



# IP CamSecure

## User's Manual

Ver. 1.00-0609

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# Installation

## Minimum System Requirement

	IP CamSecure	FCS-8004
CPU	Intel Pentium D 930	Intel P4 2.4 GHz
RAM	1 GB	512 MB
Mother-board	Intel 845 or 865 chip, Intel Chipset recommended	
Display	ATI Radeon 9200, nVIDIA GeForce FX-5200, Intel 845G/865G, or above (ATI recommended)	
Hard Disk	80 GB or above	
OS	MS Windows 2000 / XP	

## 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.

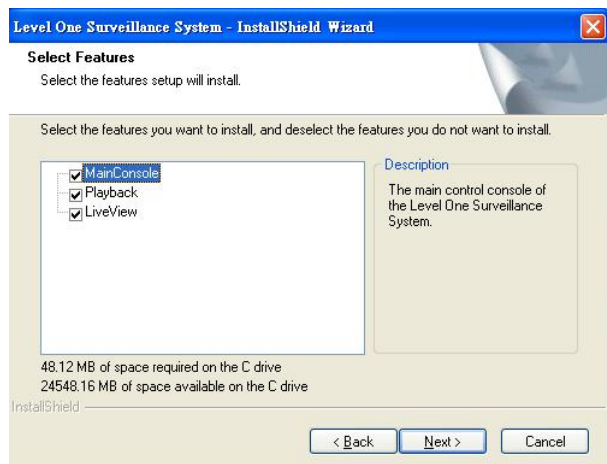
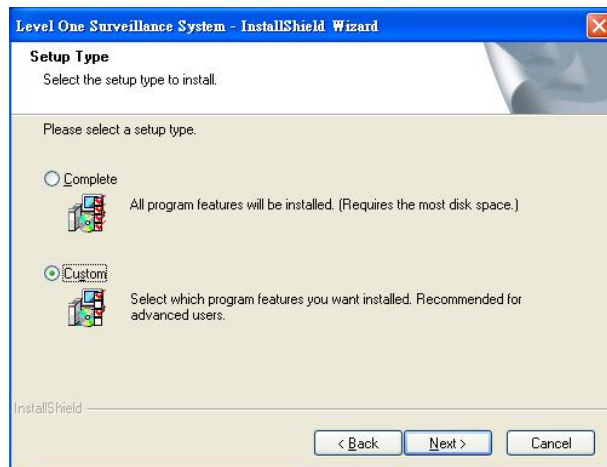
Step 6: After driver being installed, restart your PC.

Run Setup.exe from the CD-ROM root directory and follow the onscreen instruction to complete installation.

### Custom Setup Type:

You may install the system to the directory of your preference and choose which feature you want to install to the PC.

Hint: You may, for instance, install only Playback and/or LiveView on the PC at home or other remote site from which you do not install the camera but are going to watch them remotely.



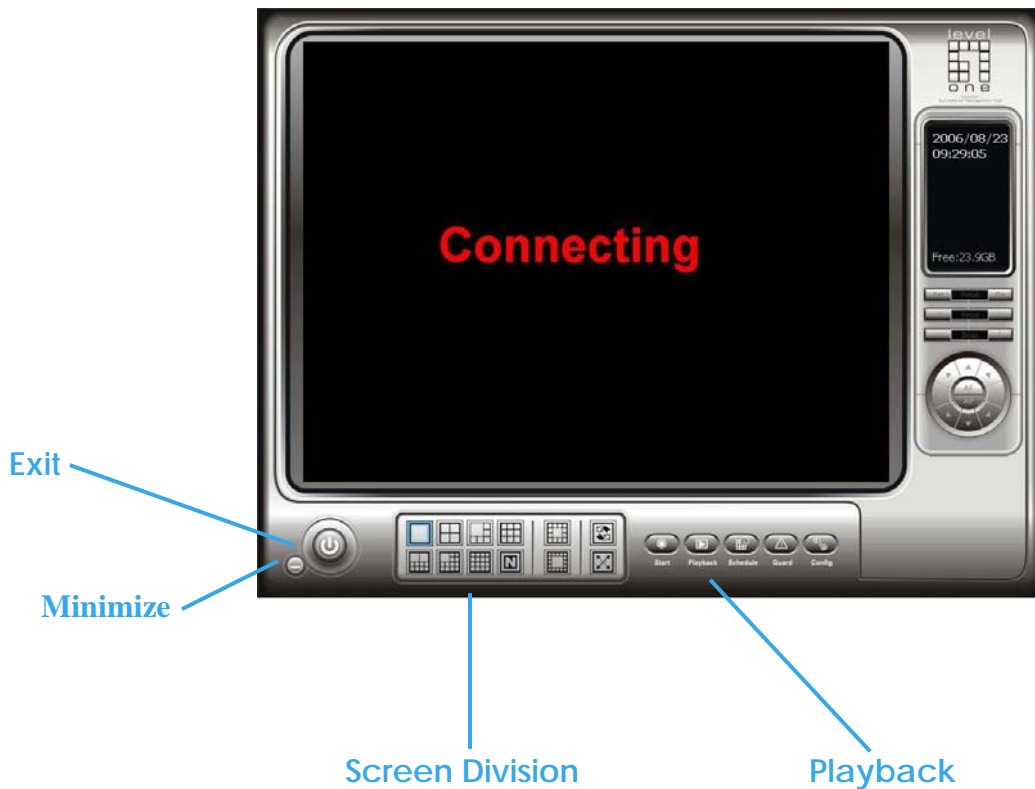
**\*\*IP CamSecure Lite32 is free bundled with LevelOne IP camera and Capture Card.**

**\*\* IP CamSecure professional version is available upon purchase. While using IP CamSecure Pro32 ,please plug the included USB dongle into USB port as a license key.**

# Main Console



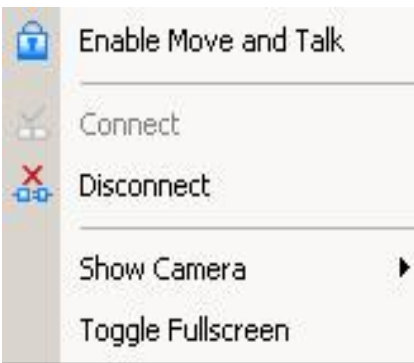
The main operation system. To activate schedule recording, setup smart guard and configure system setting.



