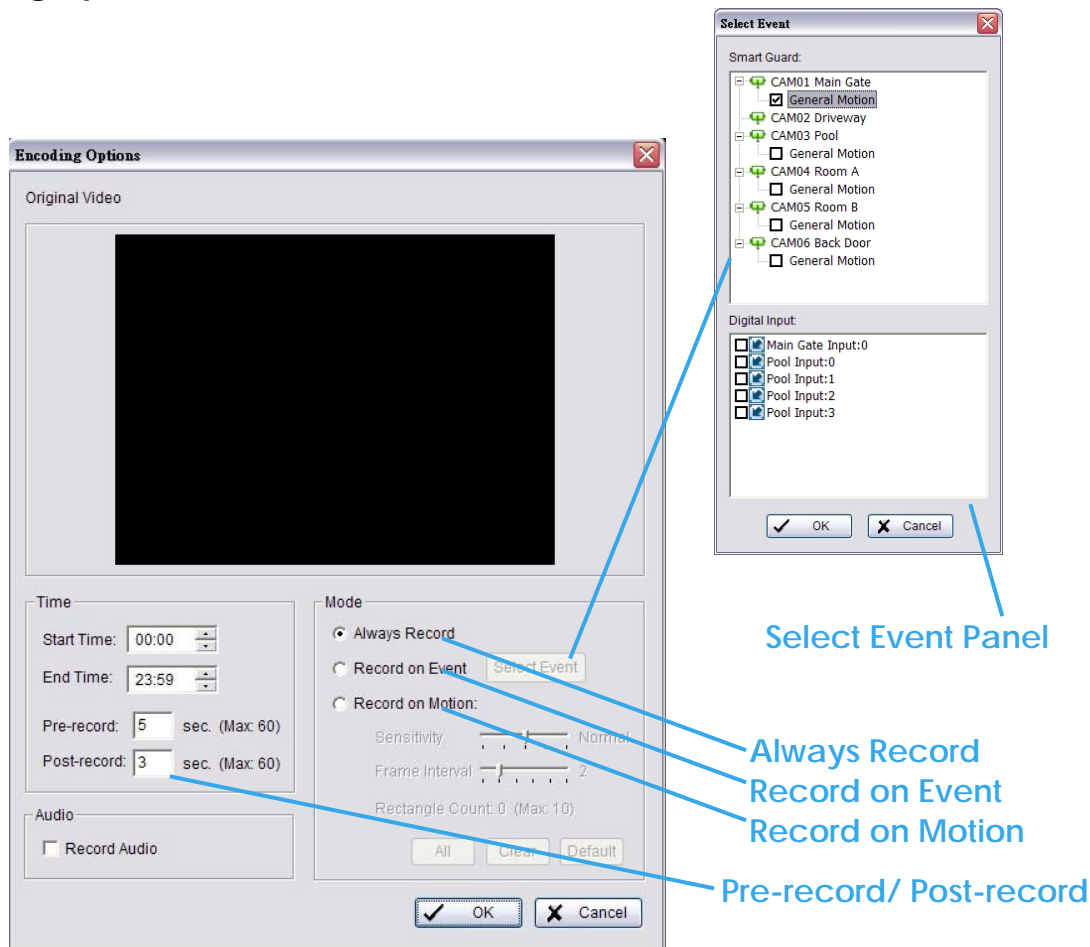
Configure

Schedule information



Configure: Click on the configure icon to obtain the Encoding Option panel.

Guard Encoding Options Panel



Always Record: Select this option to record the video at all time.

Record on Event: Select this option to obtain the Select Event panel. From the Smart Guard/Digital Input list, check the box of the camera(s) that you want to trigger the recording action. Click OK to complete the setting.

***Smart Guard is only in IP CamSecure Pro/Pro Plus/Pro Mega.**

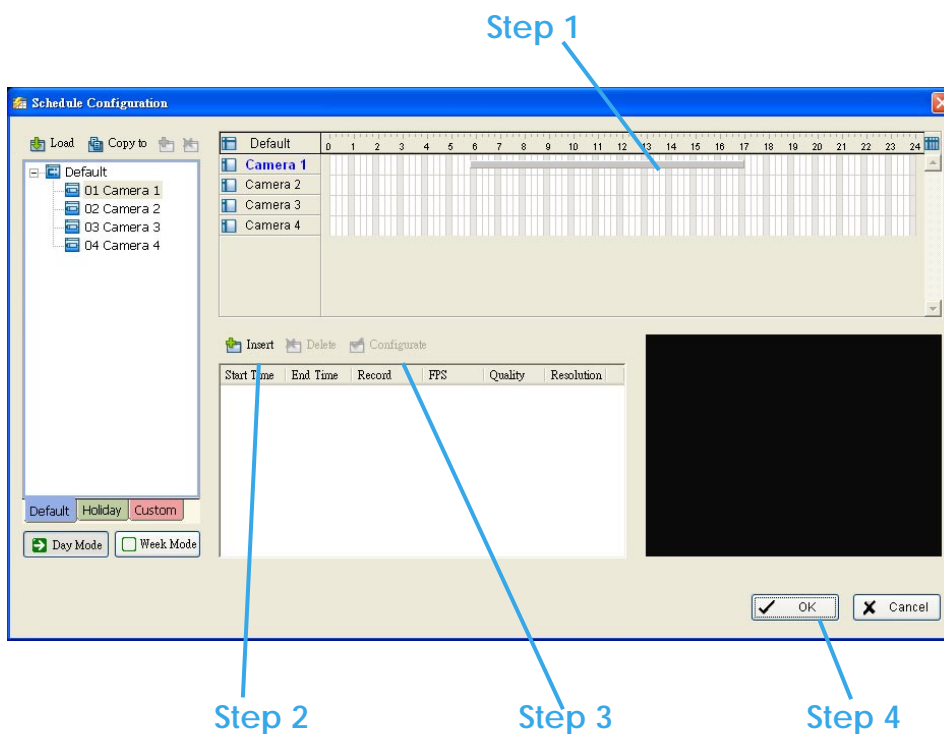
Record on Motion: Select this option to start recording when there are motions detected. You may adjust the sensitivity and the frame interval.

Pre-record/ Post-record Time: The pre-record/ post-record function saves the recording data accordingly. For instance, to set up a 5 second pre-record time means the system will start saving the recording data 5 seconds before the event happens.

Copy To: You may set up the schedule for each channel/camera by repeating the process above, or simply apply the setting of a single camera to all the others.

Guard**To insert a new schedule manually**

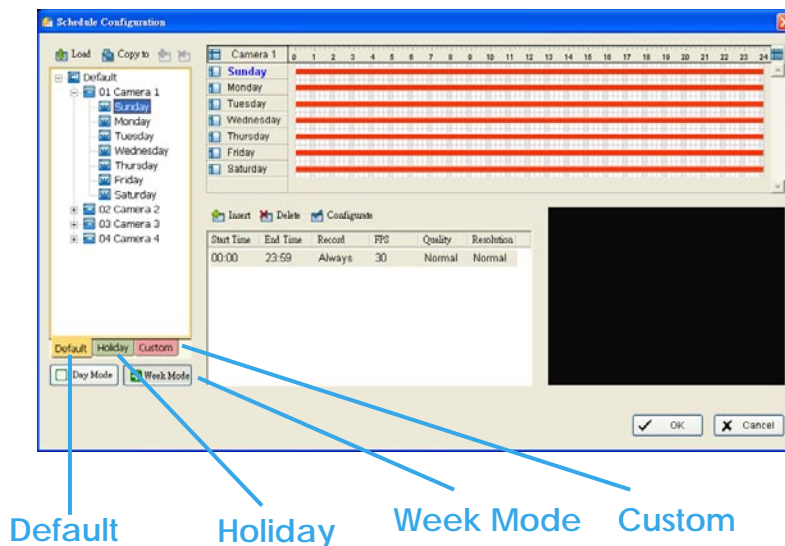
Step 1: Left-click and draw the length you want on time table. The scheduled time will show as a grey bar.



Step 2: Click on the Insert icon and add a new schedule with the setting of Regular Mode, that is, to record video during the time period you set with 30 FPS, Normal video quality and Normal resolution.

Step 3: Change the setting if you want, by click on the Configure icon or double click the schedule information.

Step 4: Click OK.



Week Mode: Schedule the cameras for each day of the week differently. Besides that, you may appoint extra holidays in Week Mode.

Default: Follow the same process to setup the schedule for every day in a week.

Holiday: You may appoint Holiday(s) on which the system will work as the setting of Sunday.

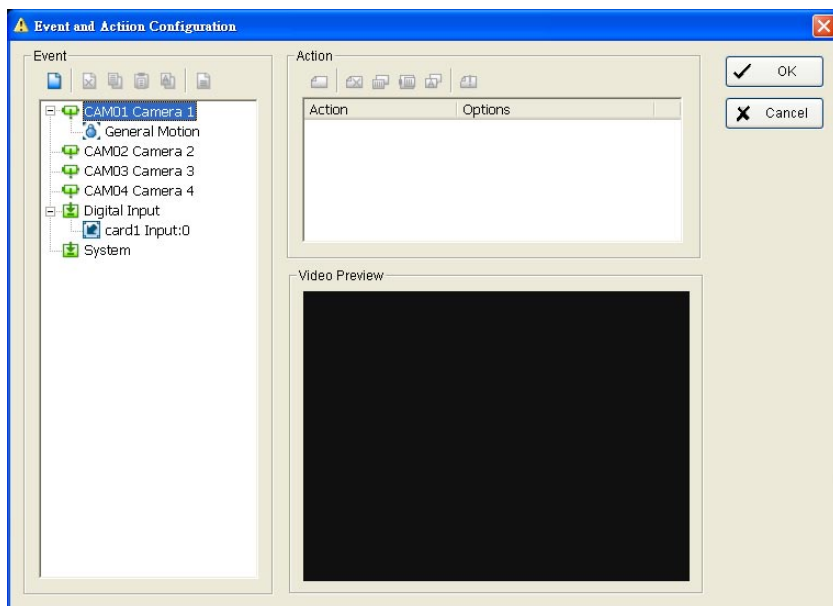
Custom: Or you can appoint a particular date(s) on which the system will work on a special schedule different from the others.

To insert a new schedule manually

You can also setup schedules manually in Week Mode by following the same process as in Day Mode.

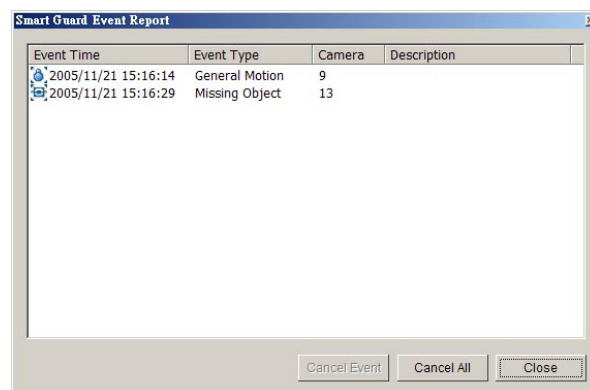
Guard

***Guard is only in IP CamSecure Pro/Pro Plus/Pro Mega.**

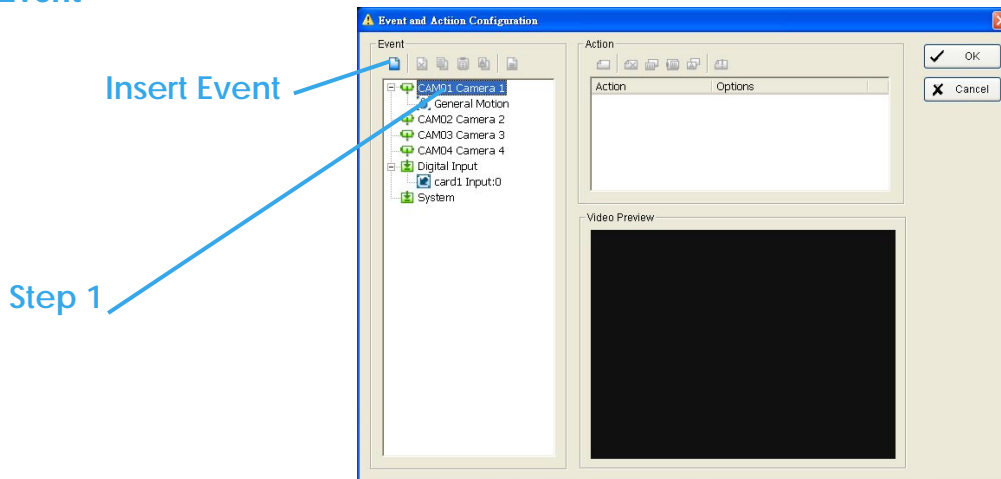


Click on the Guard bottom on the Main Console and start Event and Action Configuration panel. You need to assign an event you want to detect and then set up an action with which the system will react when the assigned event is detected.

Crystal Ball: Indicates the working status of the system. In blue color rolling when system is recording ; in red when event detected. When the Crystal Ball is red, click it can you can cancel event(s).



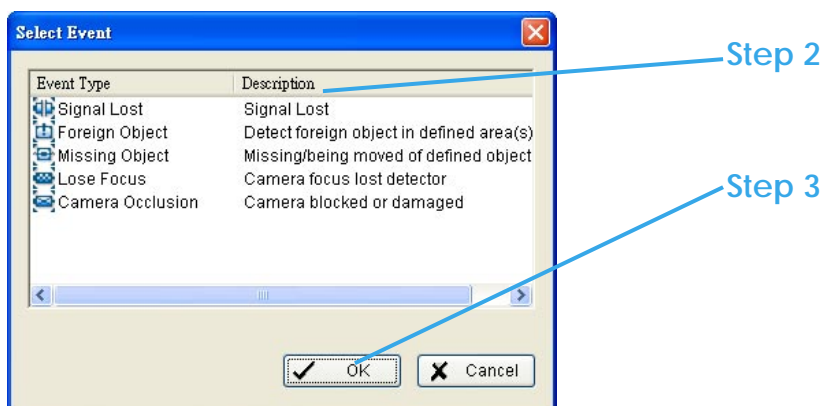
Event



There are three sources of events: Camera (video image), Digital input (device that connected to you PC) and System (condition of your hardware). You can assign multiple events by following the instruction below.

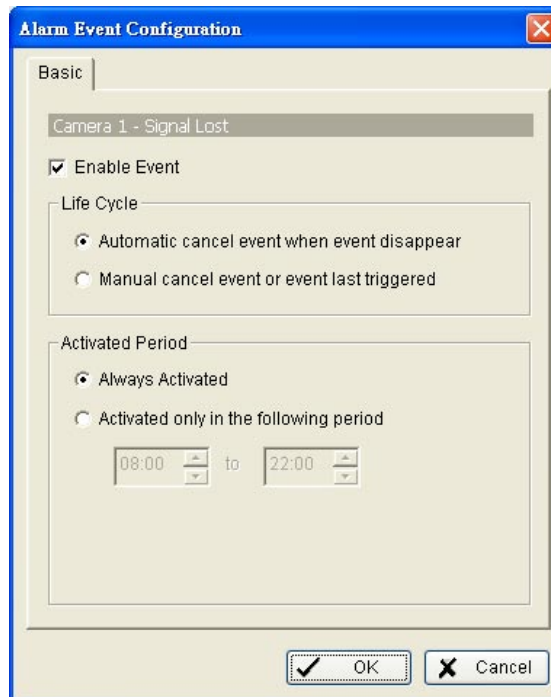
Assign a Camera event

Step 1: Choose a channel from cameras and click the Insert Event icon.



Step 2: There are 6 types of events, Signal Lost, General Motion, Foreign Object, Missing Object, Lose Focus and Camera Occlusion. Select the event you want on Event Type list and then click OK.

Step 3: Configure the setting of the Event Type. See the following instruction.

Guard**Event - Signal Lost****Basic**

Enable Event: Check the box to activate.

Life Cycle

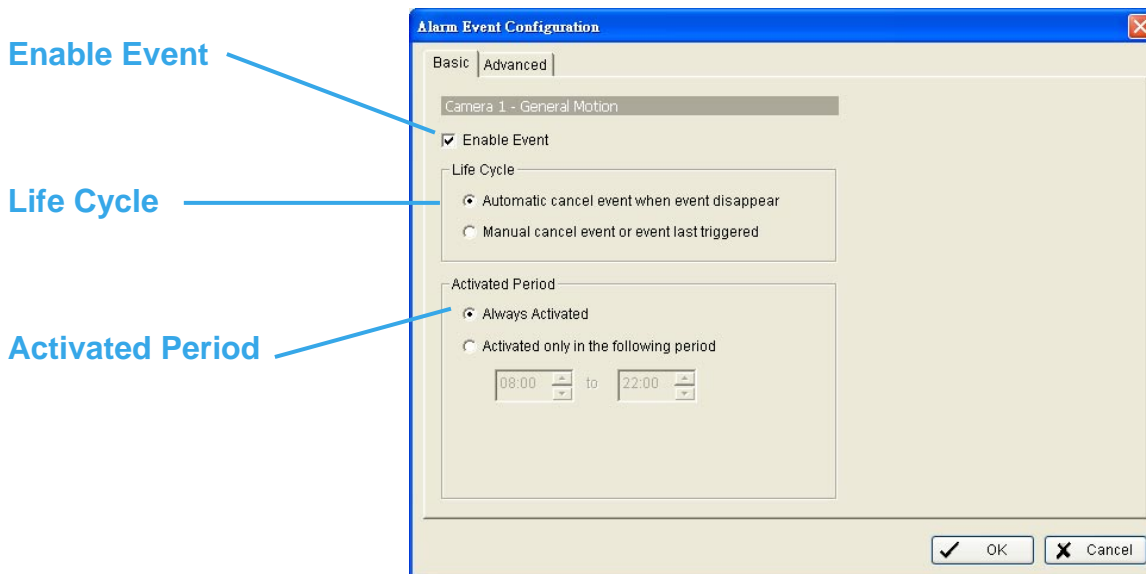
Automatic cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manual cancel event or event last triggered: The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

Activated Period: You can set the system to react during certain time period; for example, office hours.

Guard Event - General Motion

Detect any movement in the defined detection zone.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

Automatic cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manual cancel event or event last triggered: The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

Activated Period: You can set the system to react during certain time period; for example, office hours.

Guard

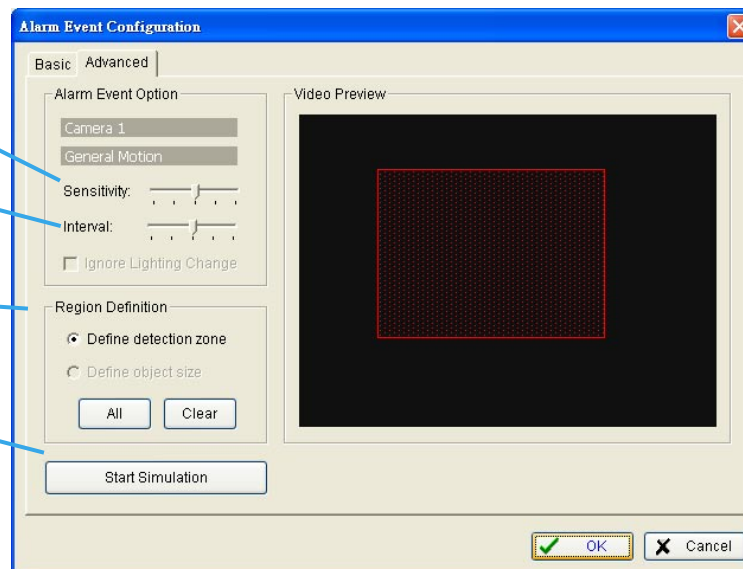
Event - General Motion

Sensitivity

Interval

Region Definition

Start Simulation



Advanced setting

Sensitivity: Click and move the control bar to the right to increase sensitivity, that is, a relatively small movement will trigger the alarm. Move to the left to reduce the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the movement lasts longer. Move to the left to reduce the interval time.

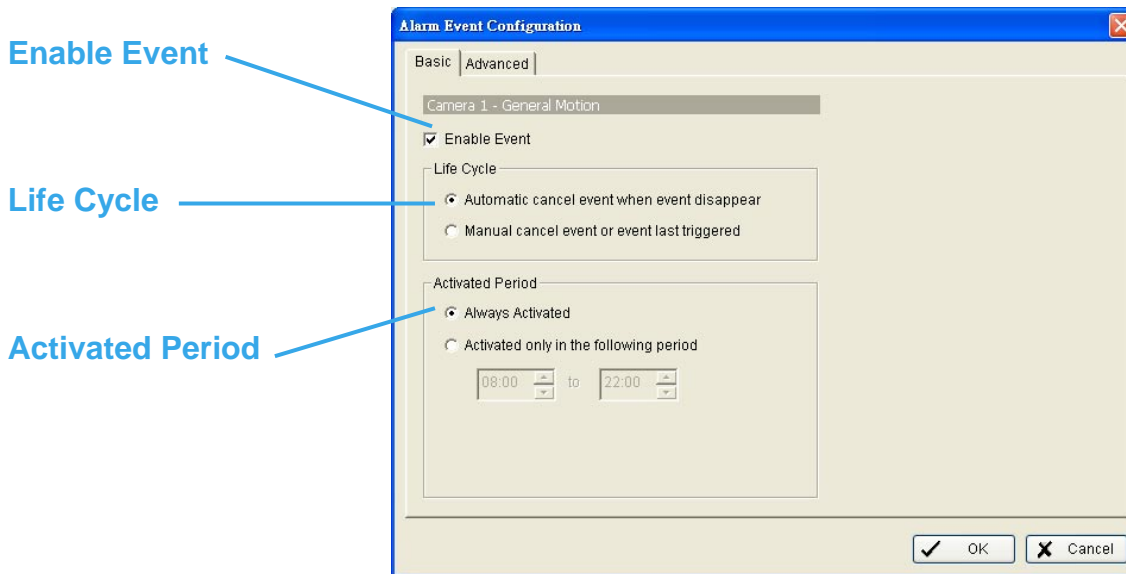
Region Definition: To detect General Motion, you have to define a detection zone. Left-click and drag, and draw a detection zone. You may define more than one zone on the screen by repeat the process.

Start Simulation: Click Start Simulation bottom and test the function on the preview screen.

Guard

Event - Foreign Object

Alarm will be set off when an object appears in the defined area on the screen.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

Automatic cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manual cancel event or event last triggered: The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

Activated Period: You can set the system to react during certain time period; for example, office hours.

Guard Event - Foreign Object

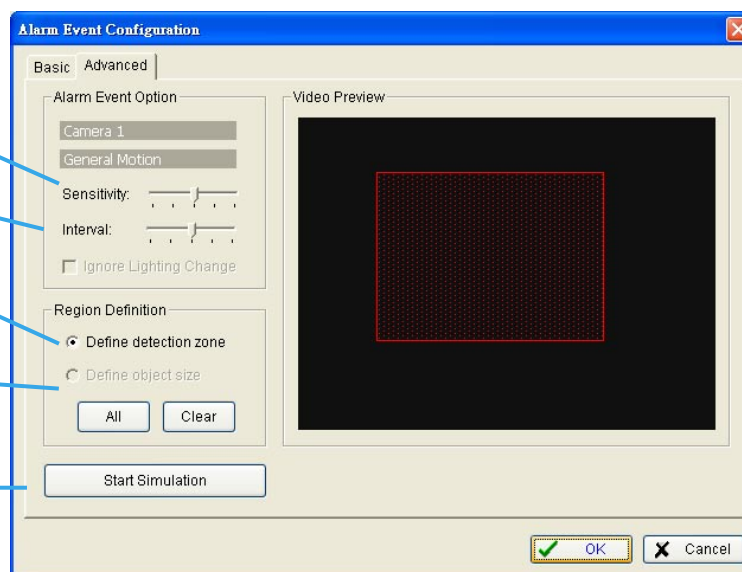
Sensitivity

Interval

Region Definition

Define object size

Start Simulation



Advanced setting

Sensitivity: Click and move the control bar to the right to increase sensitivity, that is, a relatively small movement will trigger the alarm. Move to the left to reduce the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the movement lasts longer. Move to the left to reduce the interval time.