**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.

**On Screen Menu:**

Right click on the camera screen and get the On Screen Menu from which you can Enable Move and Talk, and Connect / Disconnect the camera.

Note: You can only work on current camera after clicking Enable Move and Talk. With a PTZ camera locked, you may control it by clicking the screen. You can also talk to a camera with the two-way audio function.

**Show Camera:** You can also put another camera on the particular screen by selecting a camera from the menu.

**Toggle Fullscreen:** Click and switch to full screen display.



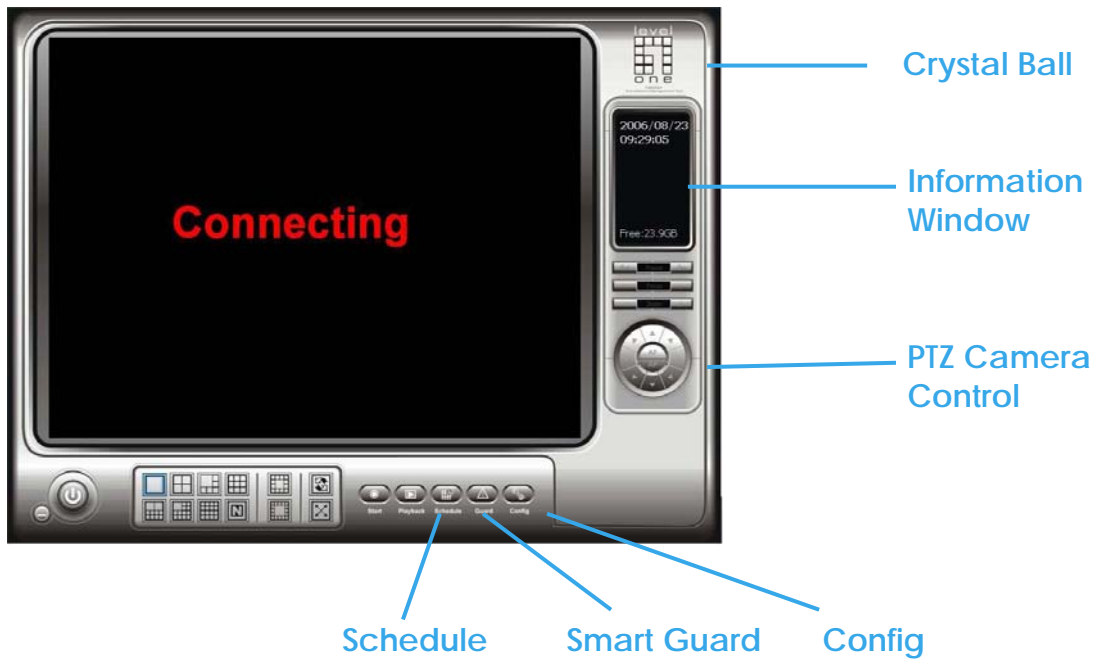
**Playback:** Click the icon to get Playback Console. You can watch recorded video, search, adjust image from records data, save video pictures and print images, check log in information, event records and setup recording function configuration. See Playback in detail on later pages.





**Start:** Click on the pull down menu to Start/Stop Schedule System, Start/Stop Smart Guard System, Start/Stop Counting Application or click on Start/Stop Monitor All to activate/ deactivate all the functions above. Stop alarm by clicking Open Event Report. You can also cancel all events by click the Crystal Ball, see it in detail on later pages.

Note: The system will consider everything in the screen is normal when you click Start to activate monitor function. Therefore, for example, if you want to detect Missing Object, be sure the object that you want to protect is in its position when you click Start bottom.



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

**Smart 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.

**PTZ Camera Control:** Control the movement of installed PTZ camera.

**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.

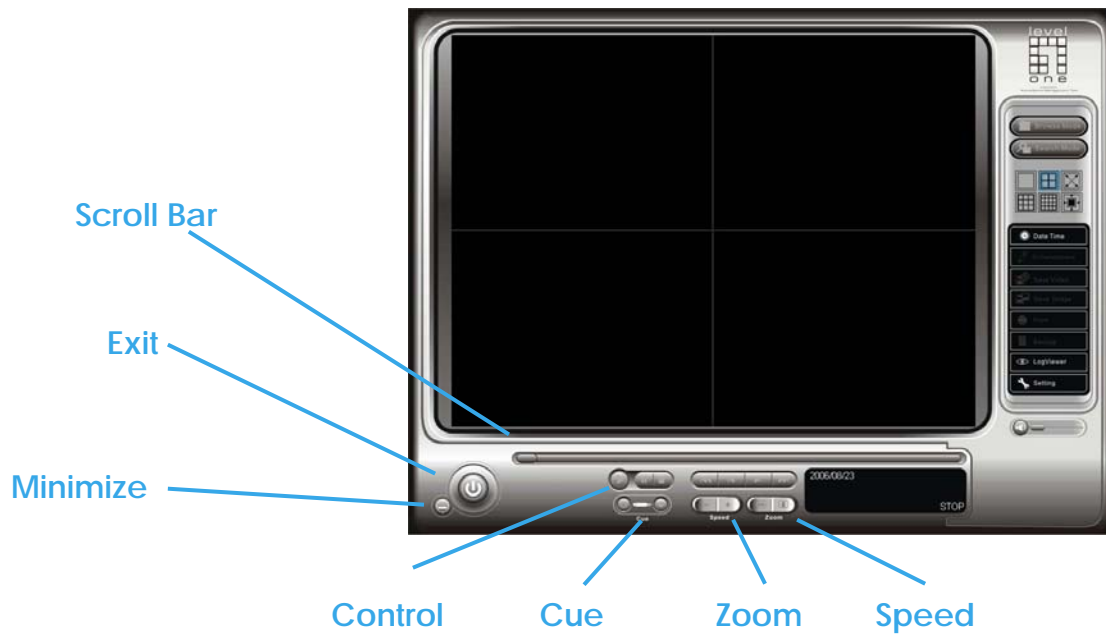
**Crystal Ball:** Indicates the working status of the system. In blue color rolling when system is recording; in red when event detected. When the Crystal Ball is red, click it can you can cancel event(s).