Region Definition: Region Definition: To detect Foreign Object, you have to define a detection zone and define the size of the object you want to detect. Left-click and drag, and draw the detection zone (Region 1).

After defining detection zone, check the dot right beside Define object size, and then left-click and drag and draw an area of the size of object you want to detect.

Guard

Event - Foreign Object

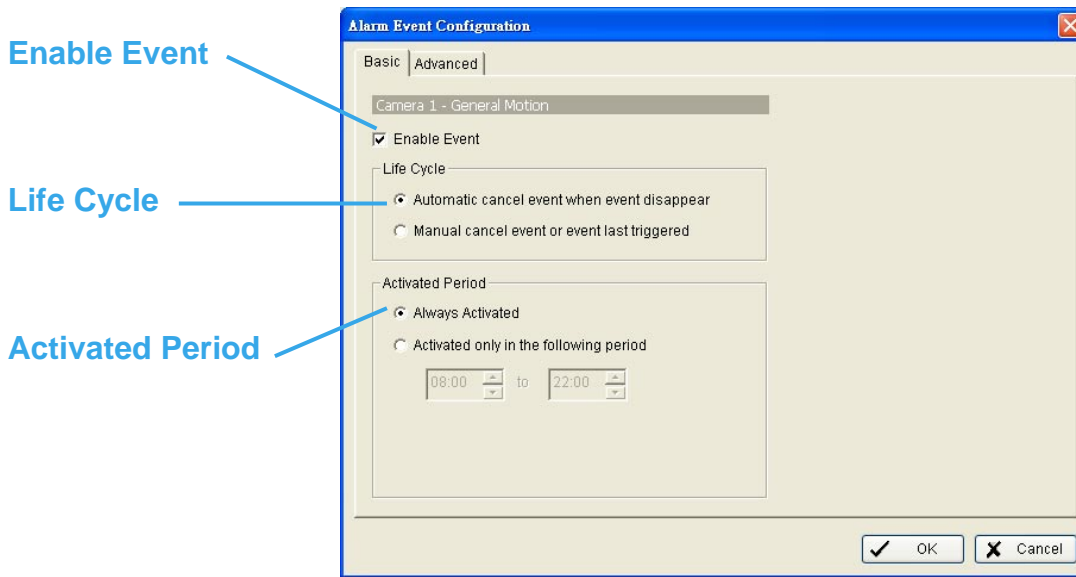
Hint: For example, if you want to prevent somebody leaving a briefcase in a hallway, you may put a briefcase in the hallway where the camera is aiming on. On the screen of the camera, draw an area fit the size of the briefcase and define it as the object size; and then remove the briefcase before activate Smart Guard function on Main Console. The system will consider everything in the screen is normal when you click Start to activate monitor function.

Start Simulation: Click Start Simulation bottom and test the function on the preview screen.

Guard

Event - Missing Object

Alarm will be set off when an object disappears in the defined area on the screen.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

Automatic cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manual cancel event or event last triggered: The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

Activated Period: You can set the system to react during certain time period; for example, office hours.

Guard Event - Missing Object

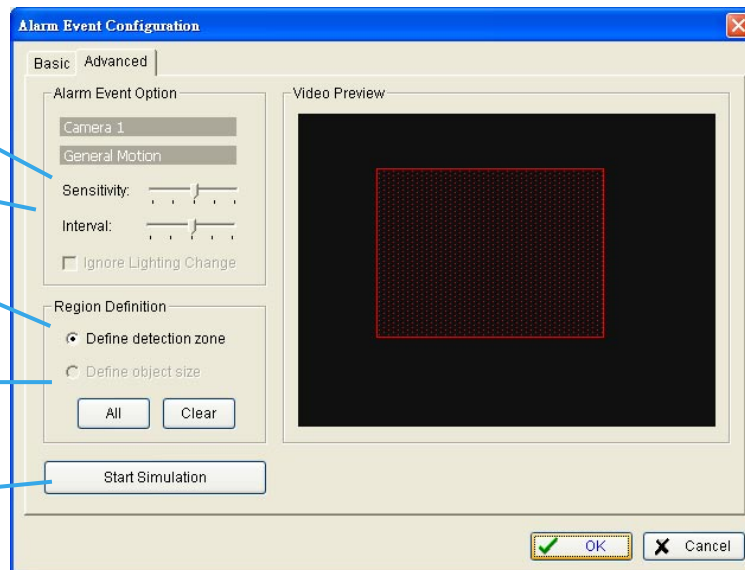
Sensitivity

Interval

Region Definition

Define object size

Start Simulation



Advanced setting

Sensitivity: Click and move the control bar to the right to increase sensitivity, that is, a relatively small movement will trigger the alarm. Move to the left to reduce the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

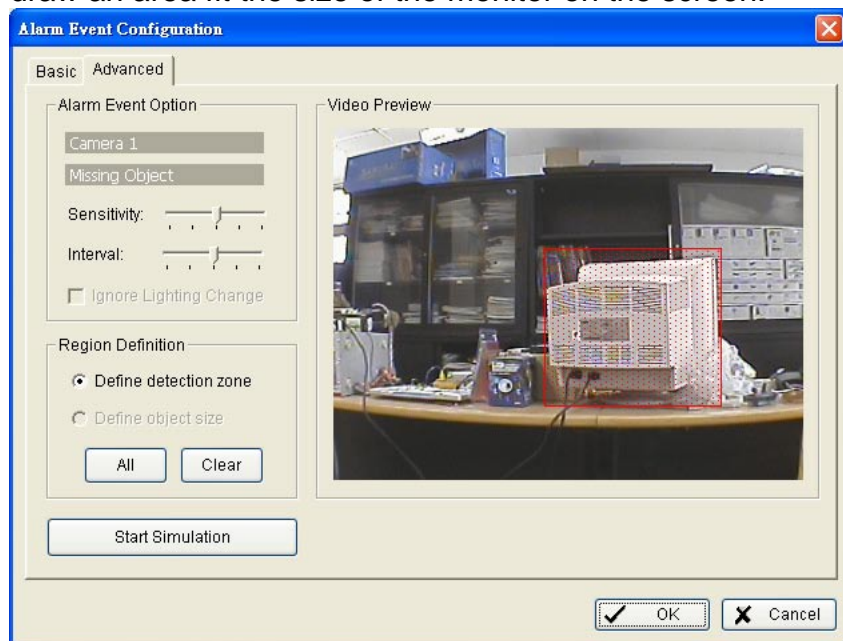
Interval: Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the movement lasts longer. Move to the left to reduce the interval time.

Region Definition: Region Definition: To detect Foreign Object, you have to define a detection zone and define the size of the object you want to detect. Left-click and drag, and draw the detection zone (Region 1).

After defining detection zone, check the dot right beside Define object size, and then left-click and drag and draw an area of the size of object you want to detect.

Guard**Event - Missing Object**

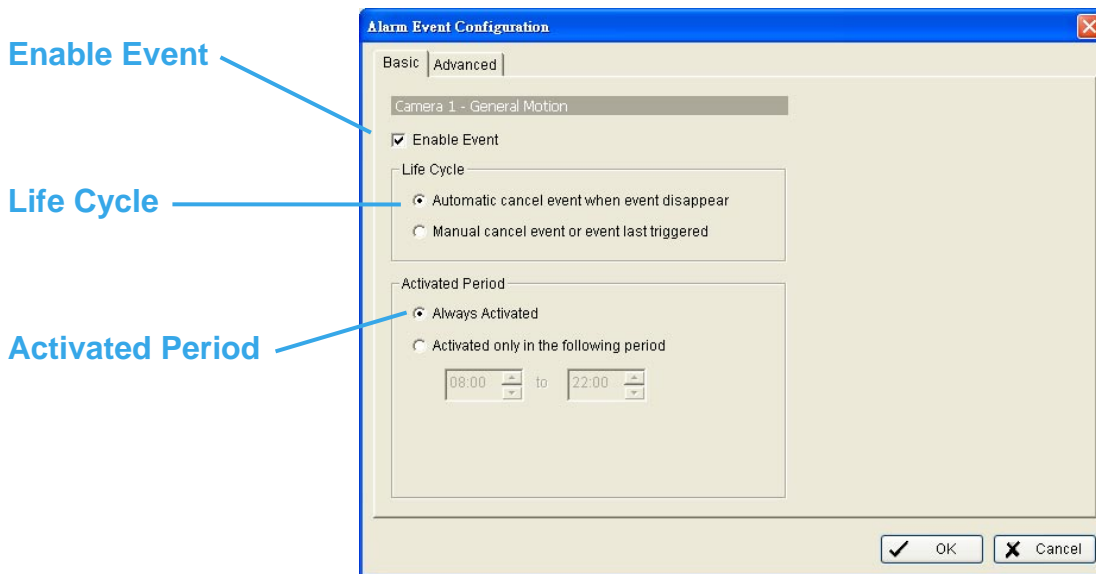
Hint: For example, if you want to prevent somebody remove the computer monitor on the desk; draw an area fit the size of the monitor on the screen.



Start Simulation: Click Start Simulation bottom and test the function on the preview screen.

Guard Event - Lose Focus

Alarms you when any of the camera is losing focus and has blur image.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

Automatic cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manual cancel event or event last triggered: The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

Activated Period: You can set the system to react during certain time period; for example, office hours.

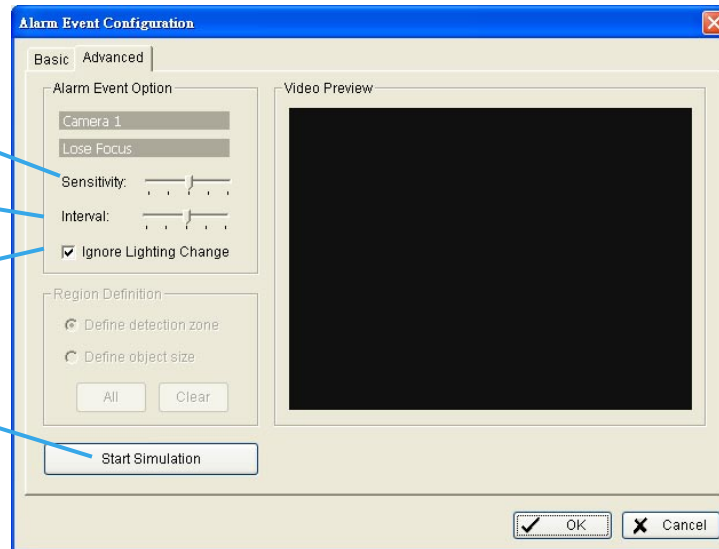
Guard Event - Lose Focus

Sensitivity

Interval

Ignore Lighting

Start Simulation



Advanced setting

Sensitivity: Click and move the control bar to the right to increase sensitivity, that is, a relatively small movement will trigger the alarm. Move to the left to reduce the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

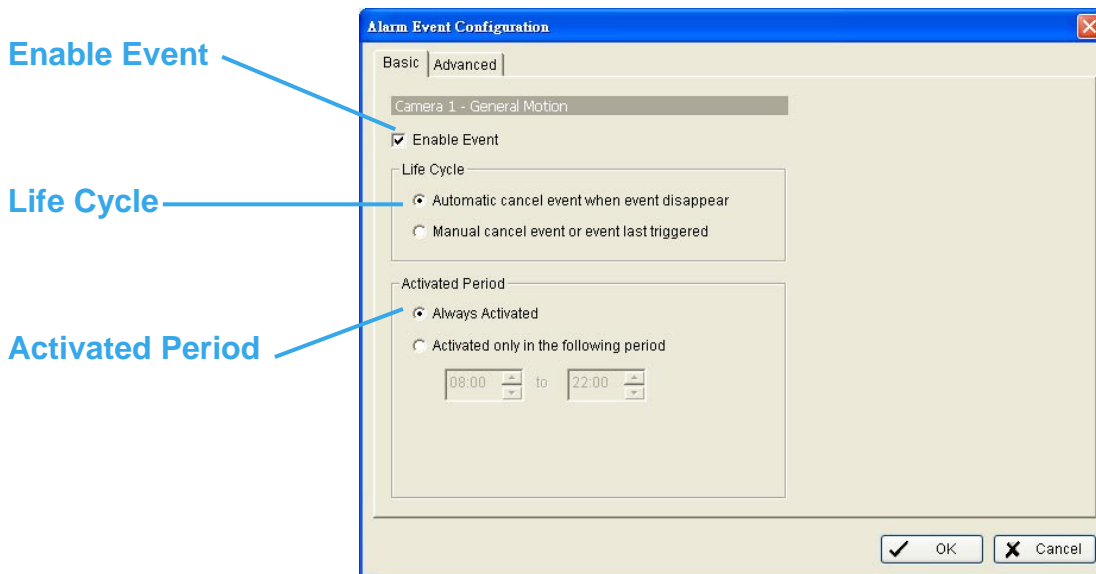
Interval: Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the movement lasts longer. Move to the left to reduce the interval time.

Ignore Lighting: Check the box to avoid alarm being set off by light changing.

Start Simulation: Click Start Simulation bottom and test the function on the preview screen.

Guard**Event - Camera Occlusion**

Alarms you when any of the camera is blocked.

**Basic Setting**

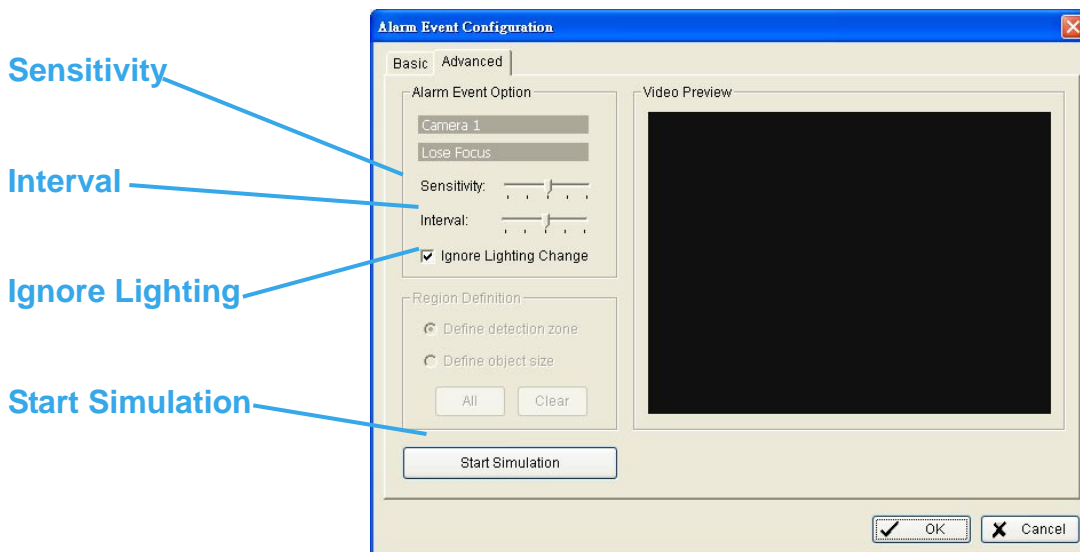
Enable Event: Check the box to activate.

Life Cycle

Automatic cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manual cancel event or event last triggered: The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

Activated Period: You can set the system to react during certain time period; for example, office hours.



Advanced setting

Sensitivity: Click and move the control bar to the right to increase sensitivity, that is, a relatively small movement will trigger the alarm. Move to the left to reduce the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the movement lasts longer. Move to the left to reduce the interval time.

Ignore Lighting: Check the box to avoid alarm being set off by light changing.

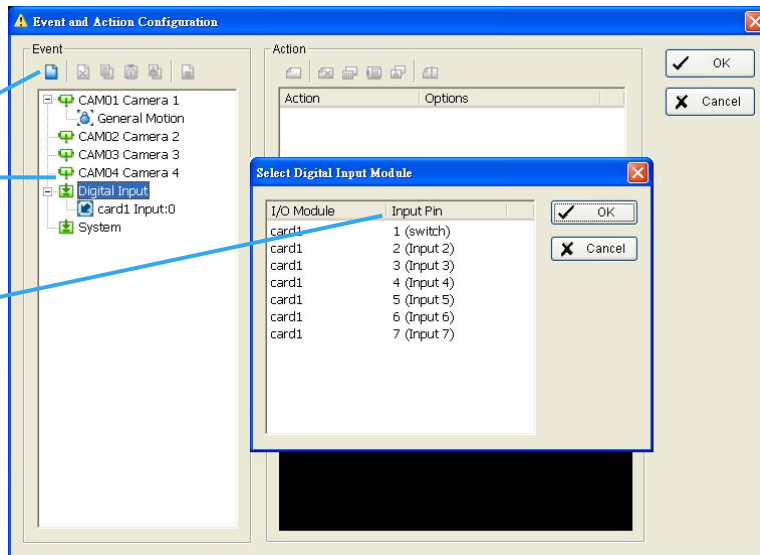
Start Simulation: Click Start Simulation bottom and test the function on the preview screen.

Guard

Event - Digital Input Event

Step 1

Step 2



Step 1: Click and highlight Digital Input on the event type list and click Inset Event icon.

Step 2: Select the device that connected to your system, that is, the PC you are working.

Basic Setting

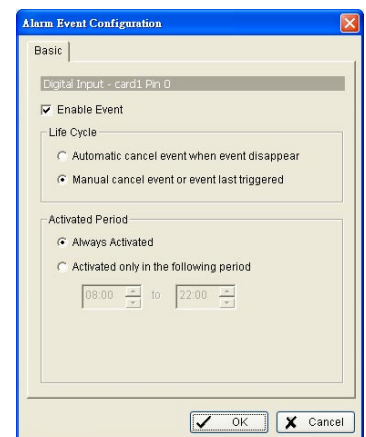
Enable Event: Check the box to activate.

Life Cycle

Automatic cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

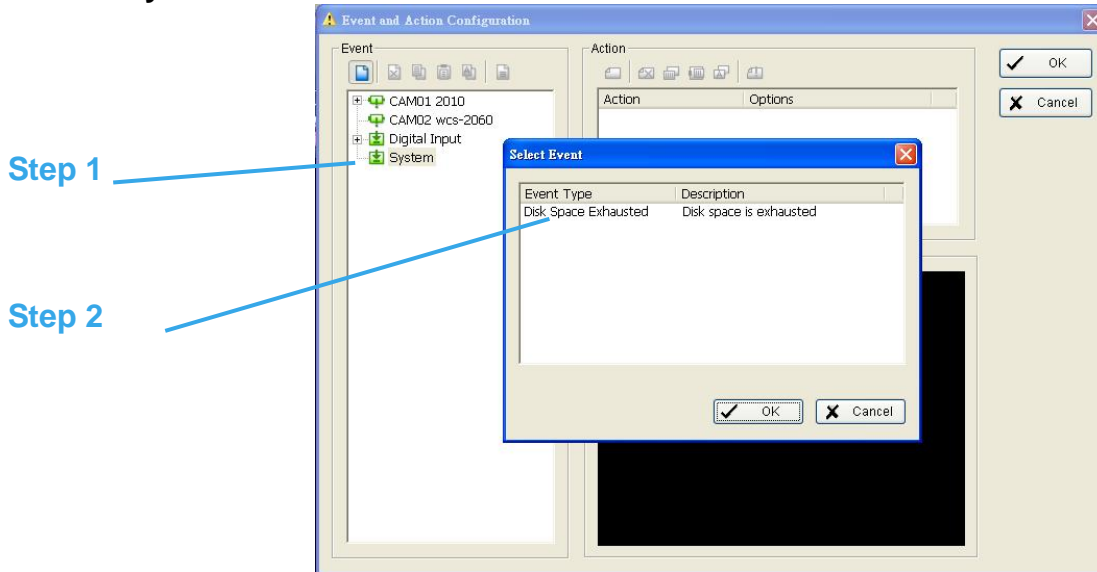
Manual cancel event or event last triggered: The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

Activated Period: You can set the system to react during certain time period; for example, office hours.



Guard

Event - System Event



Step 1: Click and highlight System Event on the event type list and click Inset Event icon.

Step 2: Select the Event Type (Disk Space Exhausted) and then click OK.

Basic Setting: for Disk Space Exhausted

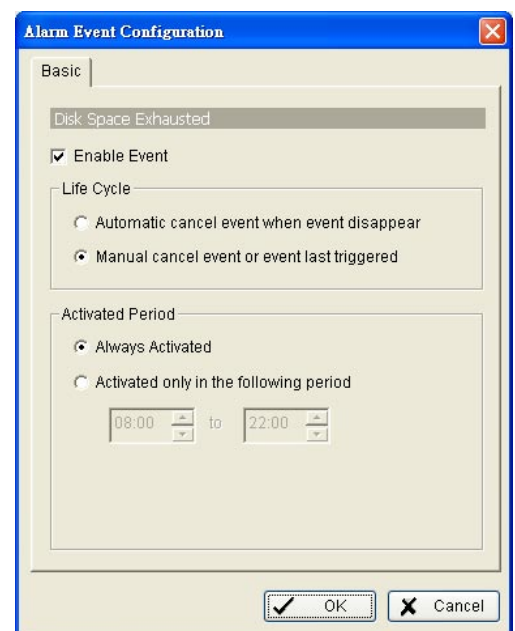
Enable Event: Check the box to activate.

Life Cycle

Automatic cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

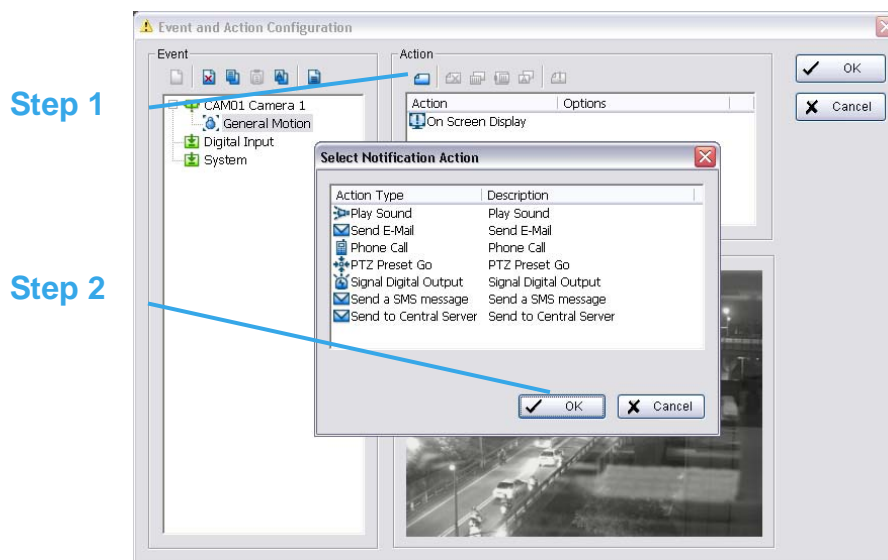
Manual cancel event or event last triggered: The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

Activated Period: You can set the system to react during certain time period; for example, office hours.



Guard**Action**

Insert Action: To setup actions responding to an unusual event.



Step 1: Choose an event and click the “Insert Action” icon.

Step 2: There are 6 types of actions: On Screen Display, Play Sound, Send E-mail, Send SMS Message, PTZ Preset Go and Signal Digital Output. Select the action you want on Action Type list and then click OK.

Step 3: Configure the setting of the Action Type if needed.

Guard**Action - Action Type**

On Screen display: A red warning will be flashing on the screen of Main Console, indicating which type of unusual event is detected.

Play Sound: Sound alarm warning. Choose a Wave file (.wav) and the system will play the sound as alarm when an unusual event is detected.

Send E-mail: The system will send an E-mail immediately to given accounts indicating the type of event, the time, and attaching a picture taken while the event is detected. To give the system the E-mail accounts, go Config > Setup > Hotline. See Config section for detail.

Phone Call: The system will call a given phone number when an unusual event is detected. To setup the phone number and make an audio record for the phone call, go Config > Setup > Hotline. See Config section for detail.