# 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 Pro32 simultaneously.**



**Scroll Bar:** Quick search on the video, drag it to where you want to review.

**Exit:** Turn off the Playback Console.

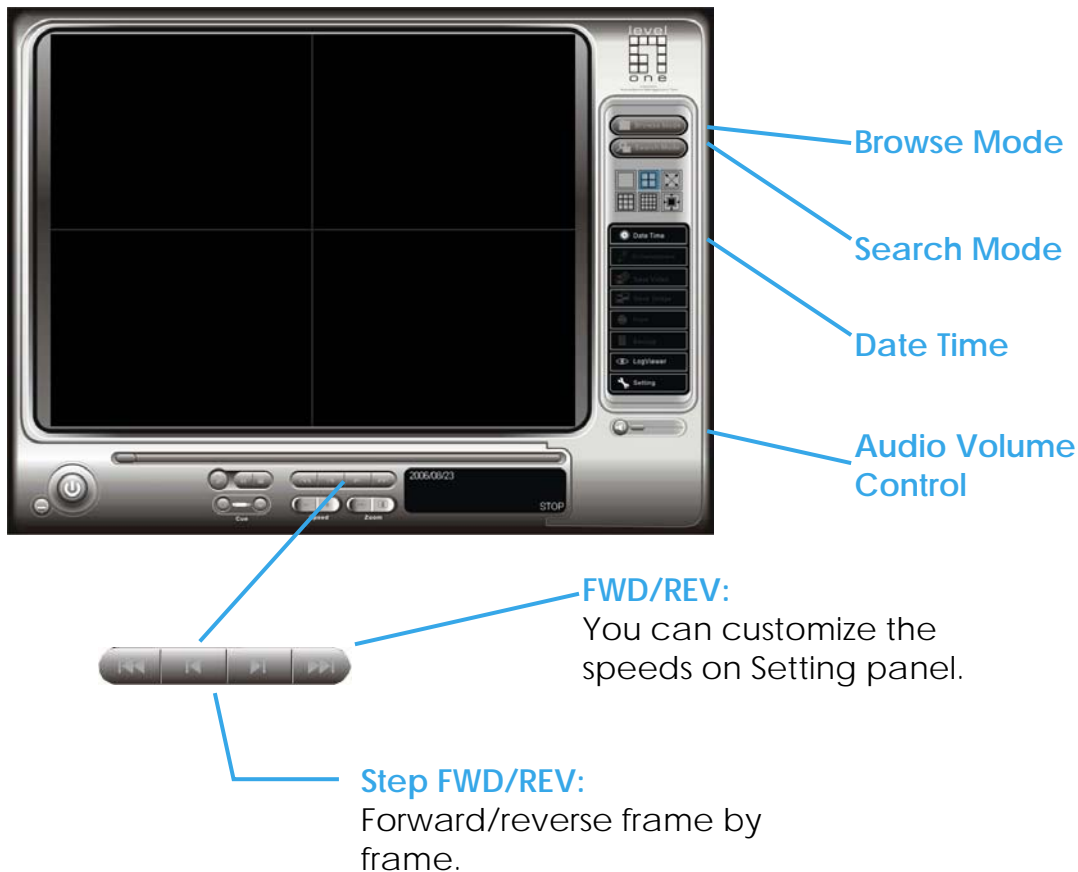
**Minimize:** Minimizes the playback Console window.

**Control:** Play, pause and stop the video.

**Cue:** Set up the Cue In and Cue out points of the clip you want to save as a video clip or a back up file with all the information recorded (including log info, events reported and so on). Cue In and Cue Out time will show on the Playback Information display once they are set.

**Speed:** Controls the play back speed, speed up and down.

**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.

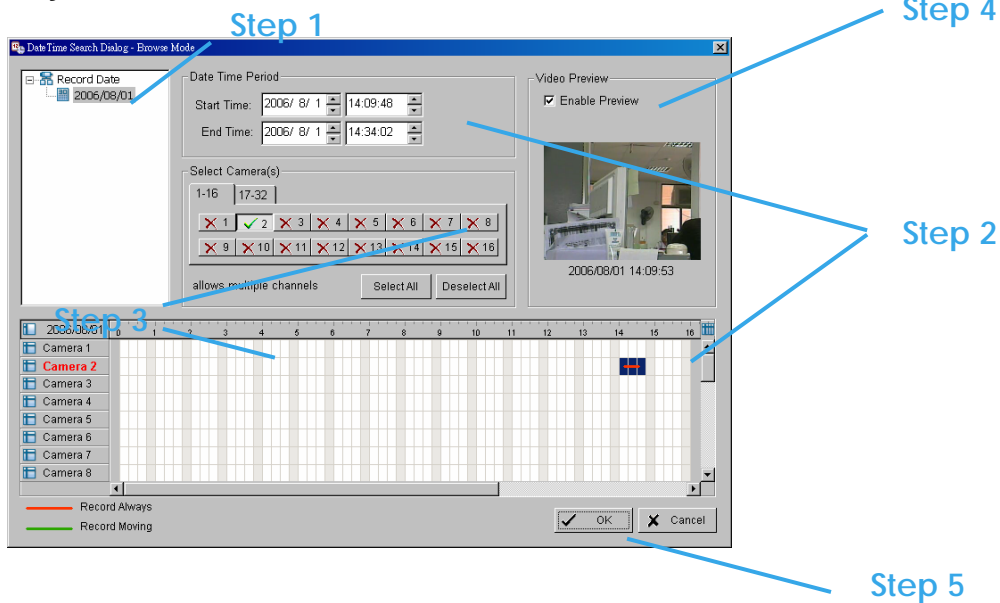
**Search Mode:** Click on the Search Mode icon and get the Intelligent Search Tool panel. You can setup unusual events here to detect abnormality that occurred during the video was recorded. To setup unusual events, see this in detail on later pages.