PTZ Preset Go: The PTZ (pan/tilt/zoom) camera will go to a preset point or auto patrol when an unusual event is detected. Please follow below steps to setup this function.

Step 1: Choose an event and click the "Insert Action" icon.

Step 2: Select the "PTZ Preset Go" action and then click OK.

Step 3: Set the action of cameras which you want to be trigger by events.

For example:

Set the action of camera 1:

1. Choose camera 1.
2. Set the start and end preset points.
3. Select the Life Cycle.
4. Click on Add.

Set the action of camera 2:

5. Choose camera 2.
6. Set the start patrol and end patrol.
7. Select the Life cycle
8. Click on Add.
9. Finally click on Ok to save all setting of cameras.

Note: You need to configure your PTZ camera before using this function.

Signal Digital Output: Triggers traditional alarming devices that connect to the system, such as alarm lights and sirens.

Send a SMS message: The system will send a SMS message immediately to given accounts indicating the type of event, the time. To give the system the GSM modem, go to Config > Setup > Hotline. See Configuration section for detail.

Send to Central Server: The system will send an Event to Central Server. The detail please refers the user manual of Central Management System.

Configuration

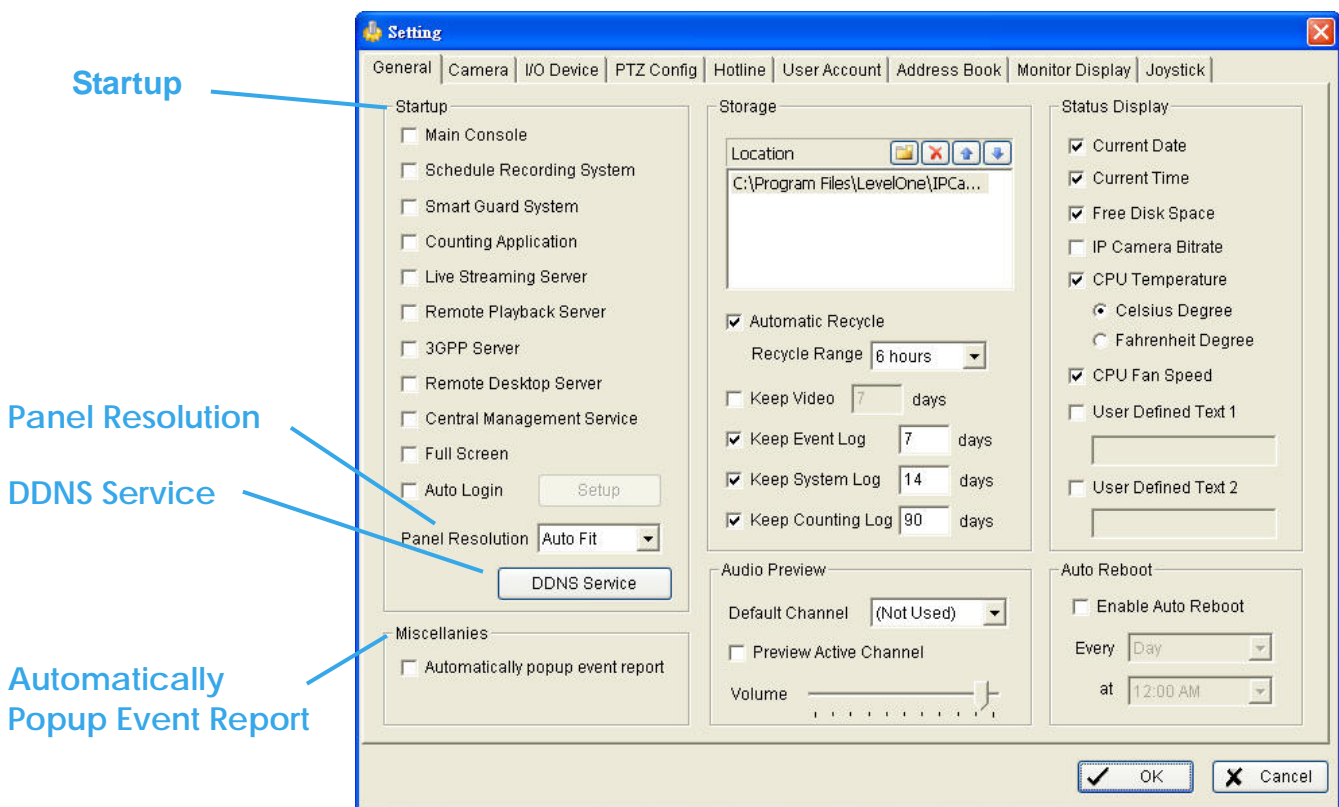


- Setting
 - Save/Load Configuration ▶
- Counting Application
- Log Viewer
- Backup
- Network Service
- About MainConsole...

Config

Modify the setting and access counting application, log viewer, backup, and network services. Click on the Config icon, select from the drop-down menu and open the Configuration panel.

Config Setting – General



Startup: Check the box and activate the functions as the system starts. You may start/stop the function in Monitor panel on the Main Console.

Panel Resolution: Set up the resolution of the control panel. You may select Auto Fit to have the system choose the best one for you.

DDNS Service: Dynamic Domain Name Server (DDNS) function allows you to monitor with IP cameras even if you have a dynamic IP address.

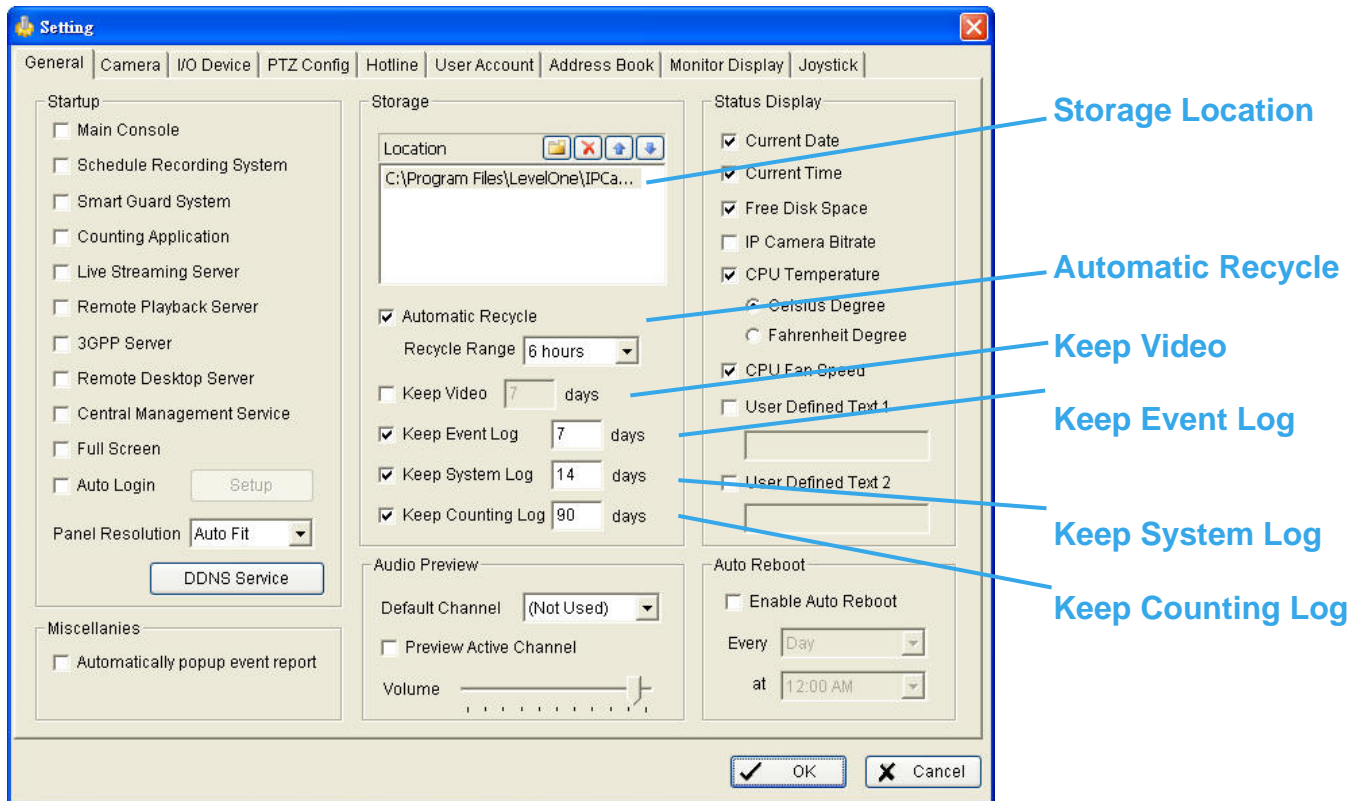
Click on the DDNS button to obtain the Dynamic DNS Setup panel. Set up the DDNS function by selecting the provider type, filling in user name, password and hostname, and adjusting the update period.

***DDNS Service is only in IP CamSecure Pro/Pro Plus/Pro Mega.**



Automatically Popup Event Report: Check the box to receive popup reports when there are events detected. Make sure to stop Smart Guard System before you modify the setting, otherwise the modification will not

Config Setting – General



Storage Location: Assign the path and folder in which the system saves the files.

Automatic Recycle: The system will automatically delete the oldest file when the storage space is low.

Automatic Recycle: The system will automatically delete out-dated data and save storage space.

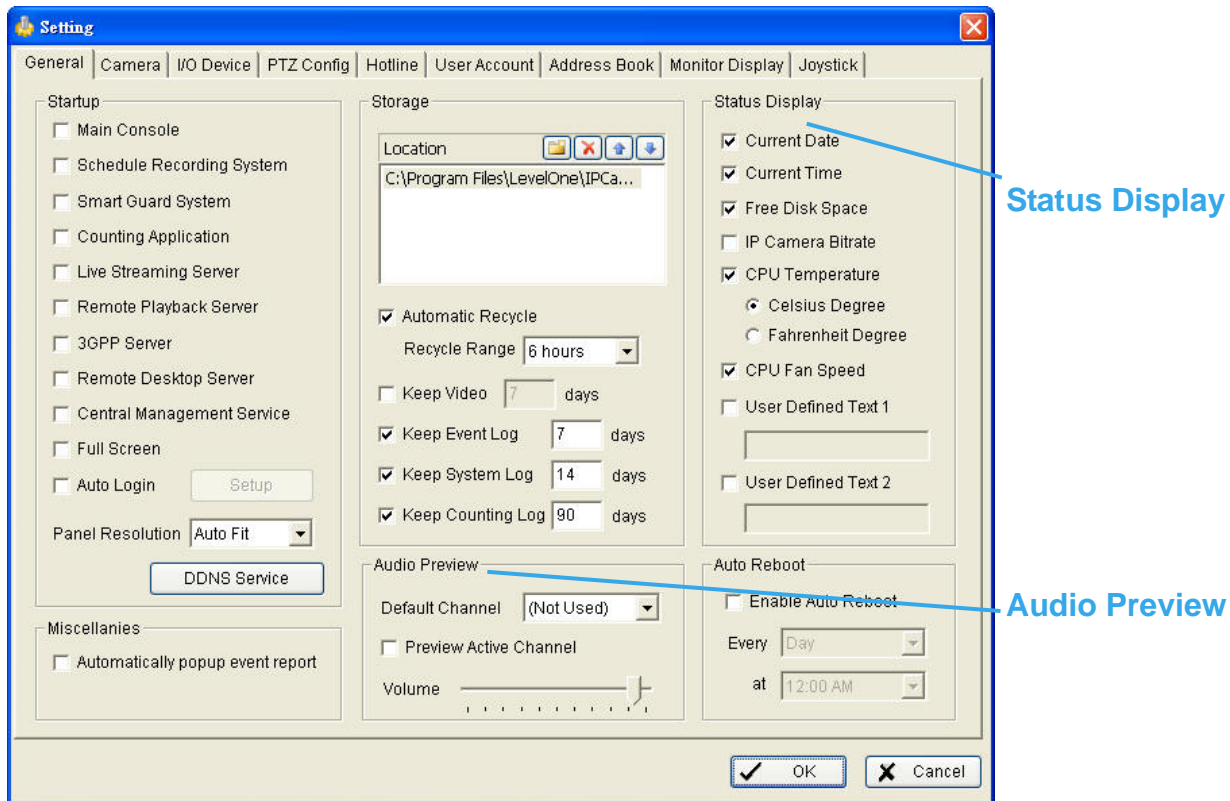
Keep Video: Deletes the video records older than the number of days set.

Keep Event Log: Deletes the event log data older than the number of days set.

Keep System Log: Deletes the system log data older than the number of days set.

Keep Counting Log: Deletes the counting application data older than the number of days set.

Config Setting – General



Audio Preview: Assign the audio channel to preview and the sound volume.

Status Display: Select which information you want to show on the information-display on Main Console.



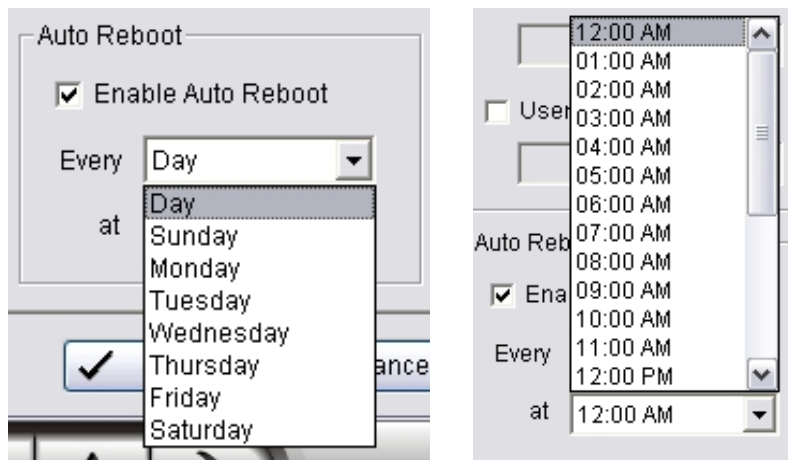
Config

Auto Reboot

Check the option of “ Enable Auto Reboot ” that you can reboot the system on the time you select.

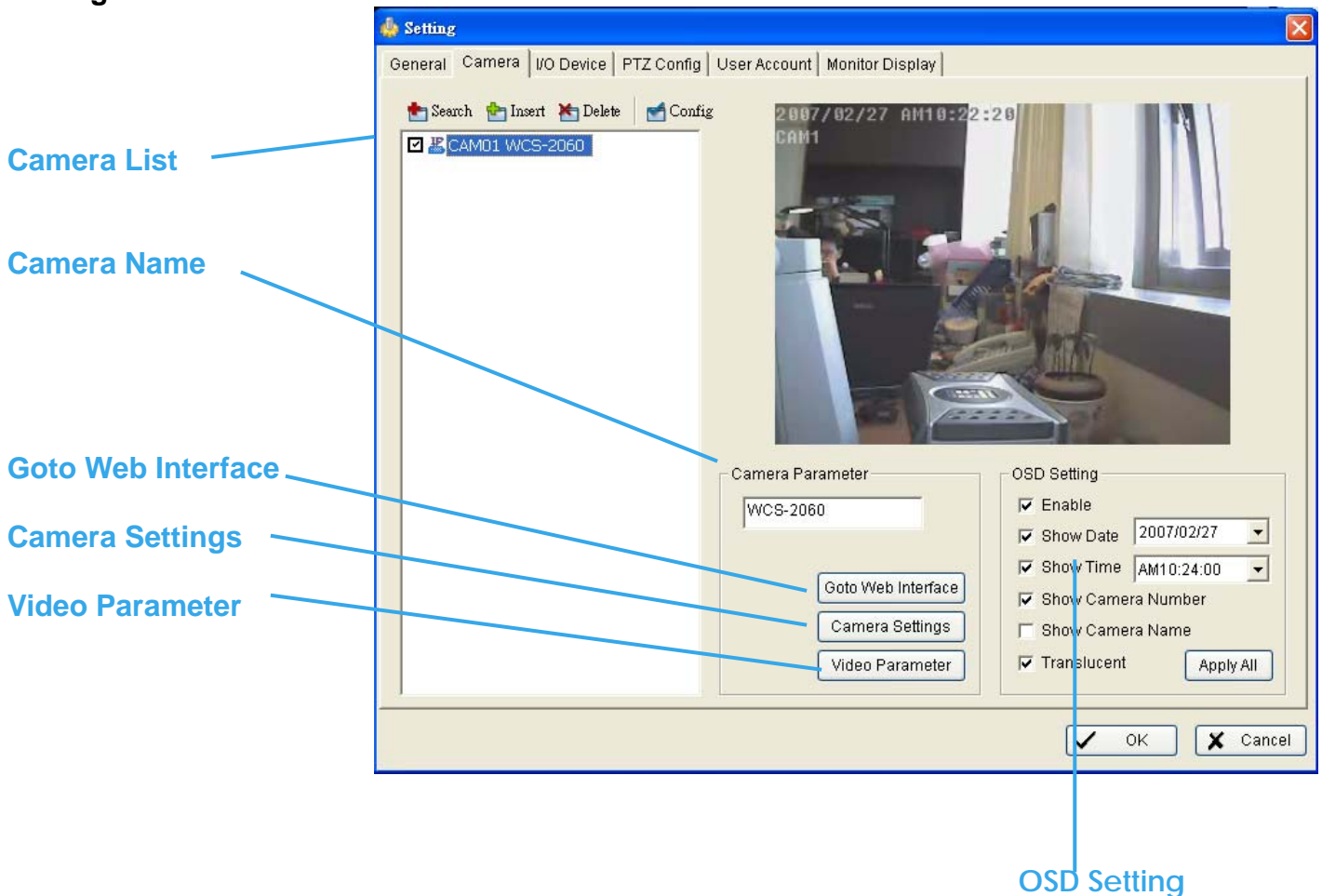
Step 1: Check the option of “ Enable Auto Reboot. ”

Step 2: Select the time you want to reboot.



Config

Setting - Camera



Camera List: The camera(s) connected to the system will show on the panel, click the name of the camera to adjust the setting.

Camera Name: Name the camera for your convenience.

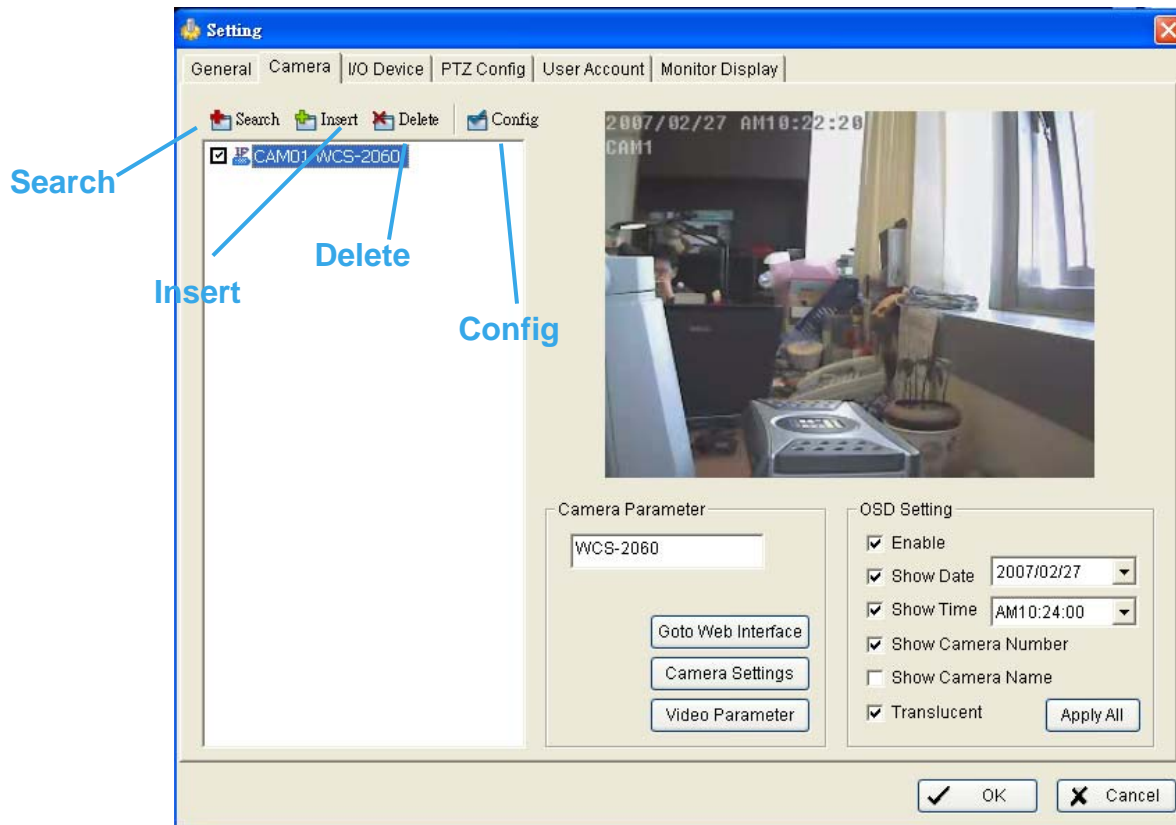
Goto Web Interface: Go to Website interface to configure the camera setting.

Camera Setting: Adjust the camera parameters in the camera setting dialog.

Video Parameter: Adjusts the video's brightness, contrast, saturation, and color hue values.

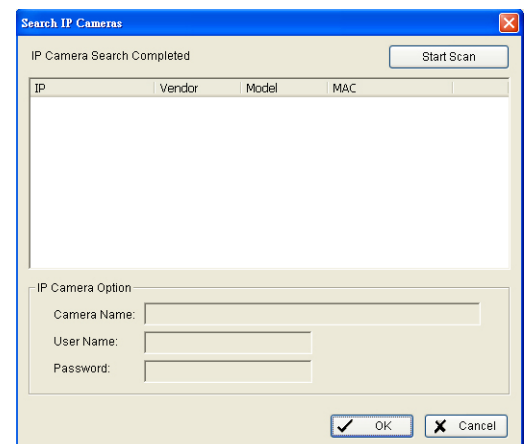
OSD Setting: Select what you want to put in the On Screen Display, showing on the sub-screen of the camera.

Config Setting - IP Camera



Search: Click on the Search icon to obtain the Search IP Camera panel. The system will start scanning automatically once the panel is opened; feel free to stop scanning by clicking on the Stop Scan button.

Fill in the user name and password for each IP camera found and click OK to add it to the camera list.



Insert: Click on the Insert icon to obtain the IP/Video Server Setting panel and add IP cameras to the list.

Delete: Click on the delete button to remove the selected IP camera(s) from the system. Click OK to finalize the modification.

Config: Click on the Config button to obtain the IP/Video Server Setting panel. You can modify the IP camera settings with the Setting panel.

Config Setting - IP Camera

IP/Video Server Setting panel

The image shows a software window titled "IP Camera / Video Server Setting". It is divided into three main sections: "Network", "Device", and "Description".

- Network Section:** Contains fields for "Name:", "IP Address:", "Http Port:" (set to 80), "User Name:", and "Password:". There is a checkbox for "Use DNS" and a "Protocol:" section with radio buttons for "TCP", "UDP" (selected), and "HTTP".
- Device Section:** Contains a "Vendor:" dropdown menu (set to "LevelOne"), an "Auto Detect" button, a "Camera Model:" dropdown menu (set to "WCS-2040"), and a "Camera:" section with four checkboxes (1, 2, 3, 4), where checkbox 1 is selected.
- Description Section:** Displays read-only information: "Video Codec: MJPEG MPEG4", "Audio Codec: G.722.1 G.729A AAC", and "Camera:1, DI:1, DO:1".

At the bottom of the window are "OK" and "Cancel" buttons. Blue arrows point from the labels "Network", "Device", and "Description" to their respective sections in the dialog box.

Network: Fill up the Network field (including Name, IP Address, Http Port, User Name, Password and Protocol) referring to the instruction provided by the manufacturer. Check "Use DNS" to use domain name instead of IP address.