**Audio Volume Control:** Adjust the sound level.

**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.

## Playback

### Day-Time Panel



### To withdraw the record

Step 1: From the window at the top left of the Day-Time Panel, select the date you want to check, and you will see red/green lines show on the time table implying available recorded video.

Step 2: You can select the video clip you want to review by left-clicking and dragging to highlight the time period. Besides using the time-table, you may indicate the time period of video that you want to see by using the Start Time and End Time in Date Time Period section.

Step 3: In Select Camera(s) section, select the camera(s)/channel(s) from which you want to see the video. You can select all the cameras by clicking Select All bottom.

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

Step 5: Click OK when you are satisfied with the setting.

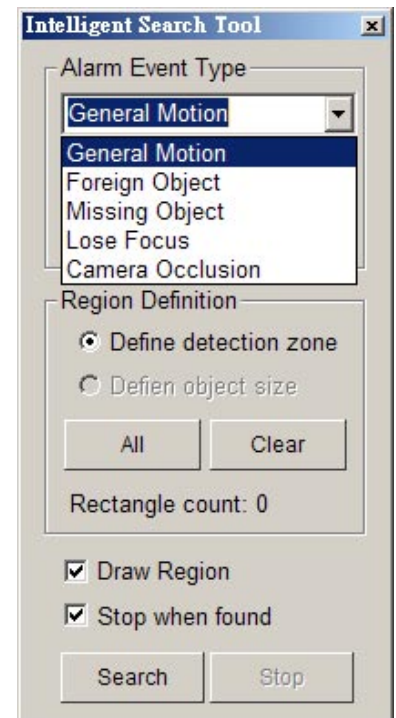
**Intelligent Search Tool panel:**

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:

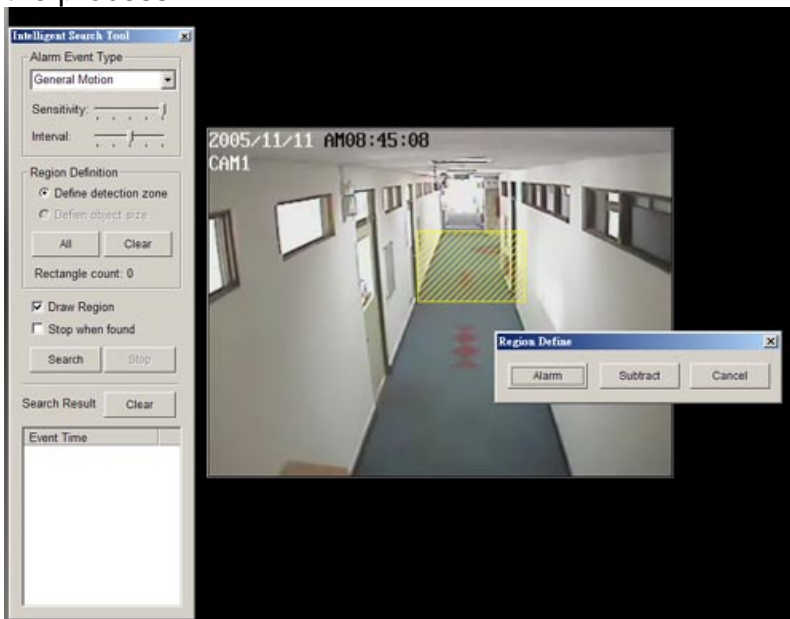
- General Motion
- Foreign Object
- Missing Object
- Lose Focus
- Camera Occlusion

**\*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.

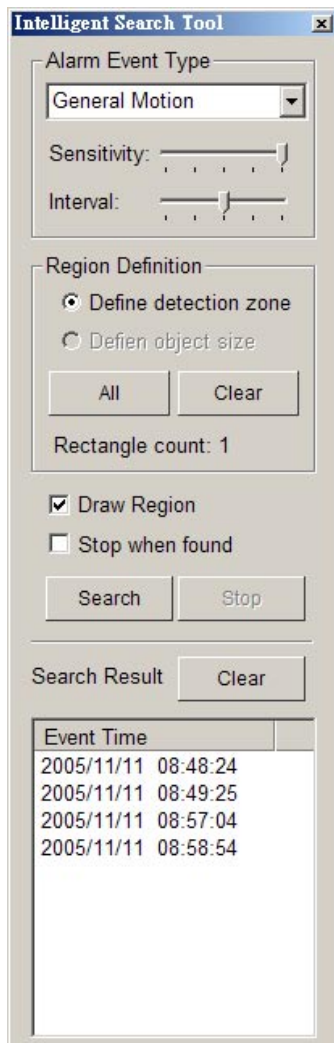


## Playback

### 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.

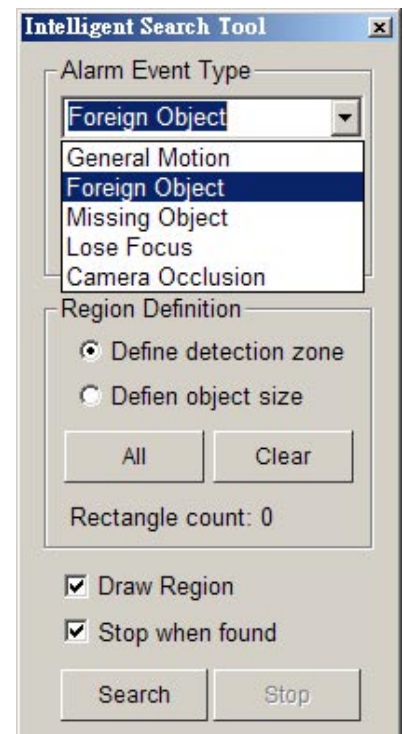
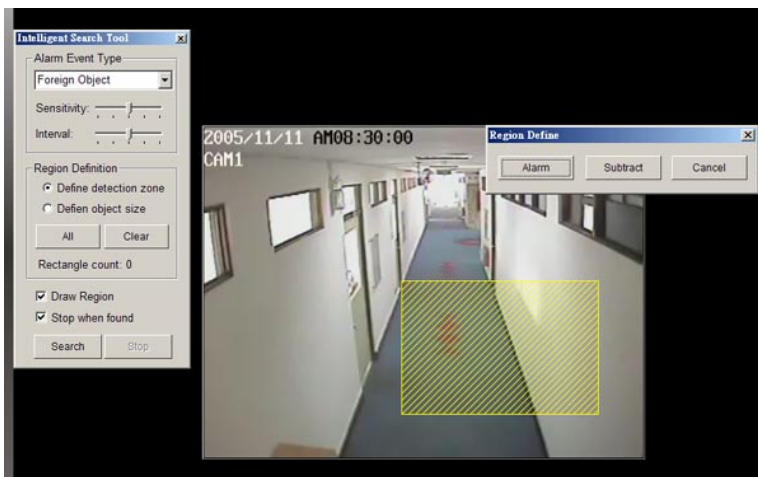
Click on the listed event date/time, you will jump to the point in the video where a motion is detected.



**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.

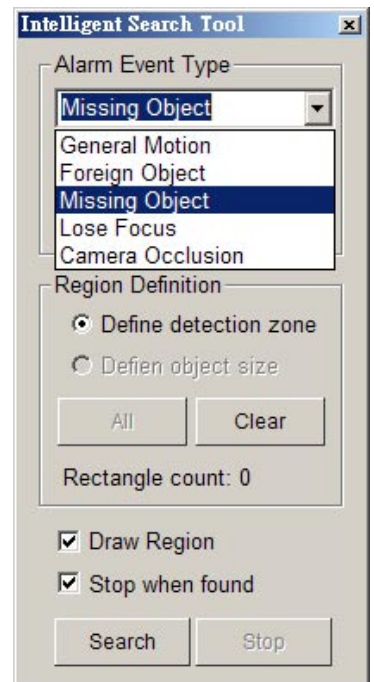
**Intelligent Search Tool panel:**

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.



## Playback

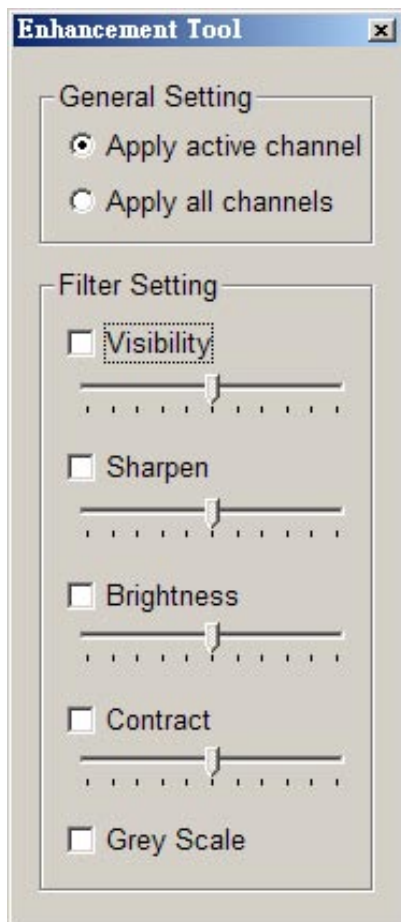
### Unusual Event - Missing Object / Lose Focus / Camera Occlusion

**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.

### Save Image

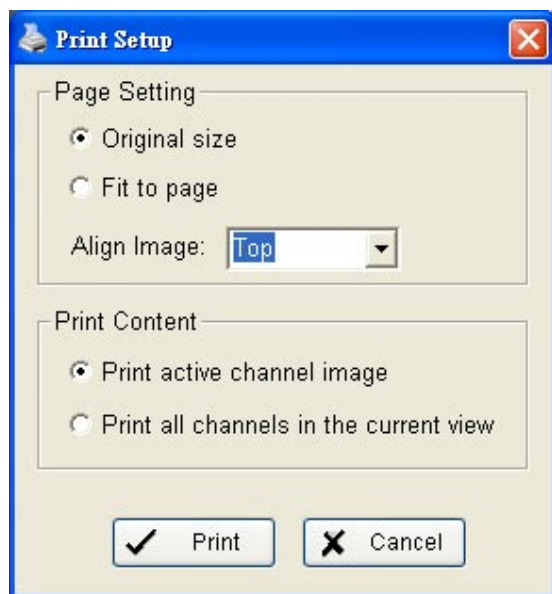
Step 1: Chose the camera display from which you want to save pictures.

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, JPEG, GIF, PNG or TIFF) you prefer and then click save.

Note: You may pre-set a folder and format that you want to save the images (see this in detail on later pages.), thus skip Step 3.