Device: Choose the manufacturer of the IP camera from the pull-down menu. Click on "Auto Detect" and the model name will be shown in the box.

Description: Shows information of the IP camera.

Config Setting – IP Camera

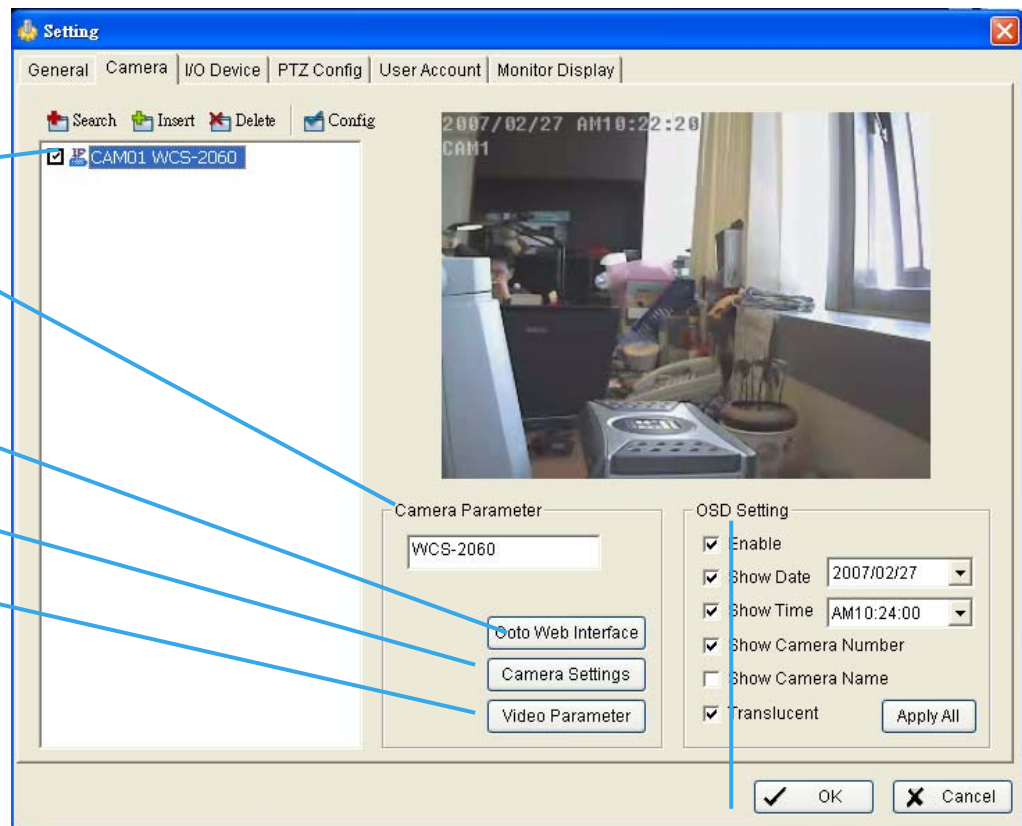
Camera List

Camera Name

Goto Web Interface

Camera Settings

Video Parameter



OSD Setting

Camera List: The camera(s) connected to the system will show on the panel, click the name of the camera to adjust the setting.

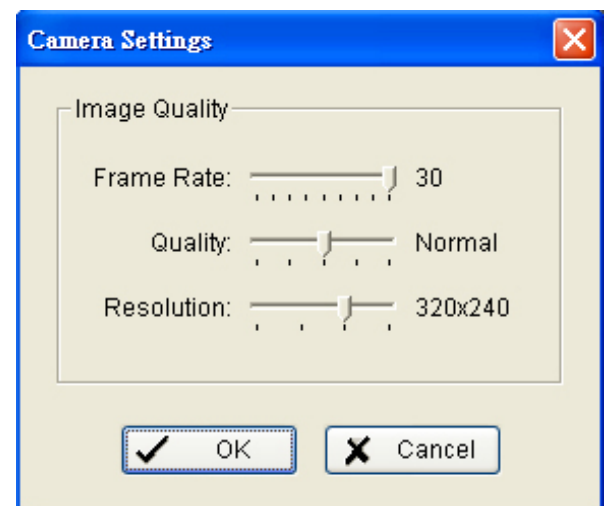
Camera Name: Name the camera for your convenience.

Goto Web Interface: Go to website interface to configure the camera setting.

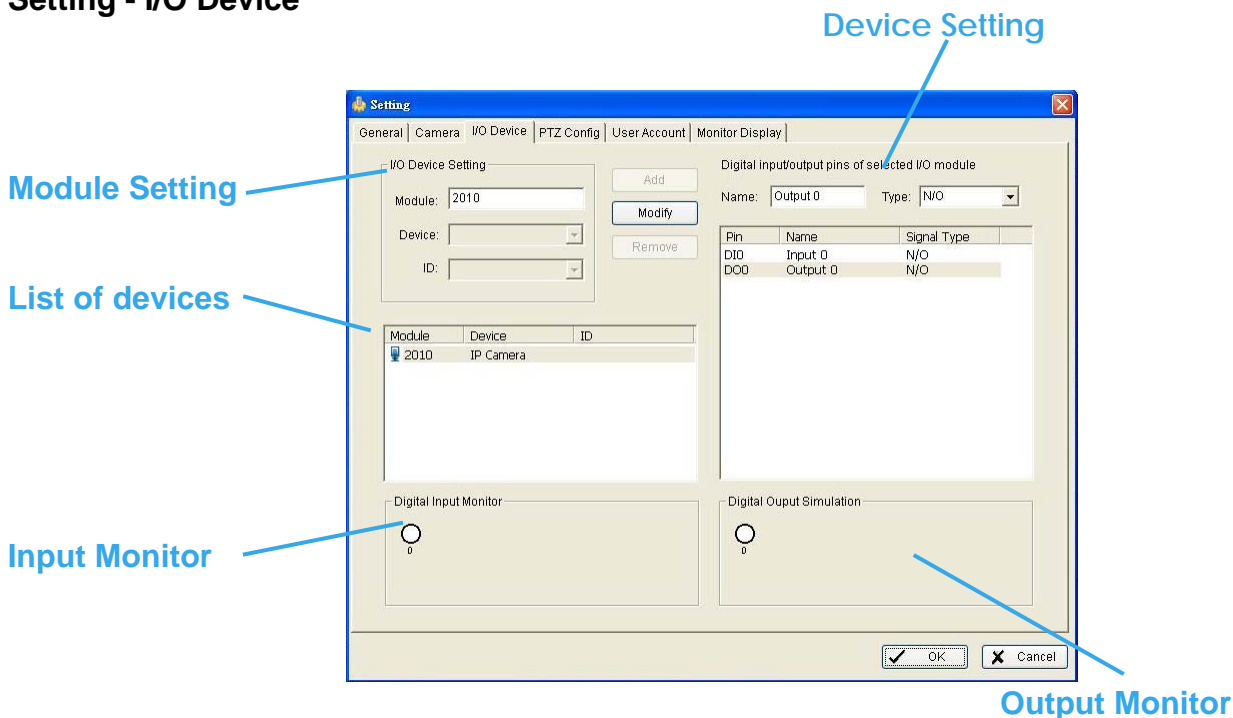
Camera Settings: Set the camera parameter offered by camera vendor.

Video Parameter: Adjusts the video's brightness, contrast, saturation, and color hue values.

OSD Setting: Select the information that you wish to see in the on-screen display, or the sub-screen of the camera.



Config Setting - I/O Device



Module Setting: Name the module device and ID that has been connecting the digital input/output device(s) to your system.

Device: This column displays the device(s) already installed to the system.

ID: Select the number of the I/O port to which you plug the ribbon cable.

Input Monitor: The device(s) is turned on if the dot is in red. By triggering the digital input device, the related icon will light up. This is used to check if the device is correctly connected or not.

Output Monitor: The device(s) is turned on if the dot is in red. By clicking on the icon, you may trigger the digital device connecting to the system. This can be used to test if the output device is correctly connected.

Device Setting

Name: Insert the name of the device (input and output).

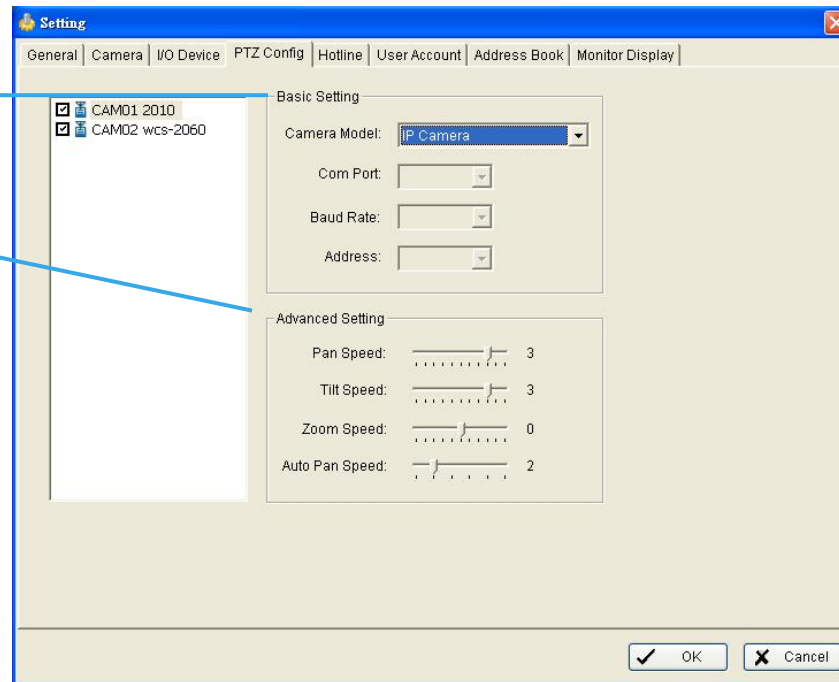
Type: Select the device type from the drop-down menu. **N/O** represents that the digital signal is on in normal condition; **N/C** represents that the signal is off in normal condition.

Config

Setting - PTZ Config

Basic Setting

Advanced Setting



Install the PTZ camera following the instruction of the manufacturer. The PTZ camera is usually connected to the PC with RS-485/RS-422.

Check the box on the camera list to activate the PTZ control function of a PTZ camera.

Basic Setting: Select the camera model, com port, baud rate, and address according to your PTZ camera.

Advanced Setting: You may setup the pan speed, tilt speed, zoom speed and auto pan speed. Adjust the settings by dragging the bars.

Config Setting – Hotline

***Hotline is only in IP CamSecure Pro/Pro Plus/Pro Mega.**

Configure the settings of hotlines, including E-mail and telephone calls, once an unusual event is detected.

E-mail: Input the following information: server, sender's E-mail address, E-mail's subject title, and body content. You may click on the Send Test Mail button to test the settings.

Telephone: Select the modem that the system is going to dial the info call with, and then insert the phone number.

Note: You may select a Wave format file; it will be played in the phone to alarm the person who picks up the phone call.

* indicates mandatory areas

GSM modem: Select the Port and set Baud Rate of the GSM modem device, then enter PIN code. You can setup the interval of send SMS message and enter the words which you want to send. After all setup, you can click on Test Connection to send test SMS message.

Note: The interval is set to restrict the period of two SMS. If you set as 60 min, the SMS between 60 min would be deleted and didn't send to user.

Config

Setting - User Account

The screenshot shows the 'Setup' window with the 'User Account' tab selected. The window has a blue title bar and a menu bar with 'General', 'Camera', 'I/O Device', 'PTZ Config', 'Hotline', 'User Account', and 'Address Book'. The 'User Account Setting' section on the left includes fields for 'Name:', 'Group:' (a dropdown menu showing 'User'), 'Description:', 'Password:', and 'Password Confirm:'. There is a checkbox for 'Disable User Account' and a 'Privilege:' section with a tree view showing 'Main System' and a list of sub-items: 'Excute Main System', 'Schedule Start/Stop', 'Smart Guard Start/Stop', 'Schedule Setting', 'Smart Guard Setting', 'PTZ Control', 'System Setting', 'Counting Application', 'Live Streaming Server', and 'Remote Playback Server'. Each item has a checkbox. At the bottom of this section are 'Add', 'Delete', and 'Update' buttons. On the right, a table lists existing users:

Name	Group	Description
admin	Admin	Administrator

At the bottom of the window are 'OK' and 'Cancel' buttons.

User Account: The administrator may manage the user accounts here. From the list on the right, highlight each account and modify the privilege setting.

Config

Setting - Address Book


The screenshot shows the 'Setting' window with the 'Address Book' tab selected. The window has a blue title bar and a tabbed interface. The 'Address Book' tab is active, showing a form for adding contact information and a table of existing contacts.

Please input the name and contact information

Name: Phone: E-Mail:

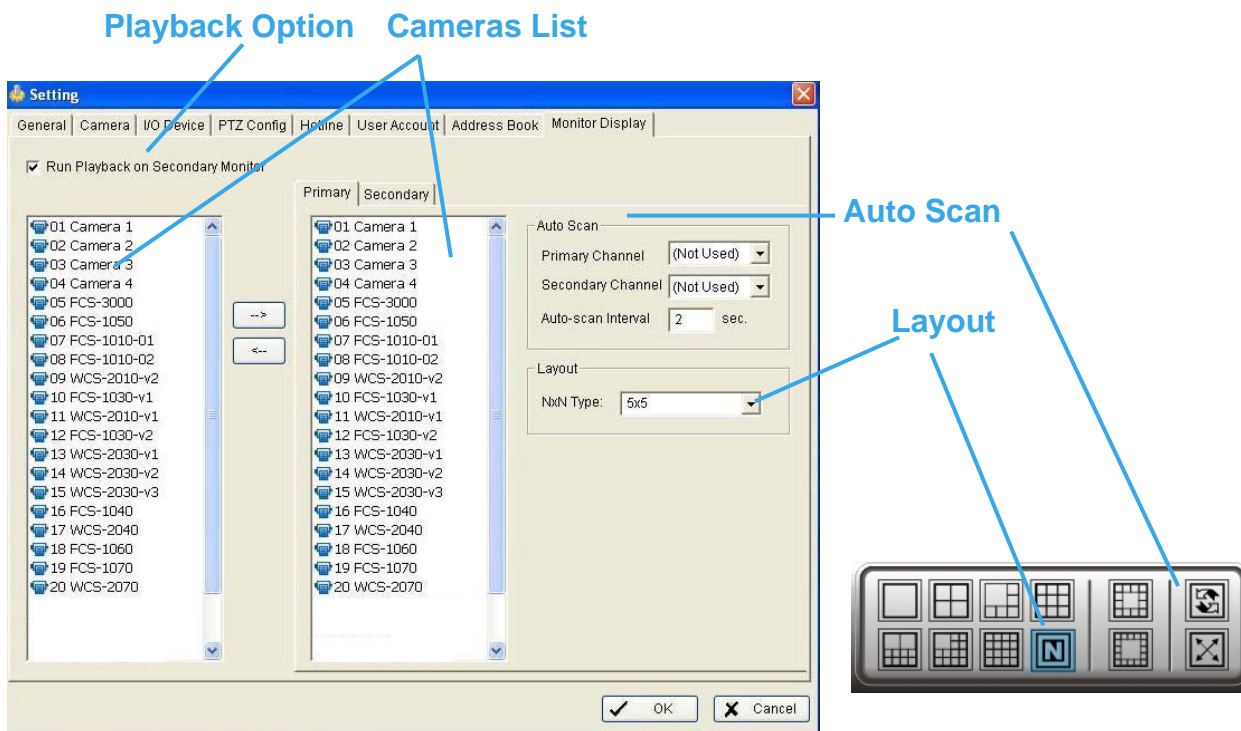
Description:

Contact persons

Name	Phone	E-Mail	Description
 Michael	555-1123125	mike@hotline.com	

***Address Book is only in IP CamSecure Pro/Pro Plus/Pro Mega.**

Address Book: Manage the address book from which you want to give a call or E-mail when an unusual event is detected.



Playback Option: Execute Playback on the secondary monitor by checking the box. Make sure to adjust the display setting of your computer in advance to avoid system error.

Cameras List: The left side displays a list of all cameras; modify the cameras shown on primary/secondary monitor in the right window.

***The dual monitor is only in IP CamSecure Pro/Pro Plus/Pro Mega.**

Auto Scan: Activate auto scan to rotate the channels/ cameras on the display screen.

For instance, you may select to show only 4 sub-screens on the main console while having 16 channels connected to the system. With auto scan function, you will be able to see all 16 channels by turns. You can set up a primary channel that will always be on the screen and a secondary channel that has secondary priority.

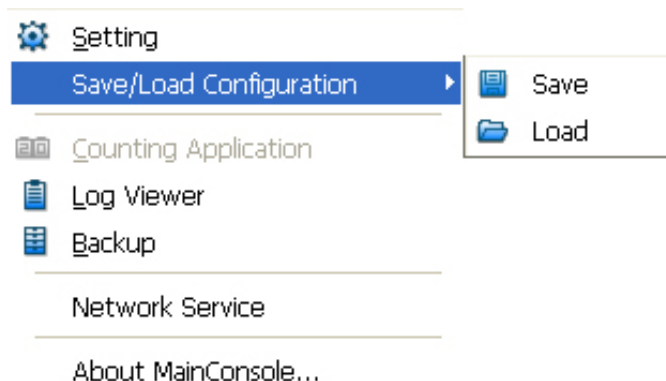
Layout: Choose the number of divisions for NxN division on the Main Console screen.

Save/Load Configuration

The Save/ Load Configuration function allows system users to save any specific setting as a cfg (config) file. You may save up several different cfg files at any time.

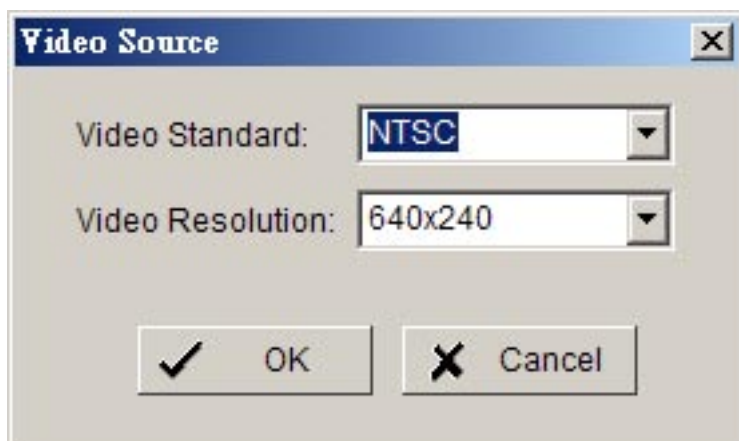
Save Configuration: To save a specific setting, go to Config > Save/ Load Configuration > Save. In the popup window, type in the file name and then save it as a cfg file.

Load Configuration: To load a specific setting, go to Config > Save/ Load Configuration > Load. In the popup window, go to the directory that you saved the cfg files at, select any one of them and then click OK to load the file.



Video Source

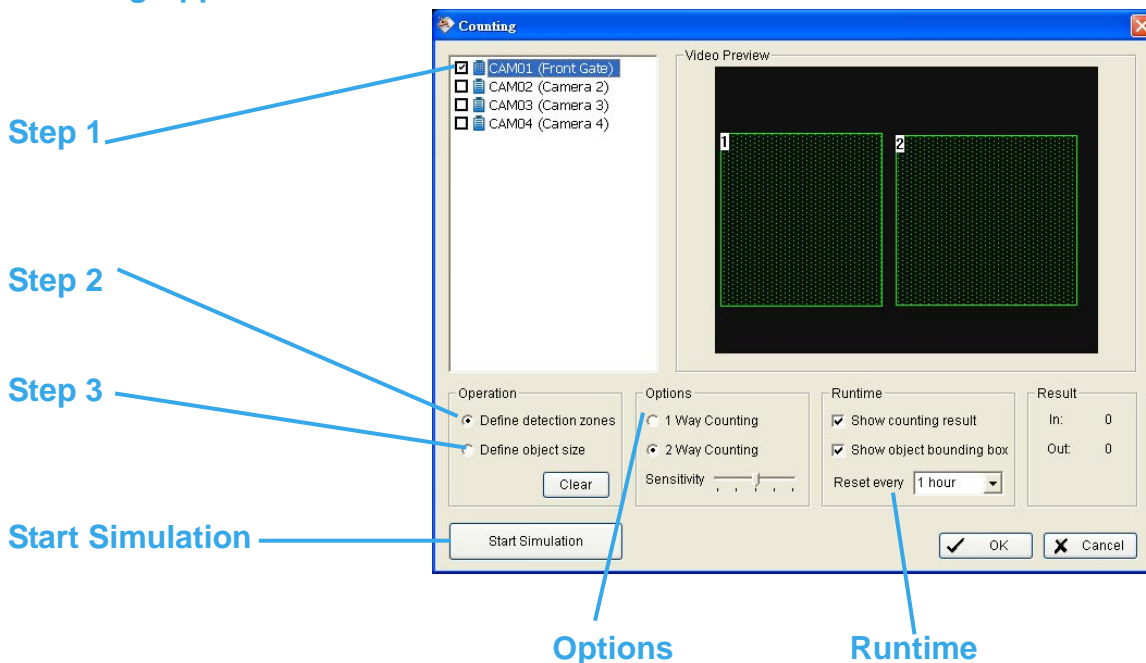
When you use LevelOne CamCon Capture Card series , like FCS-8004, you need to set up your video source before you start to activate schedule recording .



Video Standard: Select the Standard that you apply, from NTSC and PAL.

Video Resolution: Select the resolution you want, from 320 x 240, 640 x 240 and 640 x 480.

Config Counting Application



***Counting Application is only in IP CamSecure Pro/Pro Plus/Pro Mega.**

Step 1: Check the box of the camera to apply the Counting Application on it.

Step 2: In Operation section, define the detection zones you want. Drag the cruise to draw Region 1 and Region 2

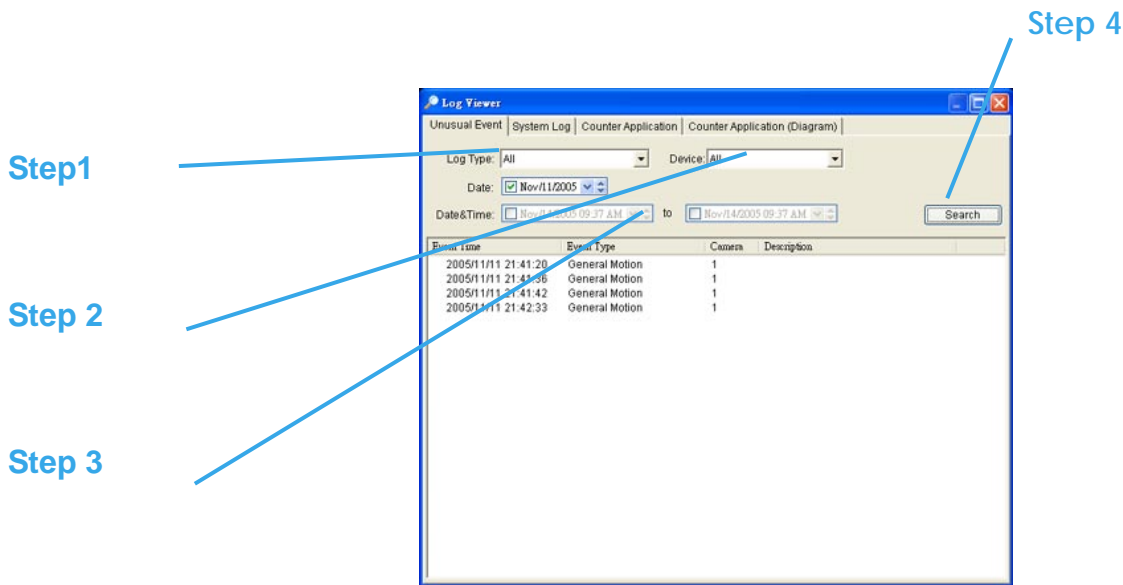
Step 3: Define the object size on the screen. Objects in the size going across these two Regions will be counted.