## Print



**Page Setting:** Print in original size or fit the page.

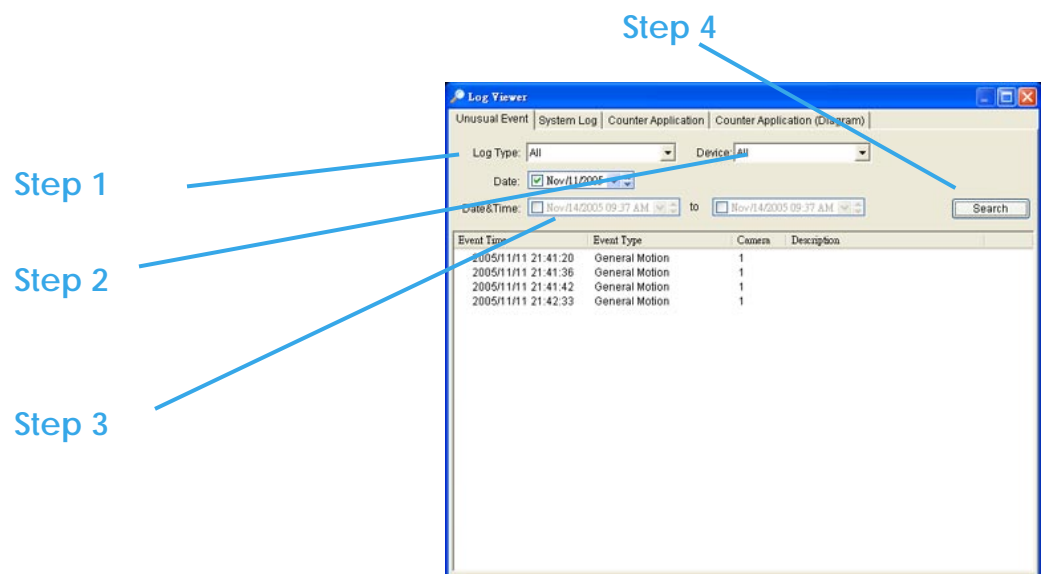
**Align Image:** Top, Center or Bottom

**Print Content:** Print the image from 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 open the Backup file on any PC with Windows OS and have the full function Playback panel on it and take the backup file to elsewhere to work on the recorded video.

**\*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

Event Time	Event Type	Description
2005/11/11 21:39:44	Start Live Streaming Server	
2005/11/11 21:39:45	Start Remote Playback Server	
2005/11/11 21:40:50	Modify Smart Guard	
2005/11/11 21:41:15	Start Smart Guard	
2005/11/11 21:42:39	Stop Smart Guard	
2005/11/11 23:10:11	Stop Live Streaming Server	
2005/11/11 23:10:11	Stop Remote Playback Server	

Step 3

**System Log:** You can choose the Log Type from the pull-down menu, including: Console Startup, Console Shutdown, User Login, User Logout, Start Schedule, Stop Schedule, Execute Recycle, Execute Backup, Enable Channel, Disable Channel, Start Smart Guard.

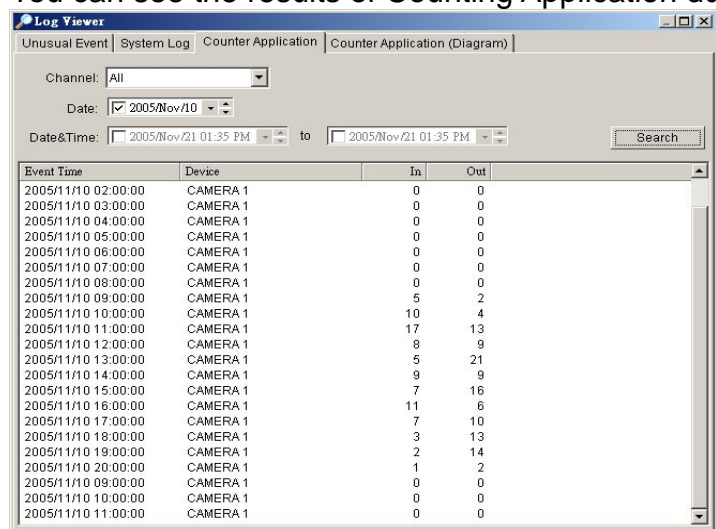
**Step1:** Choose the type of event you want to check or select "All" on the pull-down menu for all types of events.

**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.

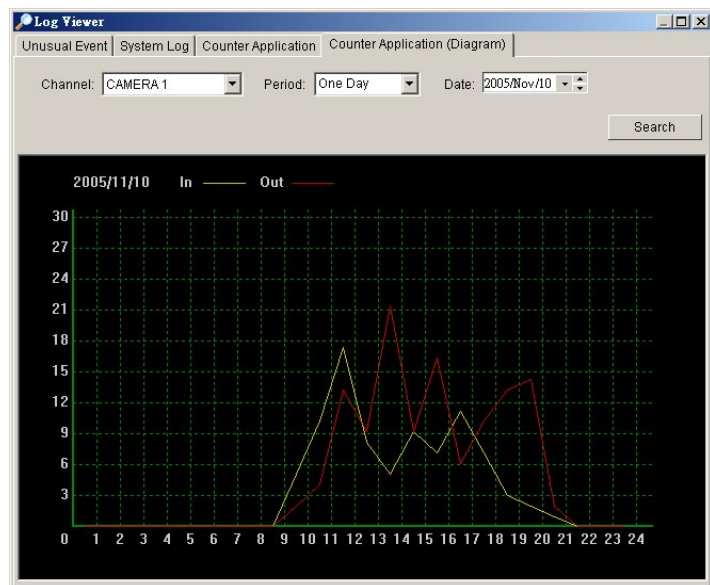


The screenshot shows the 'Log Viewer' application with the 'Counter Application' tab selected. The 'Counter Application (Diagram)' sub-tab is active. The 'Channel' is set to 'All', the 'Date' is '2005/Nov/10', and the 'Date&Time' range is from '2005/Nov/21 01:35 PM' to '2005/Nov/21 01:35 PM'. A 'Search'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

Choose from which location you are going to withdraw the record, from the PC you are working with or to get the 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.

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

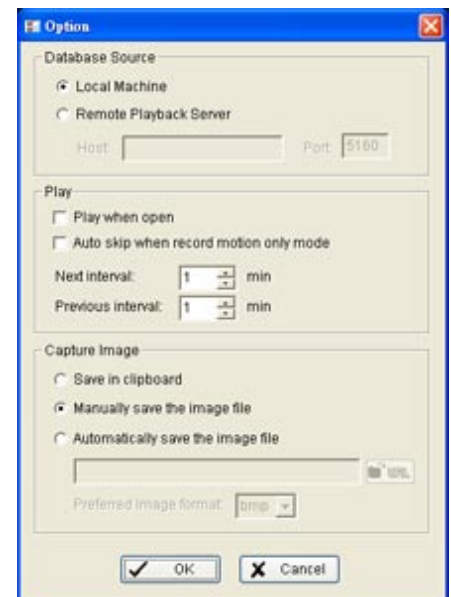
**Previous interval:** Set the interval with which the video goes backward when you click Previous icon on the control panel.

**Capture Image:** Setup how you want to save image.

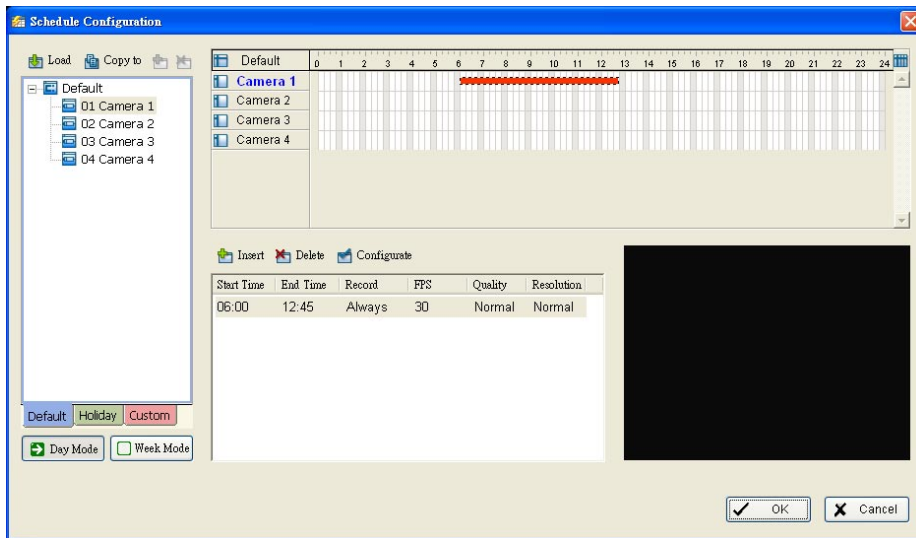
**Save in clipboard:** The image will be saved in the clipboard and be able to paste on other application software.

**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



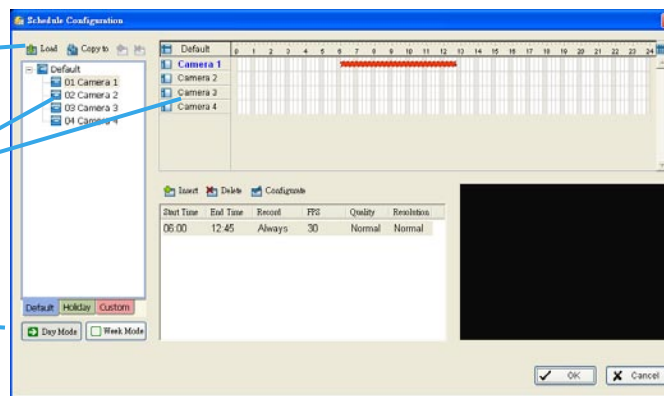
Click on Schedule icon on Main Console and get the Schedule configuration panel to setup the time schedule for video recording.