Options: 1Way Counting will take objects going from Region 1 to Region 2 as one count. In 2 Way Counting mode, it counts either going from Region 1 to Region 2 or Region 2 to Region 1.

Runtime: Check the boxes to show the counting result on the screen or/and show object bounding box, which draws the shape of the object that the system detects in red squares. You can choose from the full-down menu of how long you want to reset the counting number.

Start Simulation: Click to test the setting.

***IP CamSecure Lite32 only has System Log option in Log Viewer.**



Unusual Event: You can check out the history of Unusual Event that had been detected by Smart Guard System.

Step 1: Choose the type of event you want to check or select "All" on the pull-down menu for all types of events.

Step 2: Choose from which camera you want to check the event(s) or select "All" for all the channels available.

Step 3: You can either view the events on a particular date or during a given time period. To search and view Unusual Event on a particular date, mark the box right after "Date" and indicate the date you want to check.

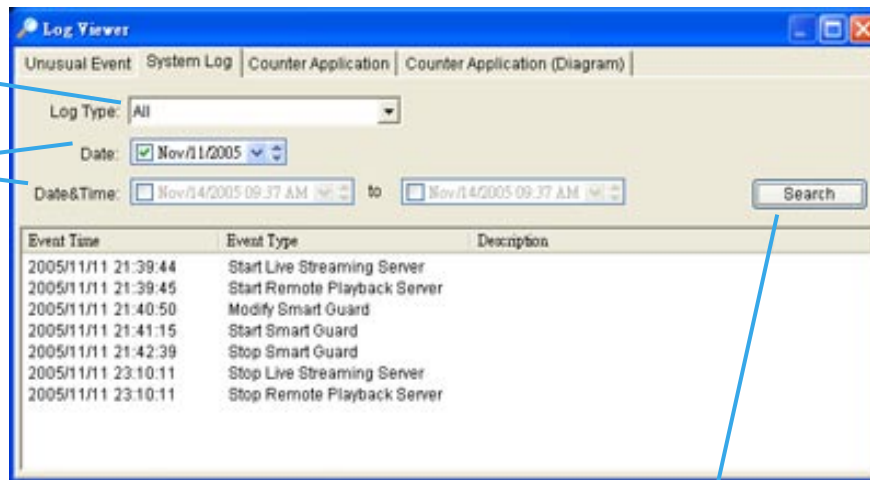
You may also point out two different time points and search for Unusual Event between them. Mark the box in the Date & Time column and then enter the date and time.

Step 4: Click Search

Config Log Viewer

Step 1

Step 2



Step 3

System Log: You can choose the log type from the drop-down menu, following is a complete list of all log types:

- | | |
|--------------------------|----------------------------------|
| 1. Main Console Startup | 12. Stop Smart Guard |
| 2. Main Console Shutdown | 13. Modify Smart Guard |
| 3. User Login | 14. Modify Schedule |
| 4. User Login Failed | 15. Modify Configuration |
| 5. Start Schedule | 16. Start Live Streaming Server |
| 6. Stop Schedule | 17. Stop Live Streaming Server |
| 7. Execute Recycle | 18. Modify Live Streaming Server |
| 8. Execute Backup | 19. Start Remote Playback Server |
| 9. Enable Channel | 20. Stop Remote Playback Server |
| 10. Disable Channel | 21. IP Camera Connection Lost |
| 11. Start Smart Guard | |

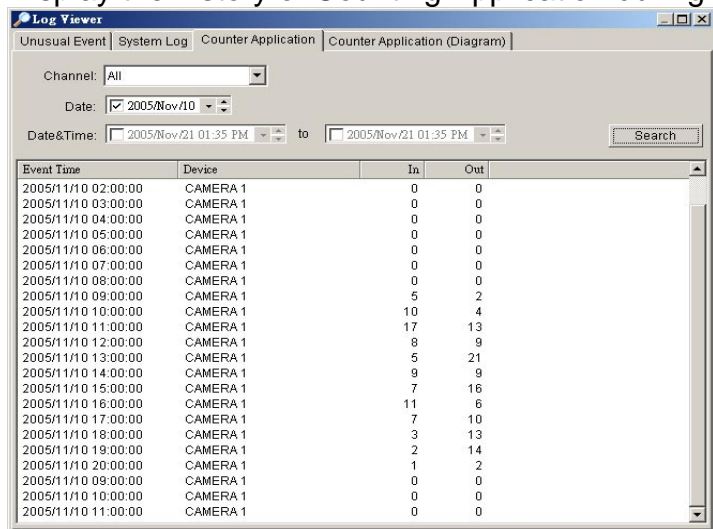
Step1: Choose the type of event you want to check or select “All” on the pull-down menu for all types of events.

Step 2: You can either view the events on a particular date or during a given time period. To search and view Unusual Event on a particular date, check the box right after Date and indicate the date you want to check. You may also point out two different time points and search for Unusual Event between them. Mark the box in the Date & Time column and then enter the date and time.

Step 3: Click Search.

Counting Application:

Display the history of Counting Application during a given time period.



Step1: Select the channel you want to check or select “All” from the drop-down menu for all channels.

Step 2: You may view events happened on a particular date or during a given time period. To search and view unusual event happened on a particular date, mark the box right next to “Date” and indicate the date. You may also point out two different time points and search for unusual events happened during the period. Mark the box in the Date&Time column and then enter the date and time.

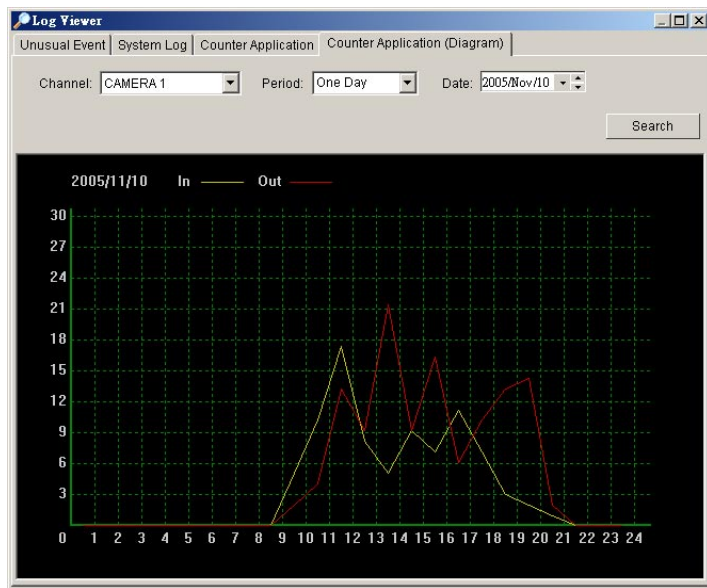
Step 3: Click Search.

Config

Log Viewer - Counting Application (Diagram):

Counting Application (Diagram):

Display the Counting Application data in diagram format.



Step1: Select the channel you want to check or select “All” from the drop-down menu for all channels.

Step 2: From the drop-down menu, set up how you would like the diagram to be displayed. You have the options of one day, one month, or one year.

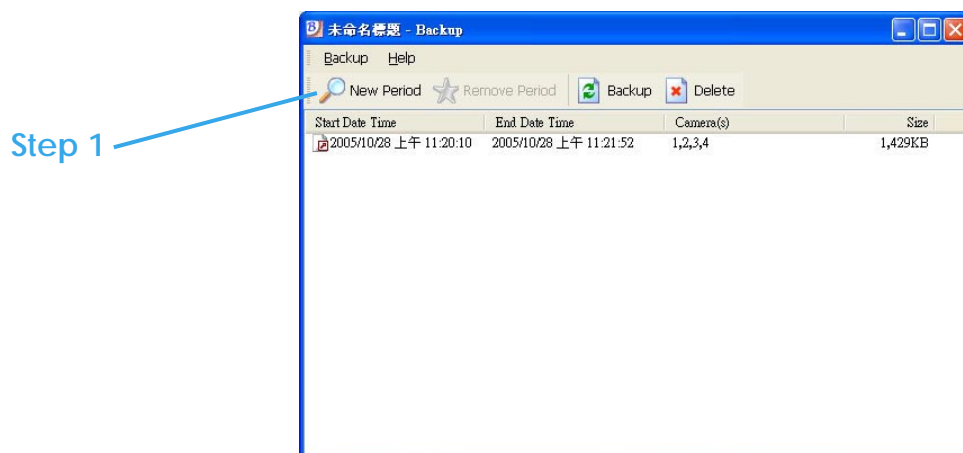
Step 3: Select a specific date to make it the start point of the diagram.

Step 4: Click Search.

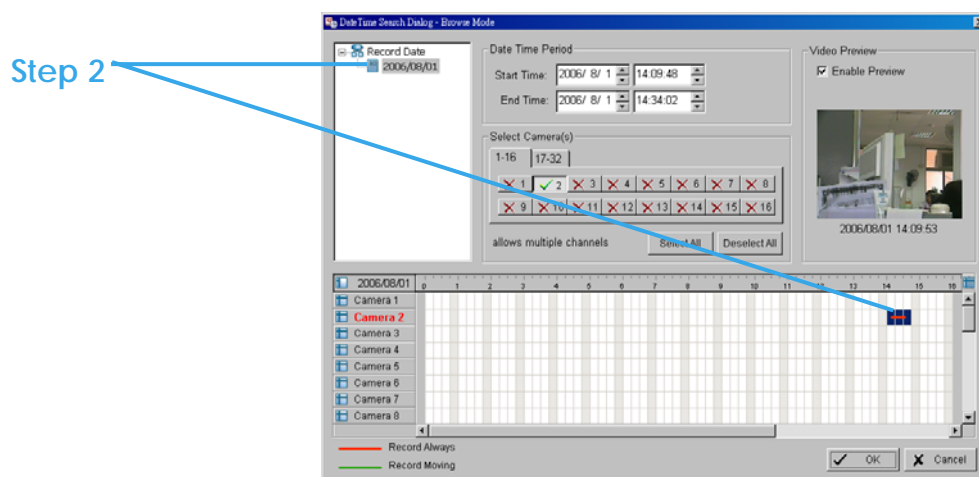
Config

Backup

The backup function saves video record and other log information. User may open backup files on any PC with Windows Operation System and operate the full function Playback panel on it. Follow the instructions below to obtain backup files.

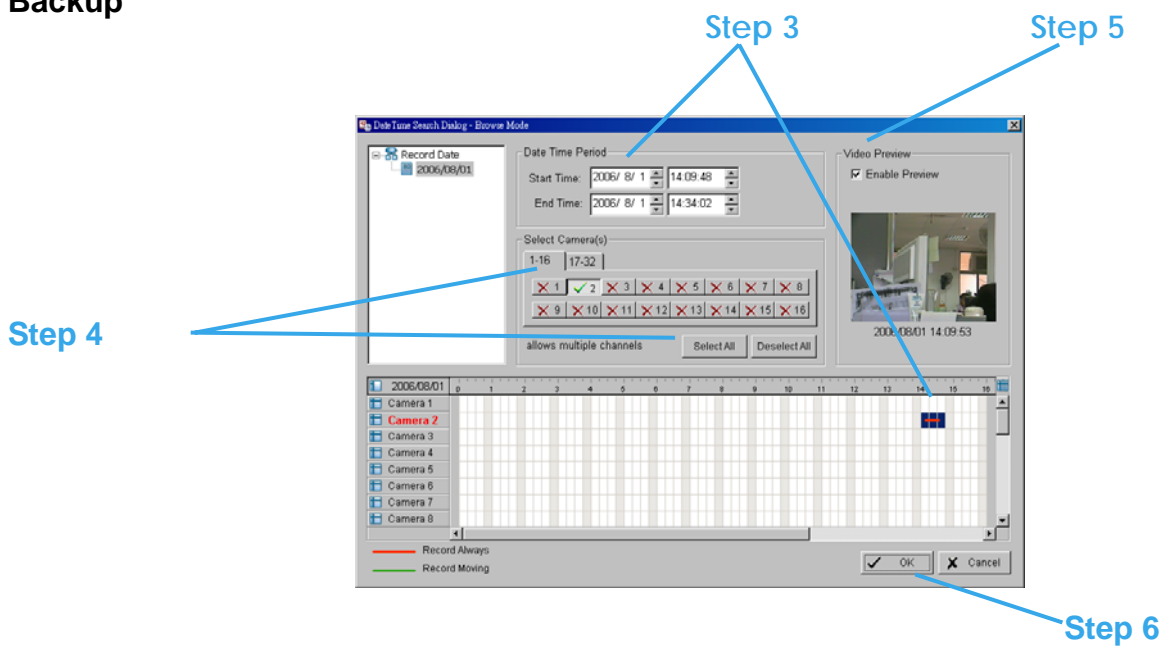


Step 1: Click on “New Period” to obtain the Select DateTime Period panel.



Step 2: From the record date section, select the date you want to backup from. You will see color lines appear in the time table implying available data recorded. Red, green, and blue stands for record always, record on motion, and record on event data files, respectively.

Config Backup



Step 3: Select the data you want to backup by highlighting the time period. Besides the time-table, you may also set up start time and end time in the Date Time Period section.

Step 4: Click on the camera number icon to add camera(s) or click Select All to add all the cameras.

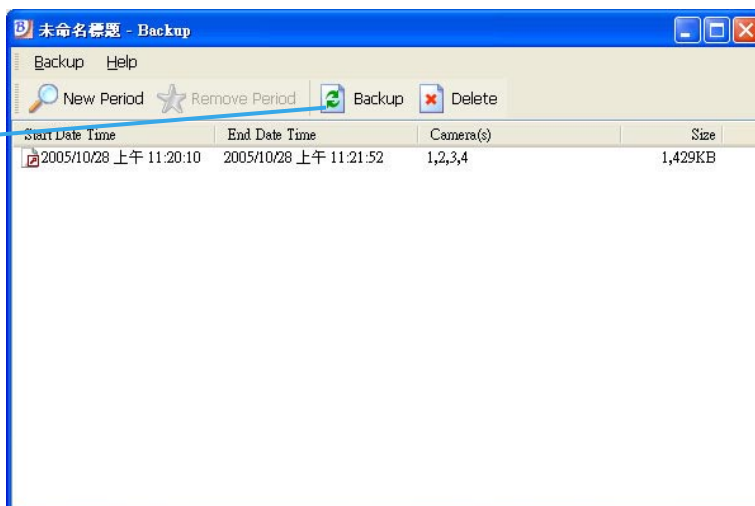
Step 5: Check the box of Enable Preview to get the preview of the video you select.

Step 6: Click OK when the settings are complete and go back to the Backup panel.

Config

Backup

Step 7



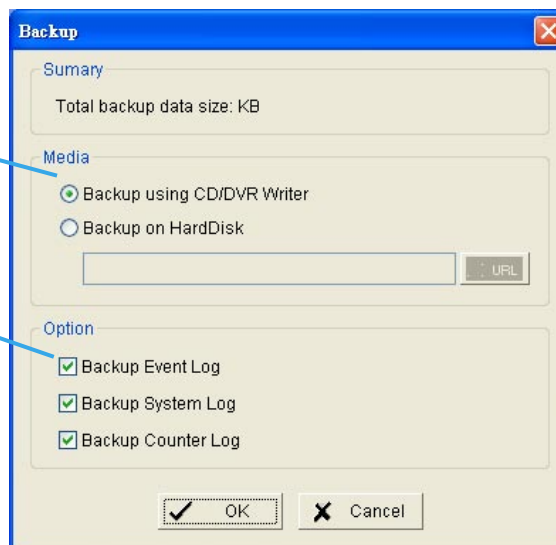
Step 7: Click the Backup icon and you can see the size of the file.

Step 8: Choose the path you want to save the file or, burn the file into a CD (direct CD burning for Windows XP only).

Step 9: Select which log information you want to backup (Event Log, System Log and/or Counter Log) and then click OK.

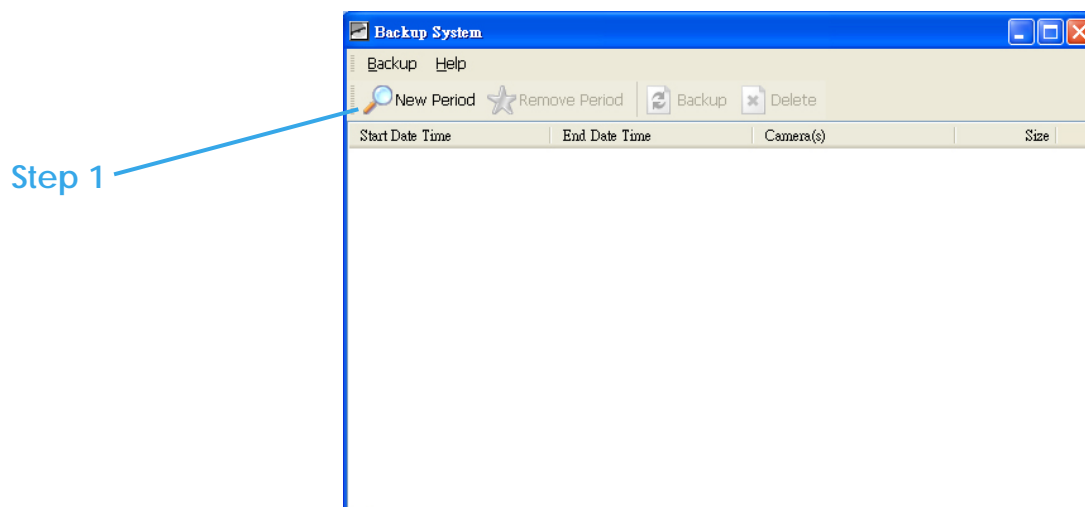
Step 8

Step 9



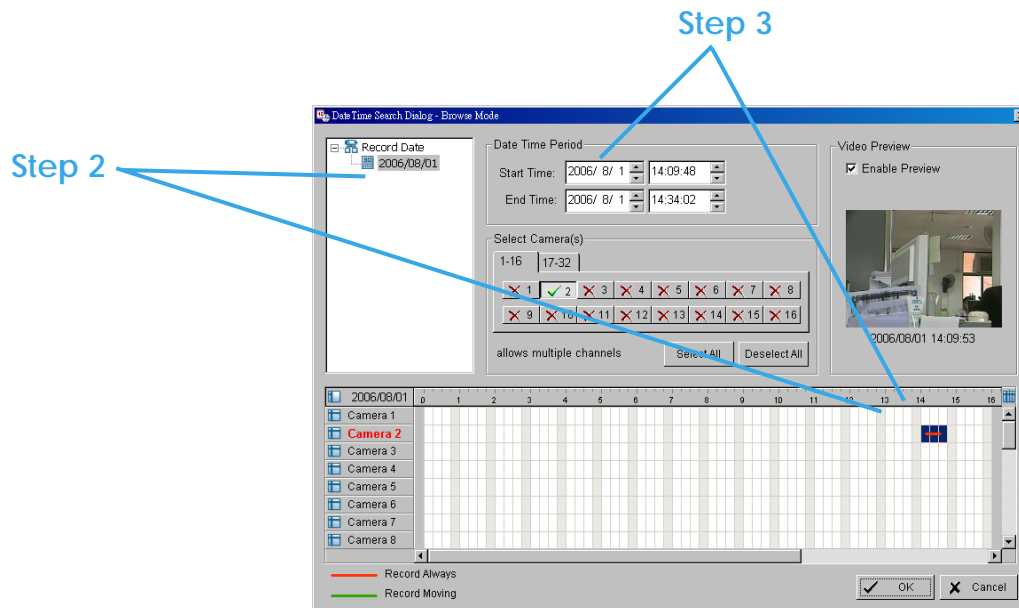
Delete recorded information from the system

Step 1: Click on “New Period” to obtain the Select DateTime Period panel.



Step 2: From the record date section, select the date you want to delete the file from. You will see color lines appear in the time table implying available data. Red, green, and blue stands for record always, record on motion, and record on event data files, respectively.

Step 3: Select the data you want to delete by highlighting the time period. Besides the time-table, you may also set up start time and end time in the Date Time Period section.

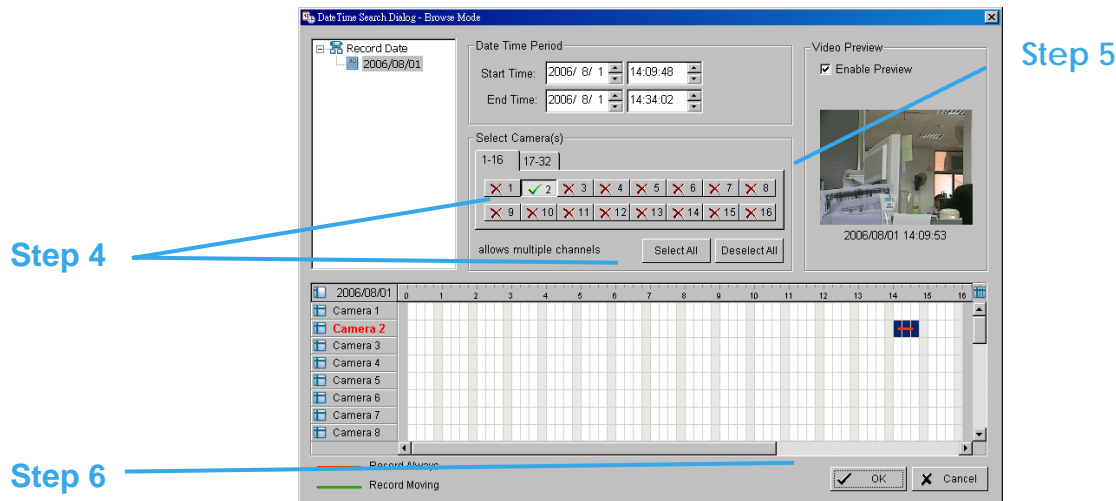


Config

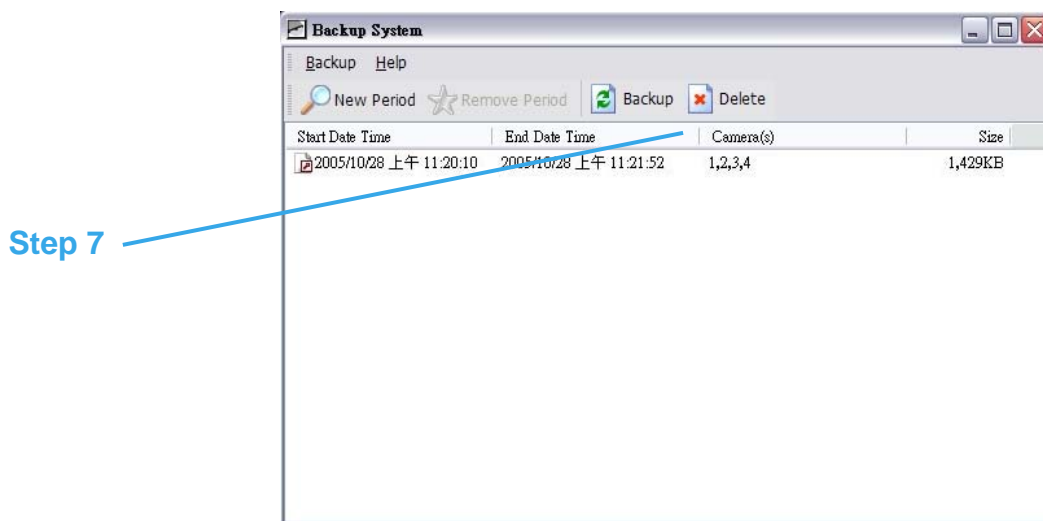
Step 4: Click on the camera number icon to add camera(s) or click Select All to add all the cameras.

Step 5: Check the box of Enable Preview to get the preview of the video you select.

Step 6: Click OK when the settings are complete and go back to the Backup panel.



Step 7: Click on the “Delete” icon and delete the data.



Network Service

There are 5 types of network services: live streaming server, remote playback server, 3GPP service, remote desktop and central management. From the Main Console, go to Config > Network Service to obtain the Network Service panel.

***IP CamSecure Lite32 only has Live Streaming and Remote Playback in Network Service.**



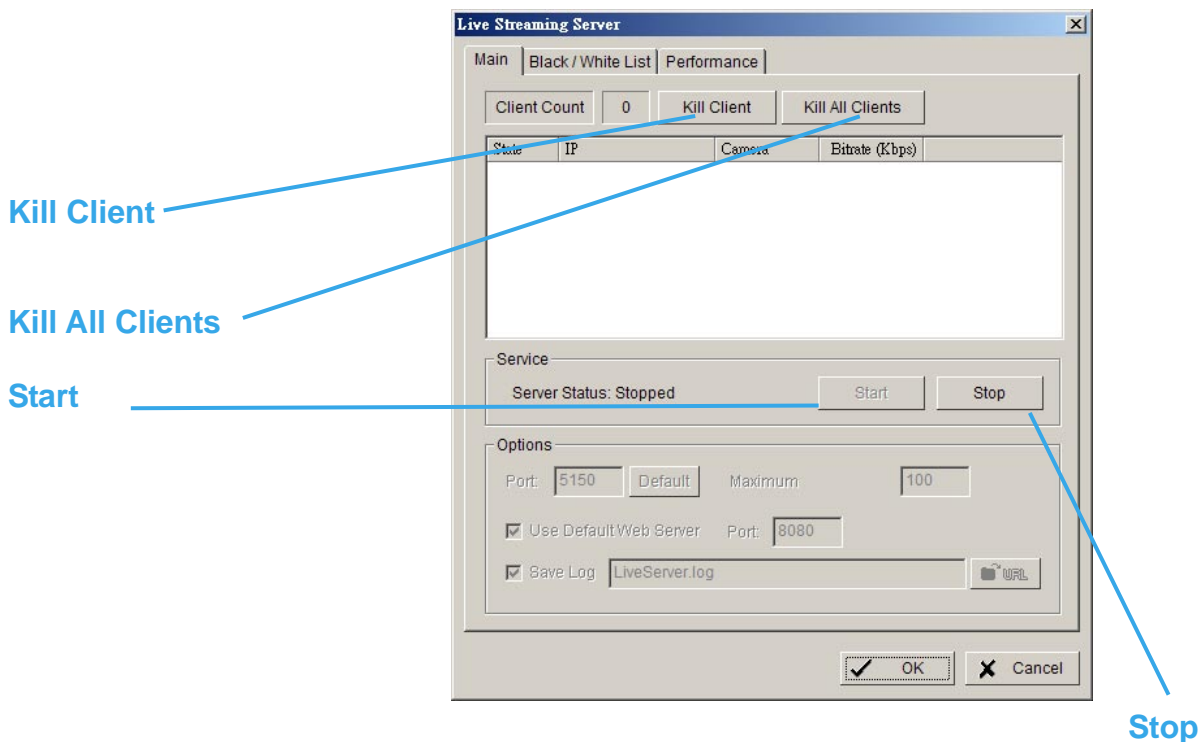
Live Streaming Server

When starting the live streaming function of your computer, you allow other people to log on to the specific computer and view cameras that are connected to it. As system administrator, you are able to monitor these accounts in order to maintain the system efficiency.

Live Streaming Server – Main

On Live Streaming Server panel, you can see the clients who are currently logging on to your computer and watching the live video from the remote side.

Start: By starting the system, you turn the computer into a live streaming server; thus allow other people to log on to the system.

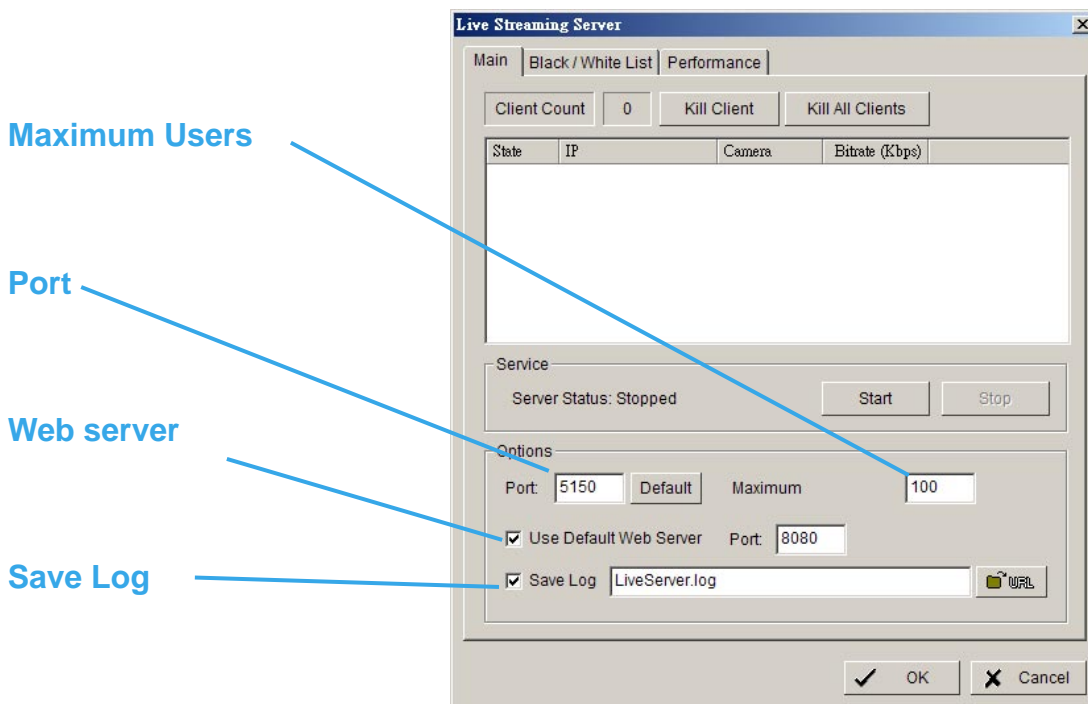


Kill Client: Highlight an IP address and click on the “Kill Client” button to block a client from your system.

Config

Kill All Clients: By clicking on this button, you may block all the clients logging to your system.

Stop: Stop broadcasting live stream video.



Options: You may only adjust the setting when the server is stopped.

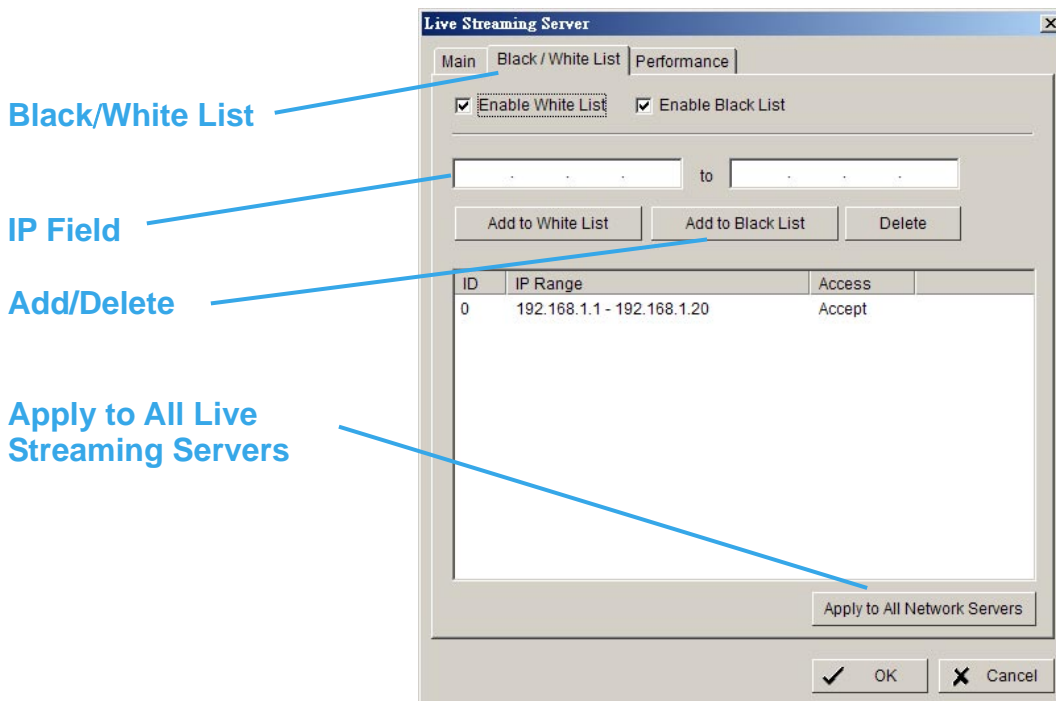
Port: Assign a port for the clients to connect to your system to the network.

Use Default Web Server: Activate the Web server by checking the box; clients will be able to watch live video via Internet Explorer. The port is set to 80 by default.

Maximum Users: Number of connections that are allowed to connect to your system. One camera video counts as one connection.

Save Log: Save the log information at appoint folder.

Live Streaming Server - Black/White List



White List: Check the box to activate White List filter. Only IPs from the White List are allowed to log-in.

Black List: Check the box to activate Black List filter. IPs from the Black List will be blocked.

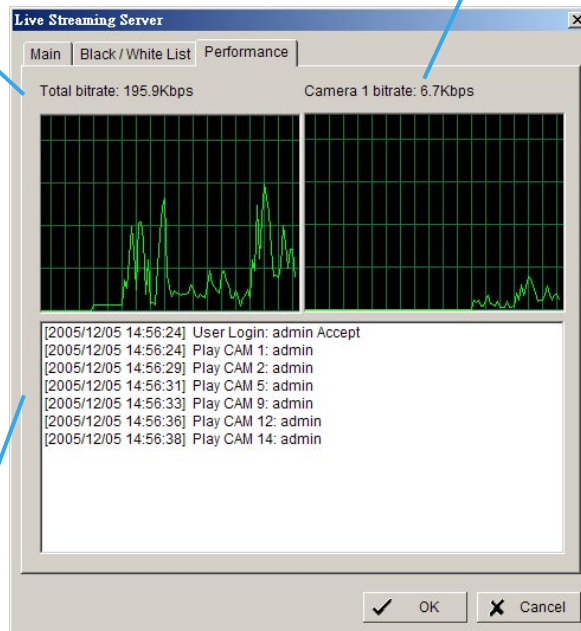
IP Field: Enter the IP in the field at the left or, 2 sets of IP to indicate a series of IPs.

Add/Delete: To Add the IP(s) onto the list or remove it from the list.

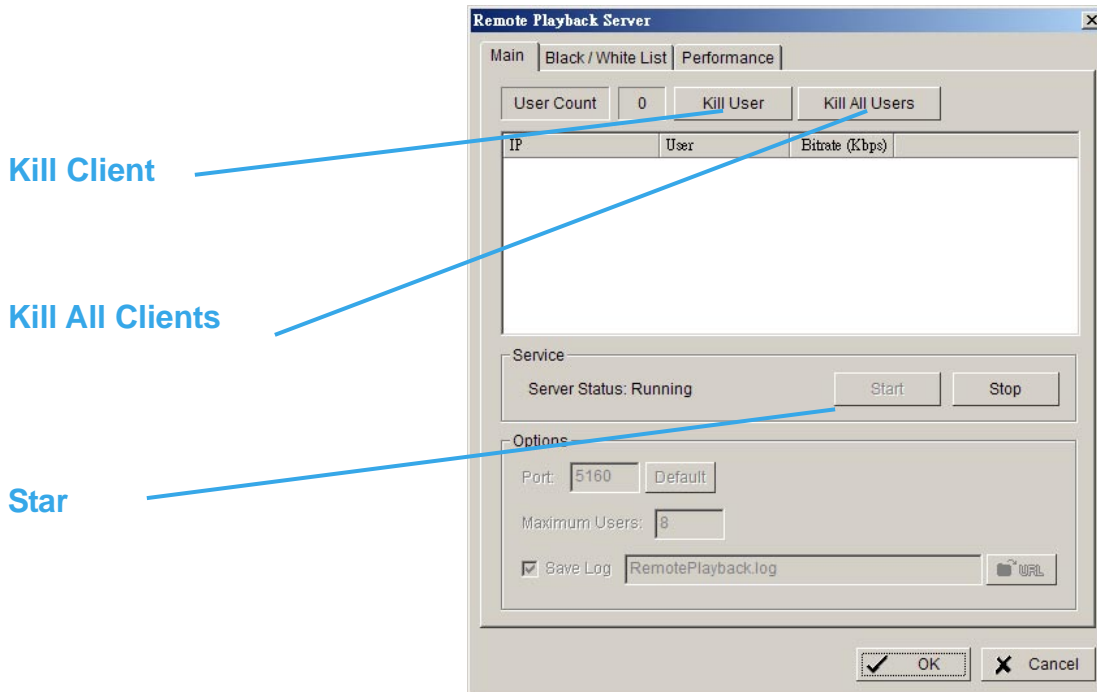
Apply to All Network Servers: To apply the setting to all the servers.

Total bitrate

Individual Camera bitrate



Live Streaming Server log information



***There is only 1 channel displayed in Remote Playback in IP CamSecure Lite32 while there are up to 16 channels displayed in IP CamSecure Pro/Pro Plus/Pro Mega simultaneously.**

When starting the remote playback function of your computer, you allow other people to log on to the specific computer and withdraw data files that are stored on it. As system administrator, you are able to monitor the accounts that log on in order to maintain the system efficiency.

Remote Playback Server - Main

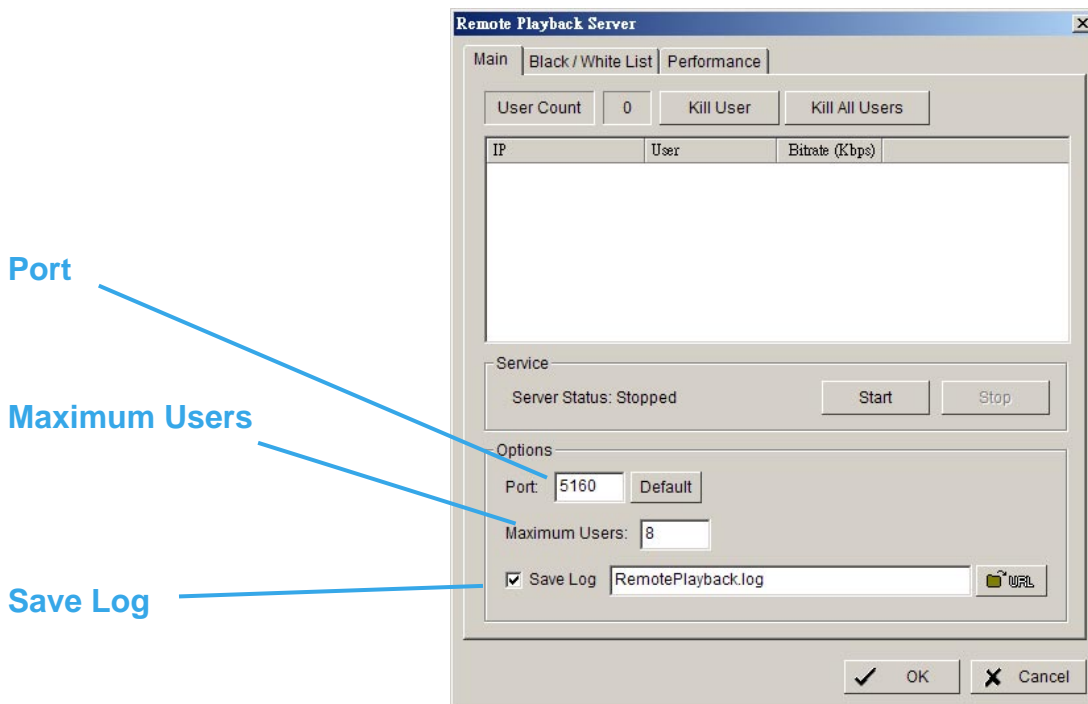
On Remote Playback Server panel, you can see the clients who are currently logging on to your computer and watching the live video from the remote side.

Start: By starting the system, you turn the computer into a remote playback server; thus allow other people to access the system.

Kill Client: Highlight an IP address and click on the “Kill Client” button to block a client from your system.

Kill All Clients: By clicking on this button, you may block all the clients logging to your system.

Stop: Stop broadcasting playback video.



Options: You may only adjust the setting when the server is stopped.

Port: Assign a port for the clients to connect to your system to the network.

Maximum Users: Number of connections that are allowed to connect to the Remote Playback Server. One camera video counts as one connection.

Save Log: Save the log information at appoint folder.

Config

Remote Playback Server - Black/White List

Black/White List

IP Field

Add/Delete

Apply to All Remote
Playback Servers

Remote Playback Server

Main Black / White List Performance

☐ Enable White List ☐ Enable Black List

IP Field to IP Field

Add to White List Add to Black List Delete

ID	IP Range	Access
0	192.168.1.1 - 192.168.1.20	Accept
1	192.168.1.21 - 192.168.1.30	Deny

Apply to All Network Servers

OK Cancel

White List: Check the box to activate White List filter. Only IPs from the White List are allowed to log-in.

Black List: Check the box to activate Black List filter. IPs from the Black List will be blocked.

IP Field: Enter the IP in the field at the left or, 2 sets of IP to indicate a series of IPs.

Add/Delete: To Add the IP(s) onto the list or remove it from the list.

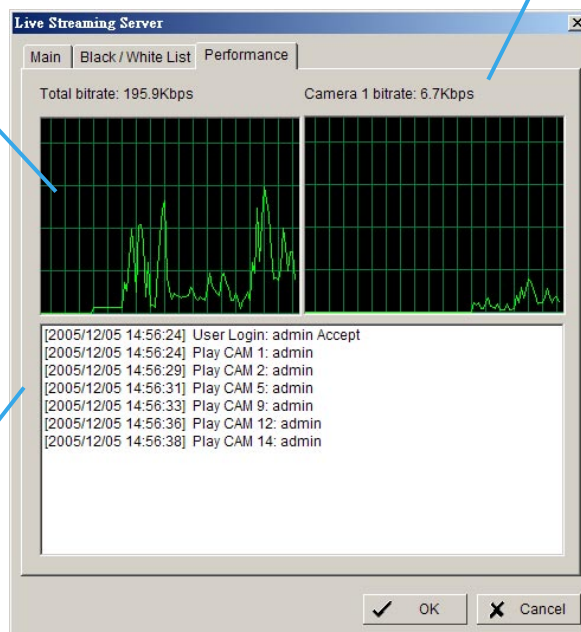
Apply to All Network Servers: To apply the setting to all the servers.

Config

Remote Playback Server – Performance

Total bitrate

Individual Camera bitrate



Remote Playback Server log information

About

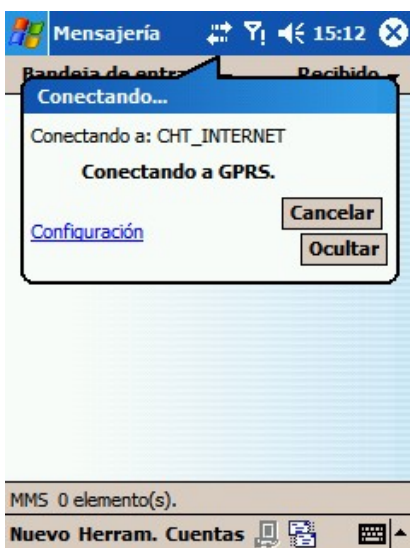
Click About on the pull-down menu, and then the version of IP CamSecure will show up on the screen.

3GPP Service

The steps are as below are brief guideline of setting the 3GPP function on Microsoft Windows Mobile 2003 Pocket PC Phone Edition Second Edition.

Note: This feature depends on the mobile telecom service provided and the mobile phone model. LevelOne does not guarantee that this feature will work in all countries..

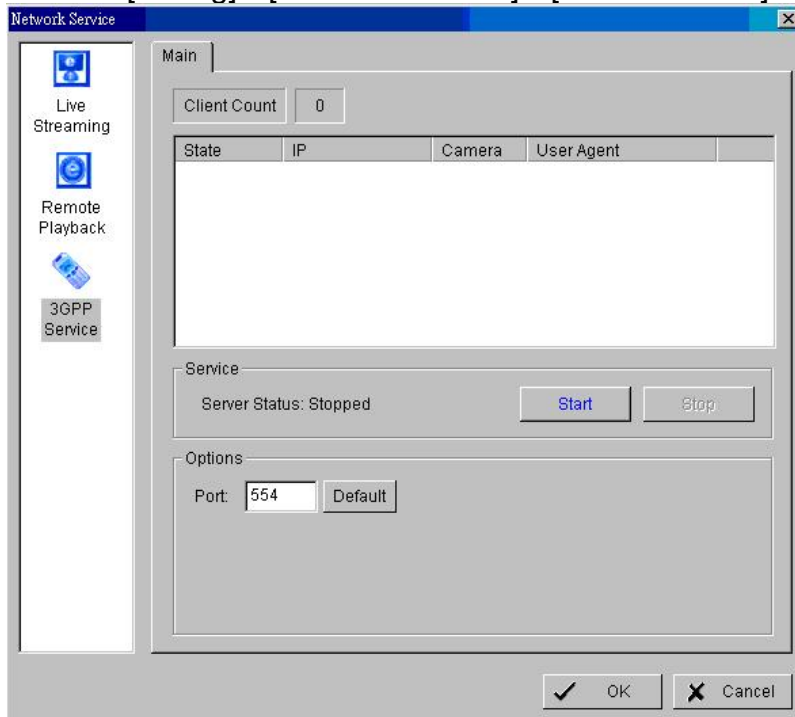
1. Connect GPRS
2. Download and install the [PLATFORM4] software.



Config

3. Execute Main Console.

4. Press the [Config]→[Network Service]→[3GPP Service]→[Start]

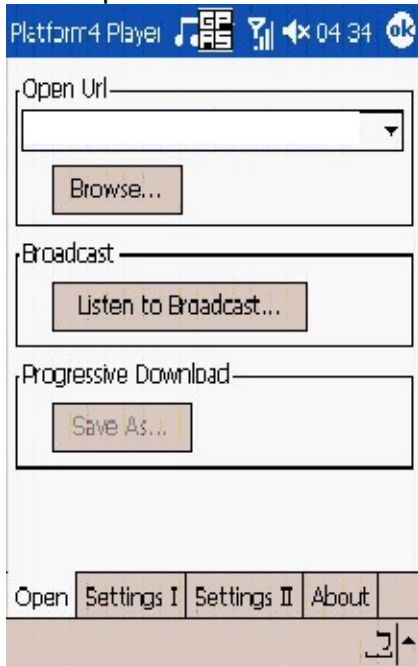


5. Open [PLATFORM4], press the button framed by red into Option

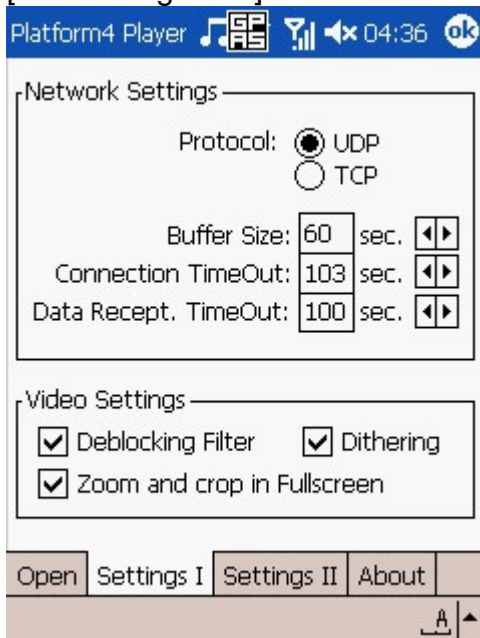


Config

6. [Open Url] enter the rtsp address of the camera
(EX: rtsp://195.253.21.242/media00.3gp→channel 1
EX: rtsp:// 195.253.21.242/media01.3gp→channel 2
EX: rtsp:// 195.253.21.242/media02.3gp→channel 3)



7. [Setting I] change the setting and press "OK"
[Protocol] TCP
[Buffer Size] 60
[Connection TimeOut] 103
[Data Recept. TimeOut] 100
[Deblocking Filter] check



Config

8. Go back to PLATFORM4, searching and then getting the video



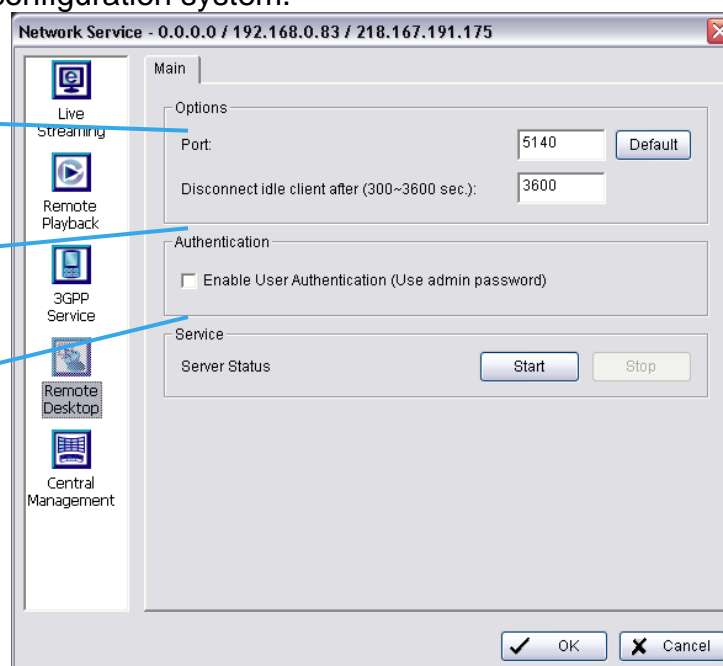
Remote Desktop

When starting the Remote Desktop option of your computer, you allow remote users to use Remote Desktop Tool to login and configuration system.

Option

Authentication

Server Status



***Remote Desktop is only in IP CamSecure Pro/Pro Plus/Pro Mega and there are up to 16 channels displayed simultaneously.**

Options

Port: Assign a port for Desktop tool to login and configure system.

Disconnect idle client after (300~3600 sec): Auto discount the on-line user who idled more than setting period.

Config

Authentication

Enable this option would only allow admin account to use Desktop tool to login system.

Server Status

Click on Start/Stop to turn on/off this option.

How to install Remote Desktop Tool

Step 1: Insert the Installation CD.

Step 2: Please go to RemoteDesktopViewer directly and Run Setup.exe file.

How to Start Remote Desktop Tool

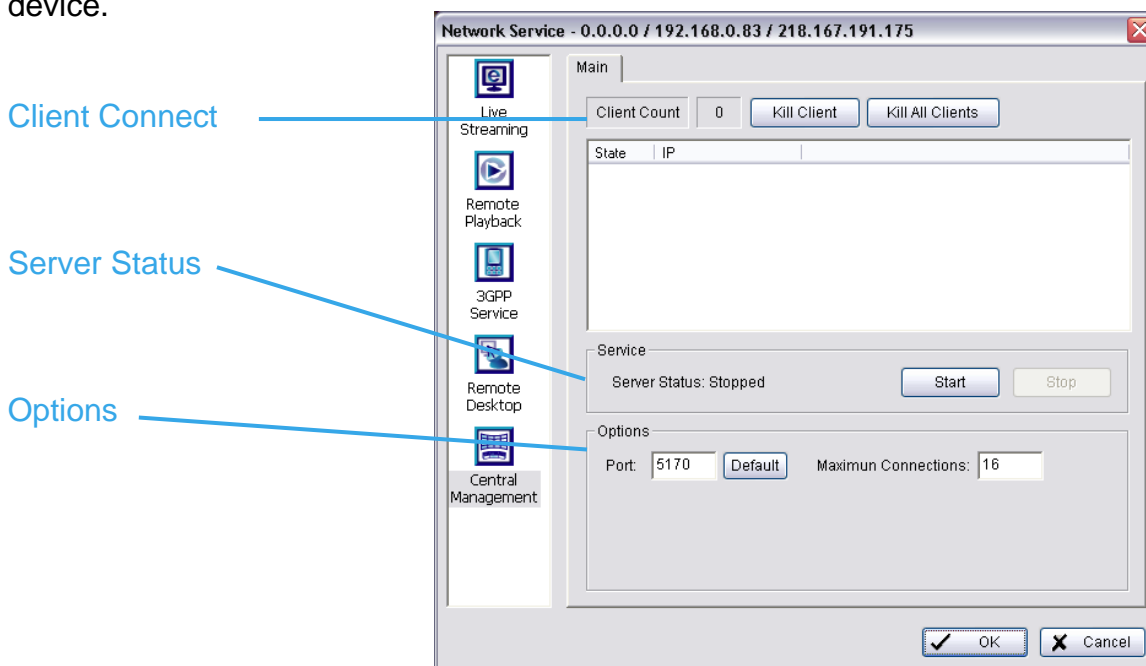
Step 1: Please point to Start > All Programs > Remote Desktop Viewer > Remote Desktop Viewer.

Step 2: Please enter address, Port, Password of server. Enable the option Use 8 bits color level to show steadier screen.

Step 3: Click OK to Start Remote Desktop.

Central Management Service

This service only supports **Central Management System(NCS)**. When starting the Central Management Service option of your computer, the Main Console would send event which set action send to central management to NCS Server and allow NCS system to remote control IO device.



***CMS is only supported in IP CamSecure Pro/Pro Plus/Pro Mega.**

Client connect option

Client Count: Show total connect servers amount.

Kill option: Highlight an IP address and click on the “Kill Client” button to block a client from your system. Or click on the “Kill All Clients” button to block all clients.

Server Status

Click on Start/Stop to turn on/off this option.

Options

Port: Assign a port for NCS System to connect Main Console system.

Maximum Connection: Number of connections NCS Servers that are allowed to connect to your system. The default is 8 NCS Servers and maximum is 16.

Remote Live Viewer



With the Live Viewer console, you may watch real-time video from remote live streaming servers.

***There is only 1 channel displayed in Live Viewer in IP CamSecure Lite32 while there are up to 16 channels displayed in IP CamSecure Pro/Pro Plus/Pro Mega simultaneously.**



Click on the Setup icon to obtain the **Setup** panel

Name the server

Enter the server IP

Enter the connecting port of the server

Enter the user name and password

Check the box to automatically log in the server when starting Live Viewer

Test the server first to see if the settings are correct

Click "Add" and the sever will appear on the list

Remote Live Viewer Setup Panel—Group

You may put different cameras into the same group when utilizing the Live Streaming Server function.

Step 1: Go to the Group tab of the LiveView Setting panel.

Step 2: Log in to all the servers that contain the camera(s) you would like to put into the group(s).

Step 3: Click “Insert” to create a new group; name the group for future reference.

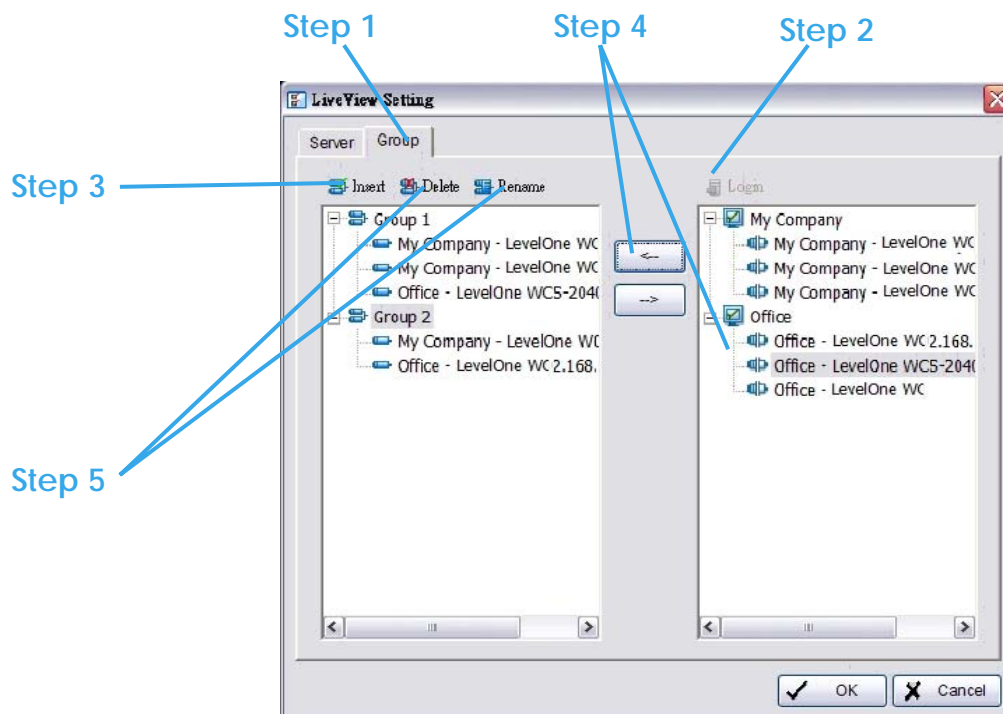
Step 4: From the window at the right, highlight the camera(s) that you would like to add to a group and then click on the “<--” button. Repeat the process until you are satisfied with the group setting.

Step 5: Click on the Delete and Rename button to remove or rename a specific group.

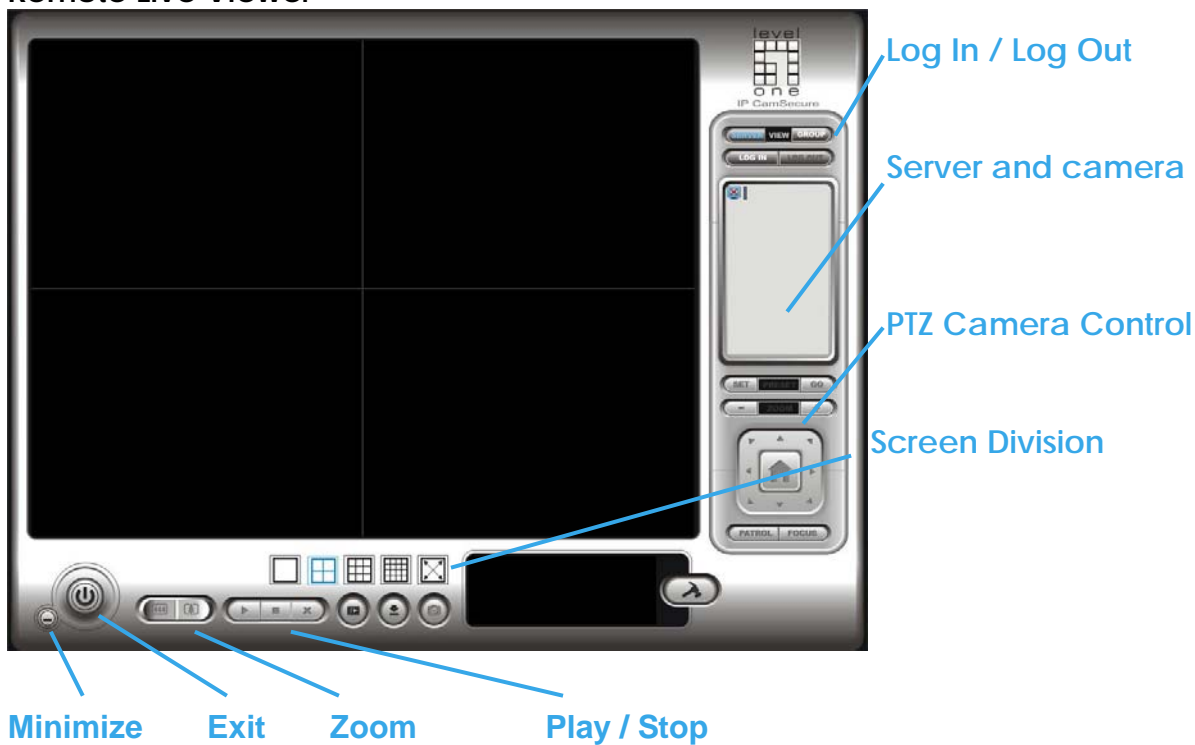
Step 6: Repeat Step 3 to 5 until you are done with creating and setting groups.

Step 7: Click OK.

Note: If you want to Re-open the Remote Live Viewer on the secondary monitor, please enable the Re-open Remote Live Viewer on 2nd Monitor.



Remote Live Viewer



Select a camera(s) from the server/ camera list on the right and then drag it to where you want the image to be displayed.

On the server/ camera list, right click on a camera to connect/ disconnect it.

Log In/ Log Out: Select a server or a group and click on the log in/ out icon to access/ leave the server. You may also log in/ out from the server by right clicking on it.

Server and Camera List: Display a complete list of the server(s) and camera(s) that are added to the system.

PTZ Camera Control: You may control the camera view by utilizing the PTZ camera control panel to adjust the camera's view. This is only available with cameras that support PTZ function.

Minimize: Minimize the Live View Console window.

Exit: Shut down the system or log out current user.

Zoom: Click on the + and – signs to zoom in and out the view.

Play / Stop: Select a camera/video and click Play / Stop to play/stop the particular channel.

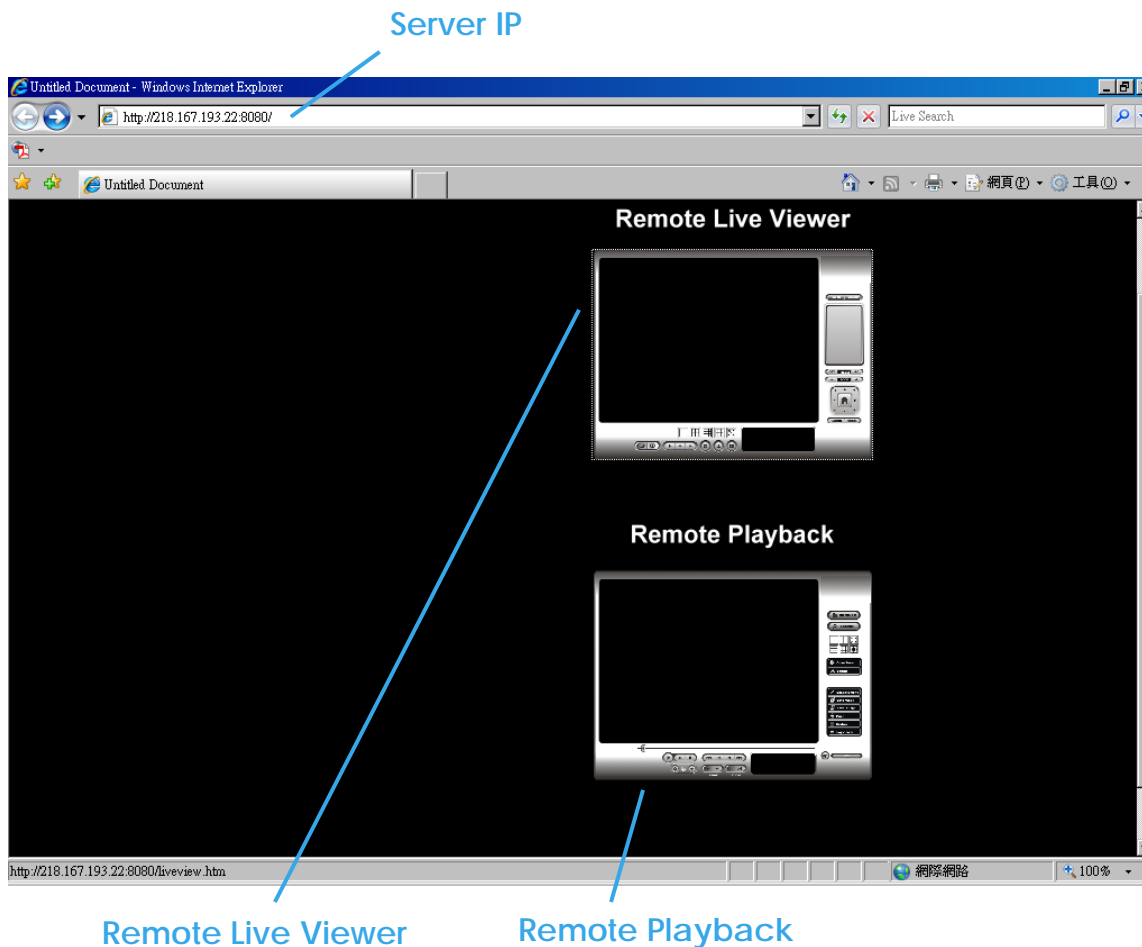
Information Display Window: Display video information including server name, video current status, and speed.

Playback: View playback video remotely.

Remote I/O: Utilize I/O device function remotely.

Snapshot: Select the snapshot function to capture a specific video image immediately.

Other—View Real-Time Video on the Internet



Note: Must make sure the Liver Stream Server is enabled.

Server IP: Open an Internet Explorer browser and enter the IP address or DDNS “name” of the server followed by the connecting port.

Example: <http://192.168.1.16:8080/>

Note: 192.168.1.16 is the IP address of the server. 8080 is the port specified in “Use Default Web Server” in Network Service.

Remote Live Viewer: Press this icon to use Remote Live Viewer which functions are the same as Remote Live Viewer.

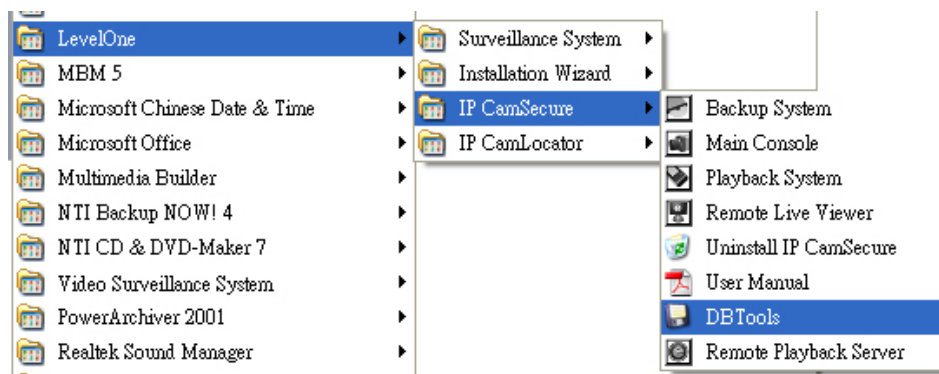
Remote Playback: Press this icon to use Remote Playback which functions are the same as Playback but remote server and backup functions.

***There is only 1 channel displayed in Live Viewer via web browser in IP CamSecure Lite32 while there are up to 4 channels displayed in IP CamSecure Pro/Pro Plus/Pro Mega simultaneously.**

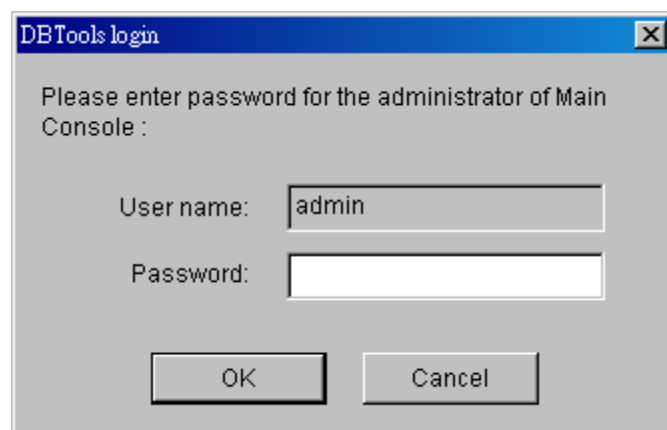
DBTools

The DBTools : Export/import database/files; export configurations and edit storage location.

Step 1: Execute DBTools from program files.



Step 2: Enter the password of administrator to login.

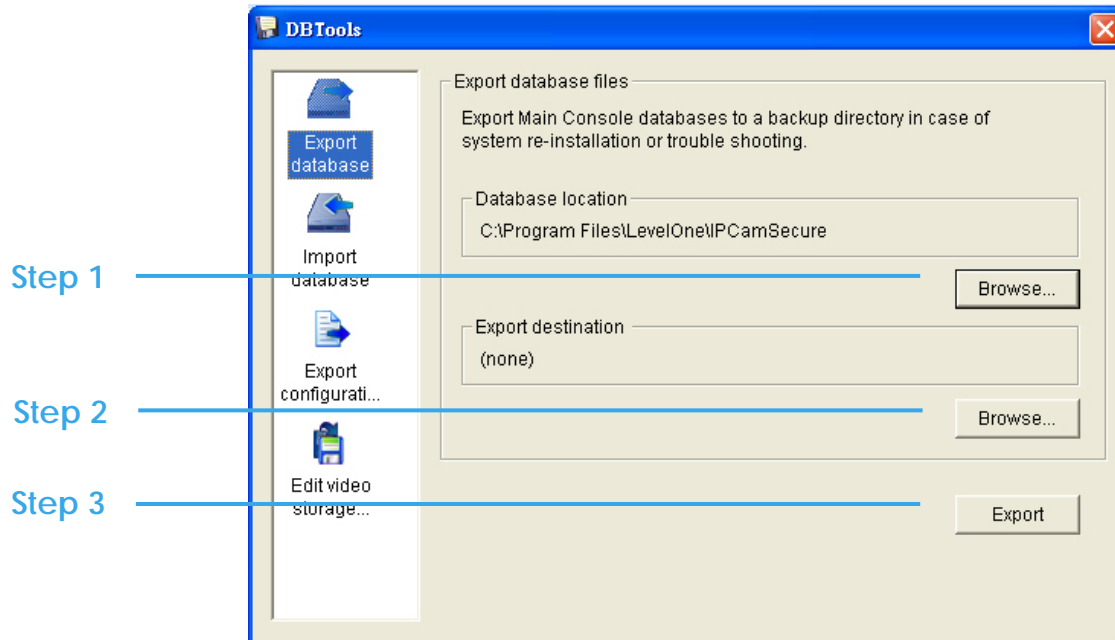


Export database

Step 1: Select the database you want to export.

Step 2: Select the destination you want to export.

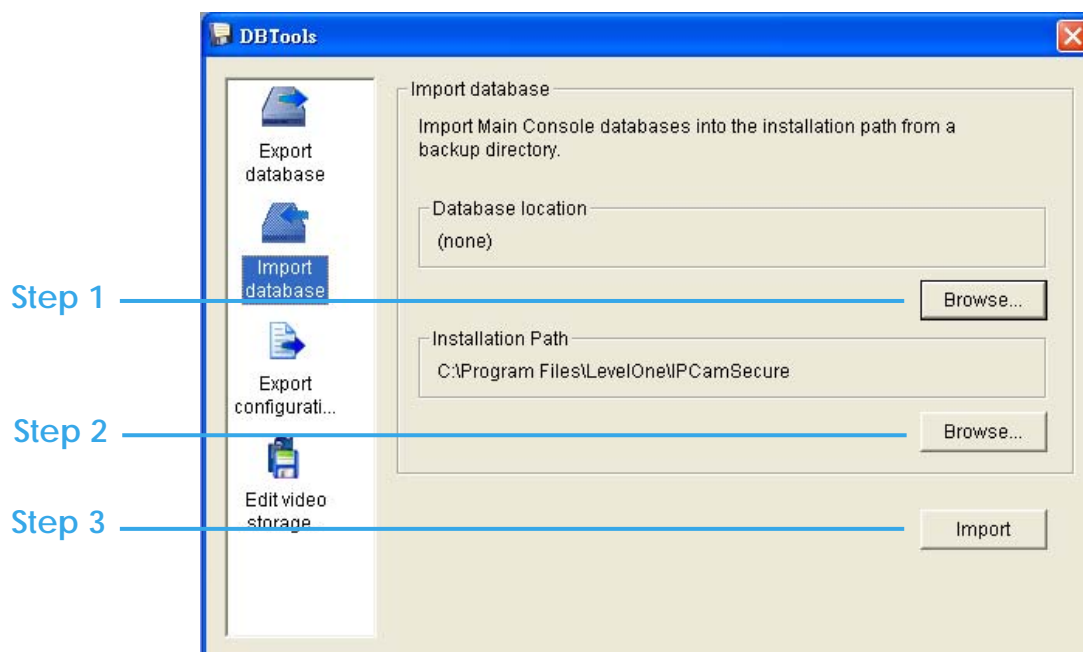
Step 3: Press “Export” to start to export database.

**Import database**

Step 1: Select the database location you want to import.

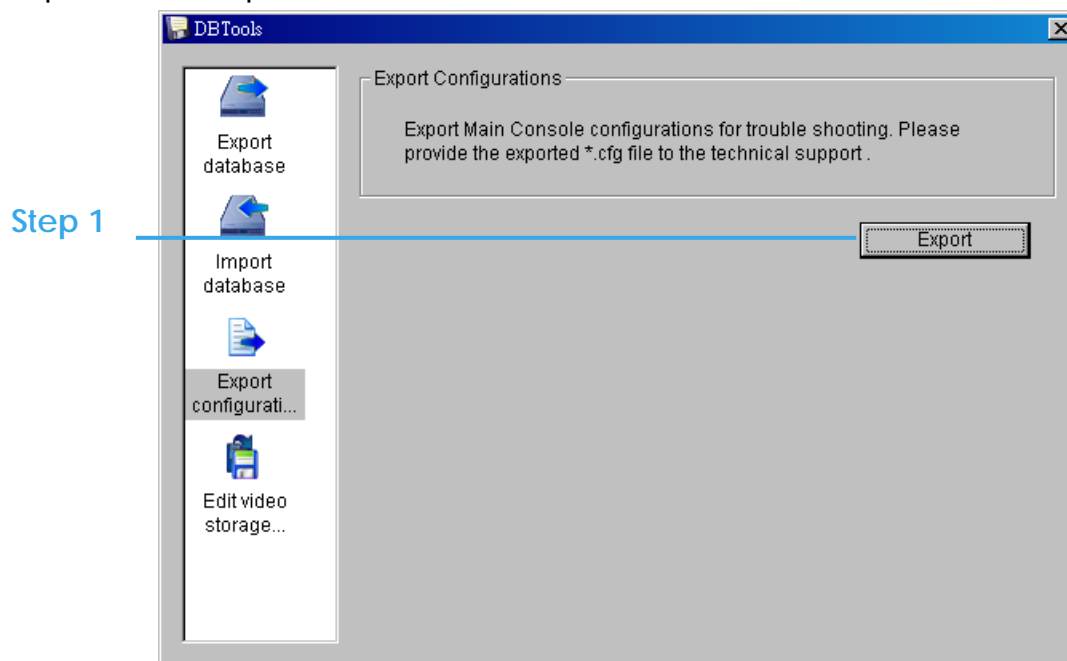
Step 2: Select the installation path you want to import.

Step 3: Press “Import” to start to import database.



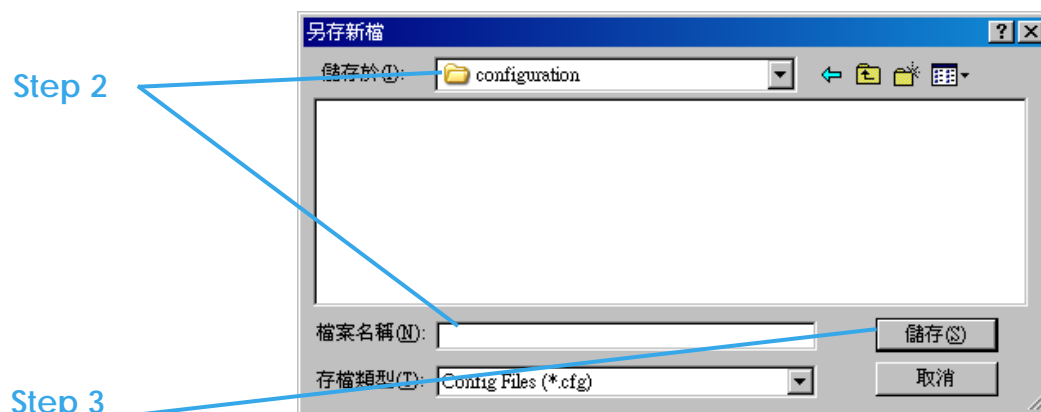
Export configurations

Step 1: Press "Export".



Step 2: Select the location you want to Export and type the name of the configurations.

Step 3: Press "Save" to start to import database.



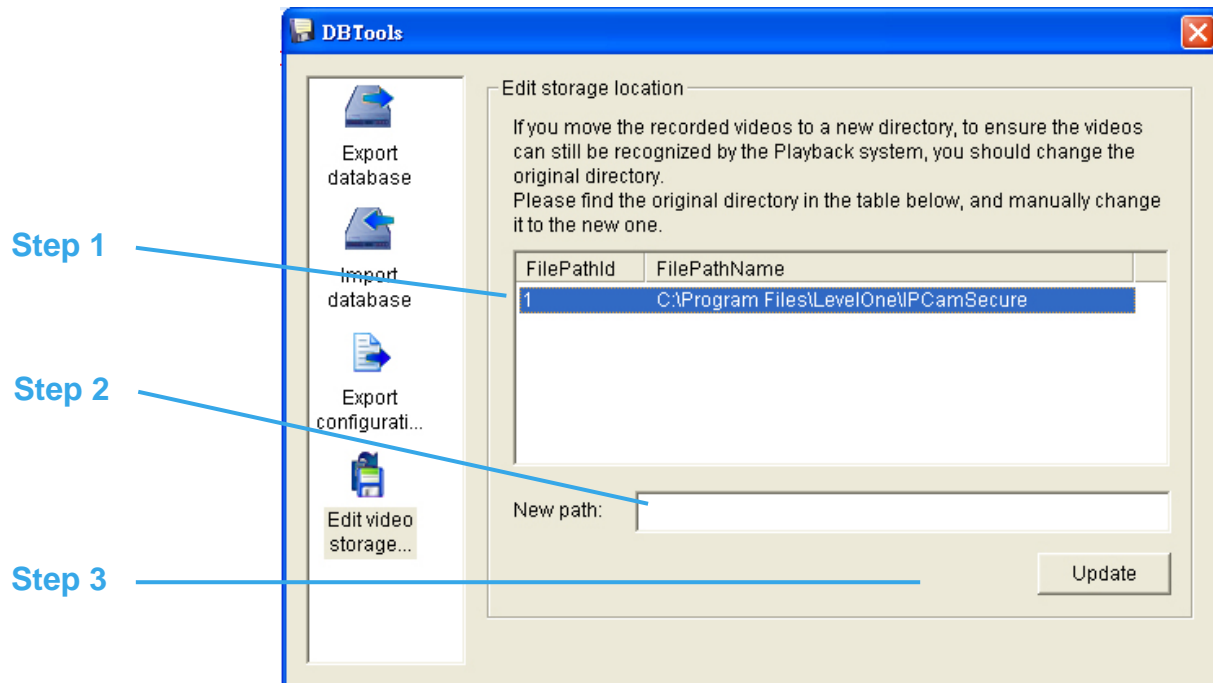
Edit storage location

If you move the recorded videos to a new directory, to ensure the videos can still be recognized by the Playback system, you should change the original directory.

Step 1: Select the original directory in the table.

Step 2: Type the new path you want to save the recorded videos.

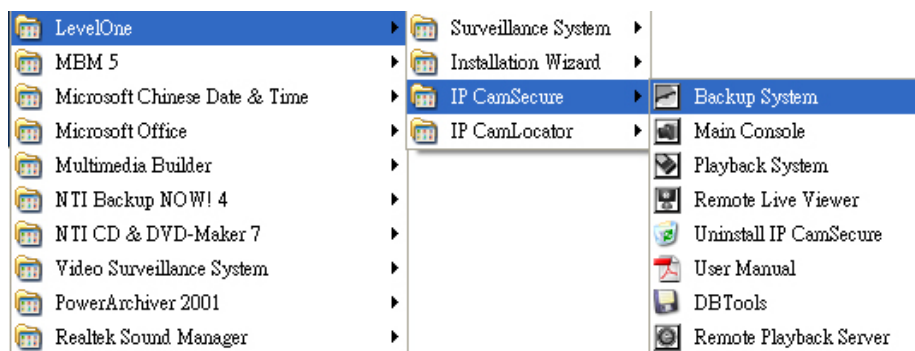
Step 3: Press “Update” to finish editing storage location.



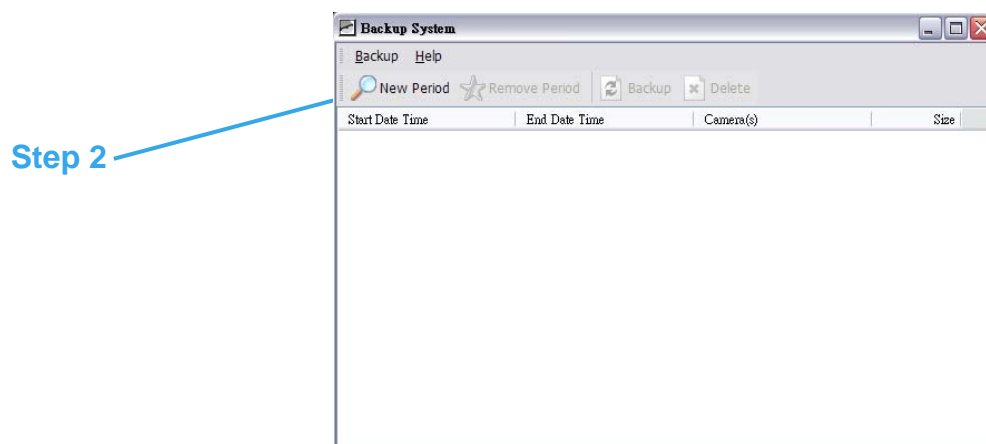
Backup

The backup function saves video record and other log information. Users may open backup files on any PC with Windows Operation System and operate the full function Playback panel on it. Follow the instructions below to obtain backup files.

Step 1: Execute DBTools from program files.



Step 2: Click on “New Period” to obtain the Select DateTime Period panel.



Step 3: From the record date section, select the date you want to backup from. You will see color lines appear in the time table implying available data recorded. Red, green, and blue stands for record always, record on motion, and record on event data files, respectively.

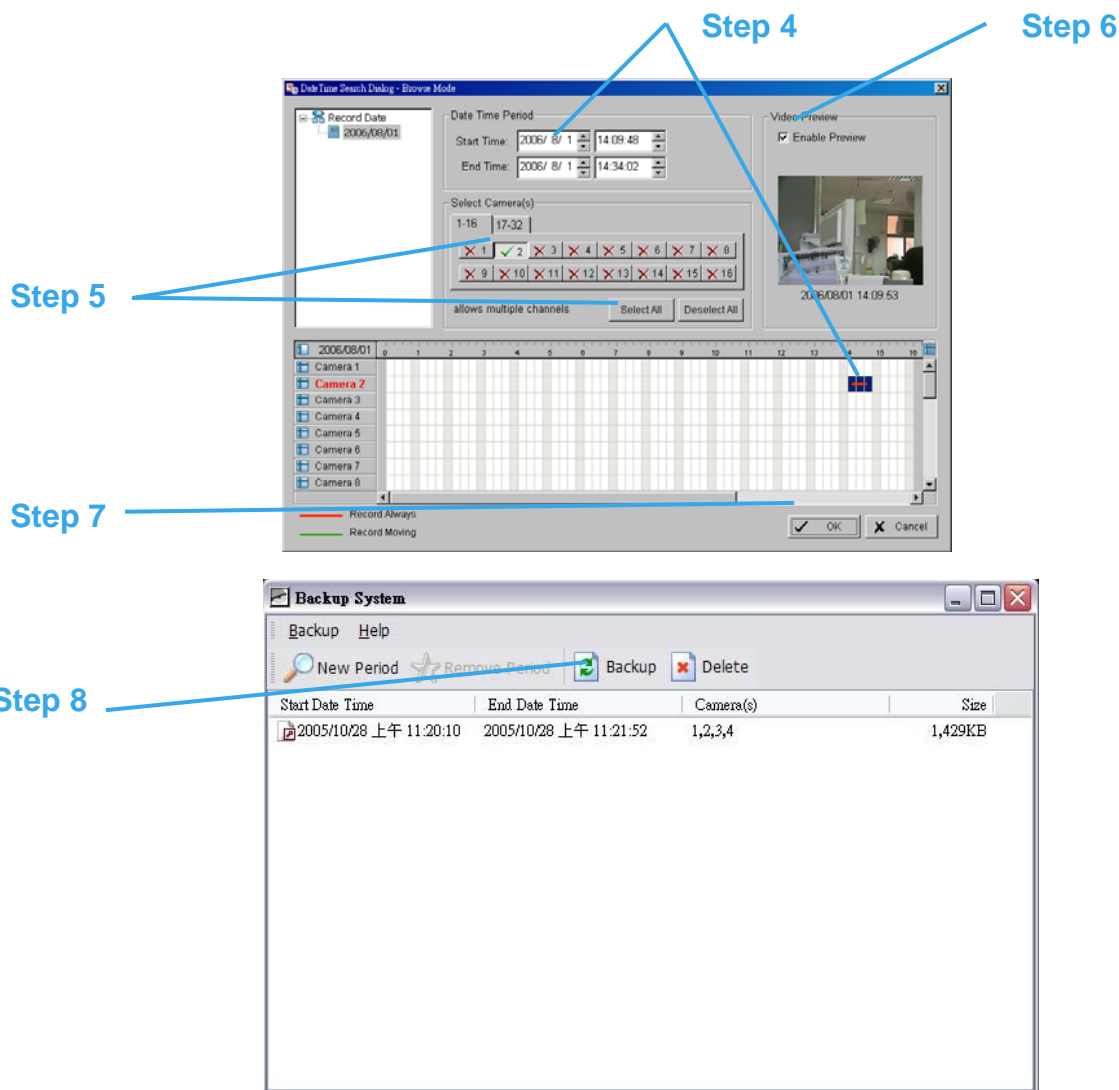
Step 4: Select the data you want to backup by highlighting the time period. Besides the time-table, you may also set up start time and end time in the Date Time Period section.

Step 5: Click on the camera number icon to add camera(s) or click Select All to add all the cameras.

Step 6: Check the box of Enable Preview to get the preview of the video you select.

Step 7: Click OK when the settings are complete and go back to the Backup panel.

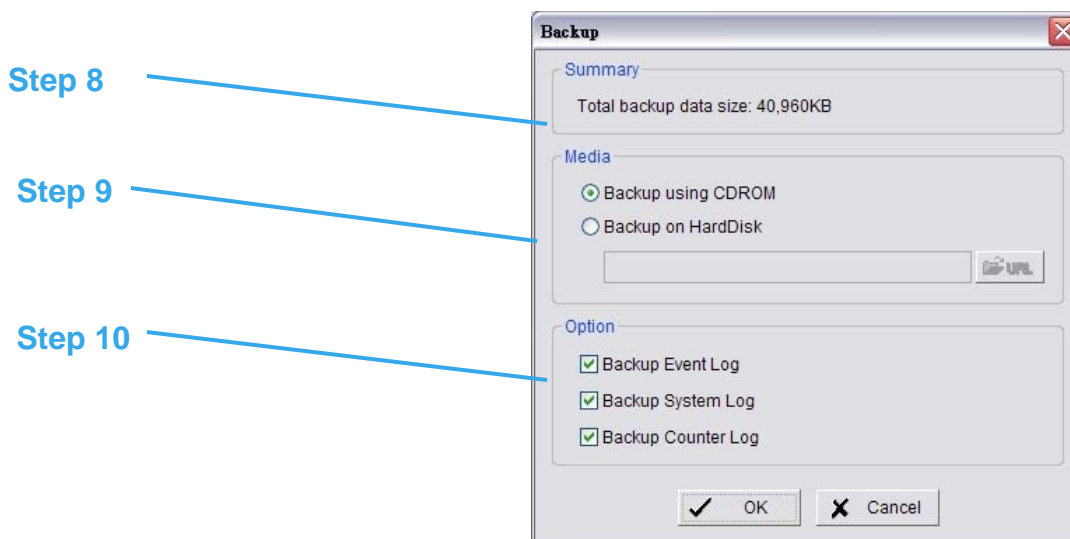
Backup



Step 8: Click the Backup icon to see the size of the file.

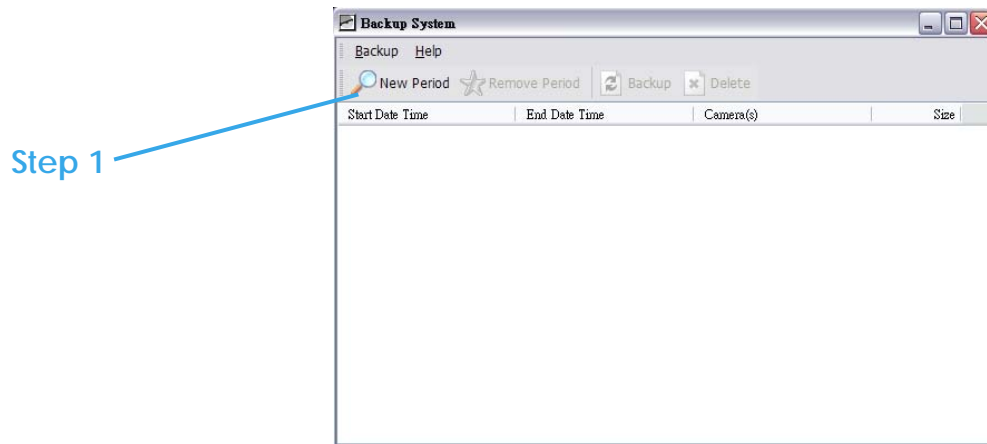
Step 9: Choose the path you want to save the file or burn the file into a CD (direct CD burning for Windows XP only).

Step 10: Select the log information you would like to backup (Event Log, System Log and/or Counter Log) and then click OK.



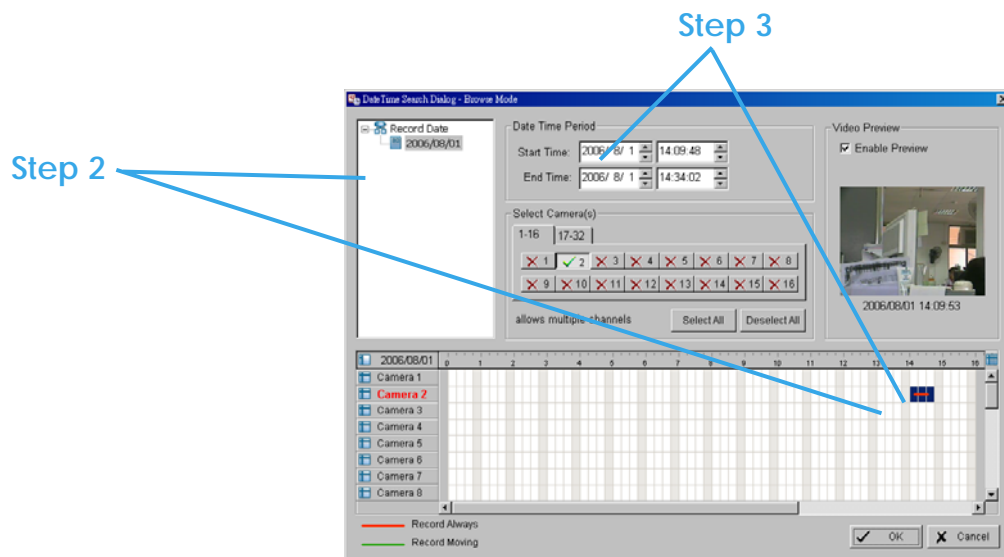
Backup**Delete recorded information from the system**

Step 1: Click on “New Period” to obtain the Select DateTime Period panel.



Step 2: From the record date section, select the date you want to delete the file from. You will see color lines appear in the time table implying available data. Red, green, and blue stands for record always, record on motion, and record on event data files, respectively.

Step 3: Select the data you want to delete by highlighting the time period. Besides the time-table, you may also set up start time and end time in the Date Time Period section.

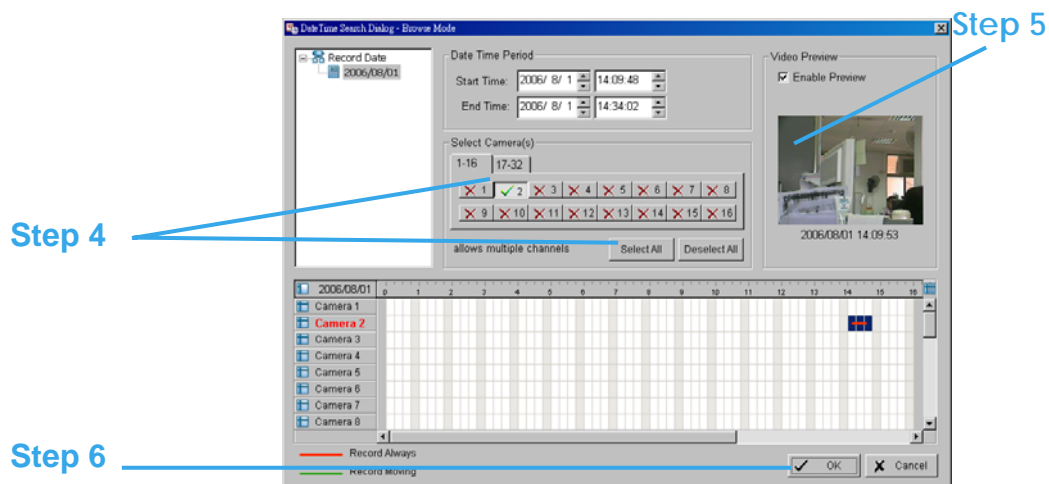


Backup

Step 4: Click on the camera number icon to add camera(s) or click Select All to add all the cameras.

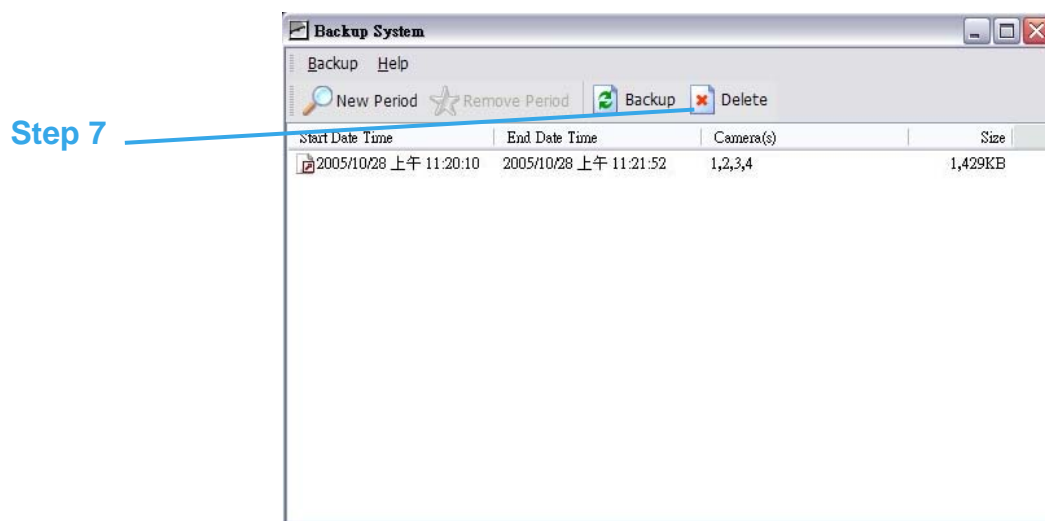
Step 5: Check the box of Enable Preview to get the preview of the video you select.

Step 6: Click OK when the settings are complete and go back to the Backup panel.



Step 7: Click on the “Delete” icon and delete the data.

Note: the deleted video cannot be recovered.



How to Use IP CamSecure in VISTA

Step 1:

Start->Control Panel

Step 2:

Click "User Accounts"

Step 3:

Click "Turn User Account Control On or Off"

Step 4:

Disable "Use User Account Control(UAC) to help protect your computer", then click "OK". Now, you can use IP CamSecure in VISTA.