## Schedule

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

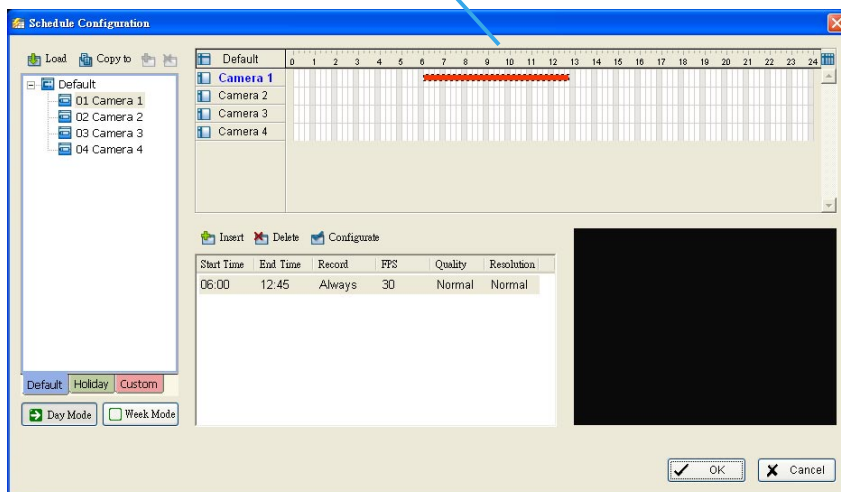
## Schedule

**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

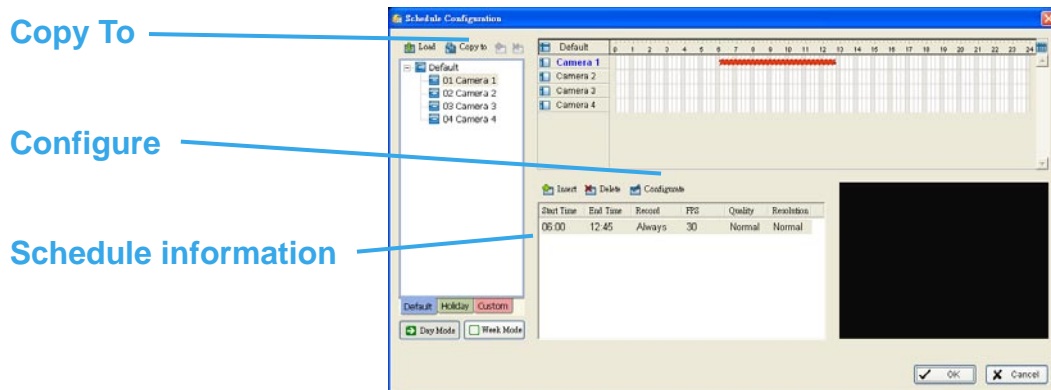


## Schedule

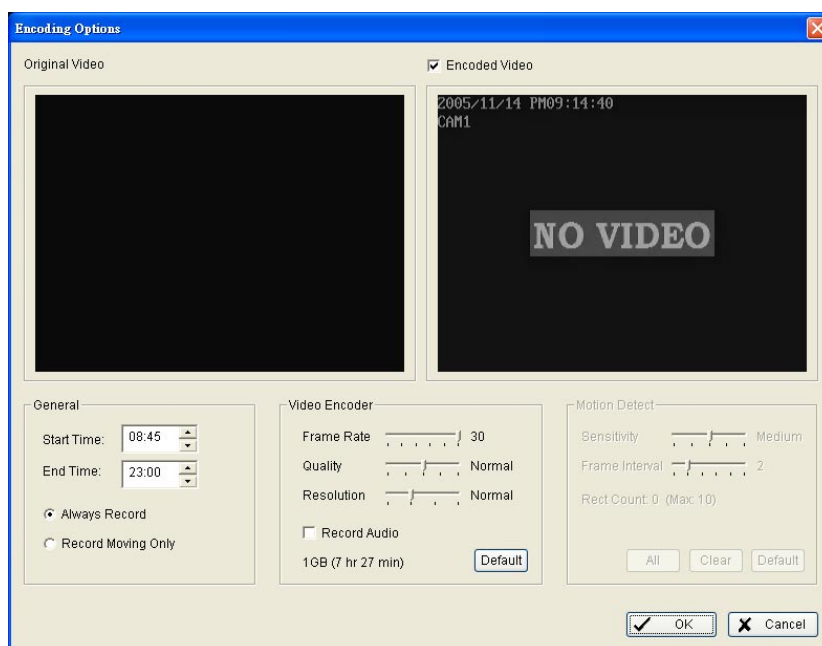
**Option 2:** Click the Configure icon or double click schedule information on the screen (highlighted in blue), get Encoding Options panel and change the setting that you want to.

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

You may setup the schedule for each channel/camera by repeating the process above or apply the setting of a camera to all other cameras by

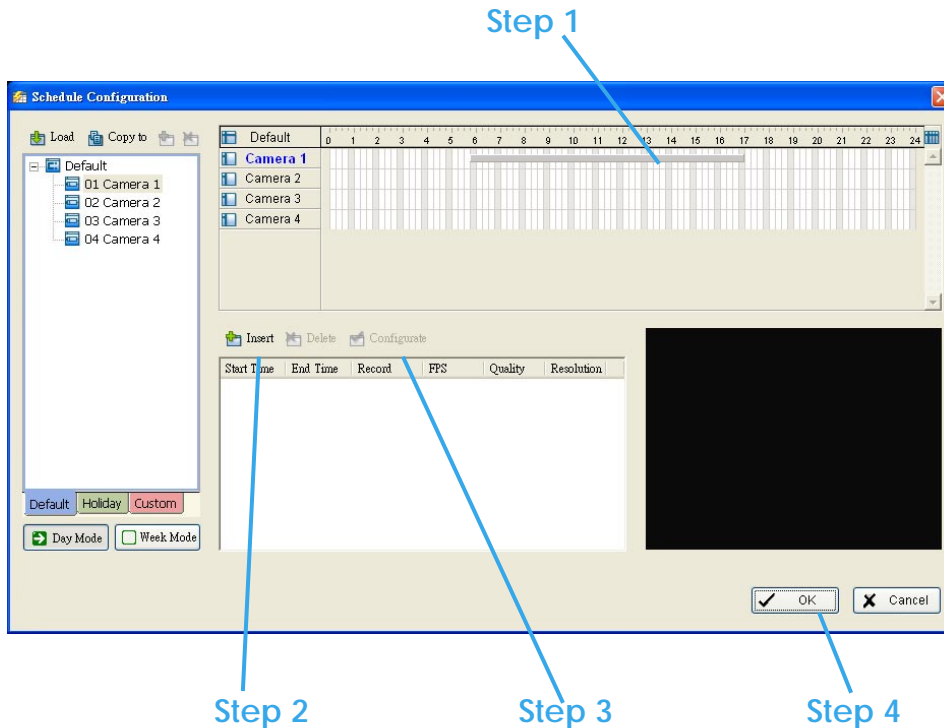


## Encoding Options Panel



## 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.



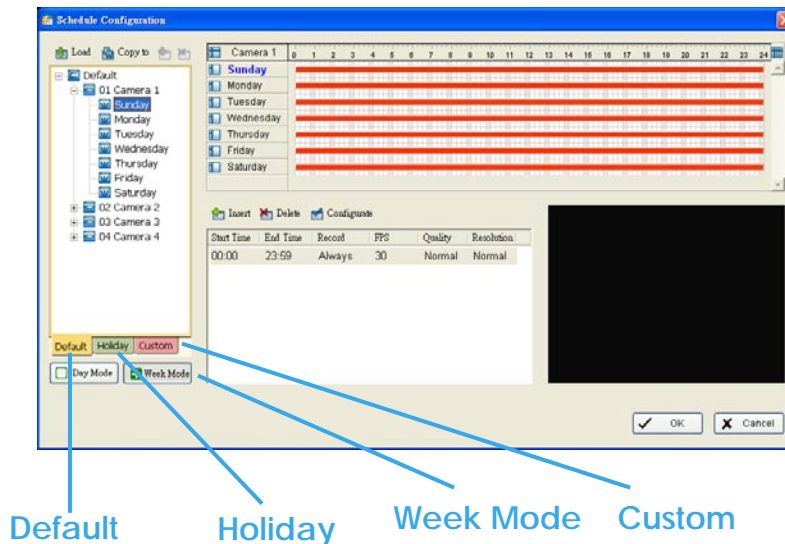
**Step 2:** Click on the Insert icon and add a new schedule with the setting of Regular Mode, that is, to record video during the time period you set with 30 FPS, Normal video quality and Normal resolution.

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

**Step 4:** Click OK.



## Schedule



**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.

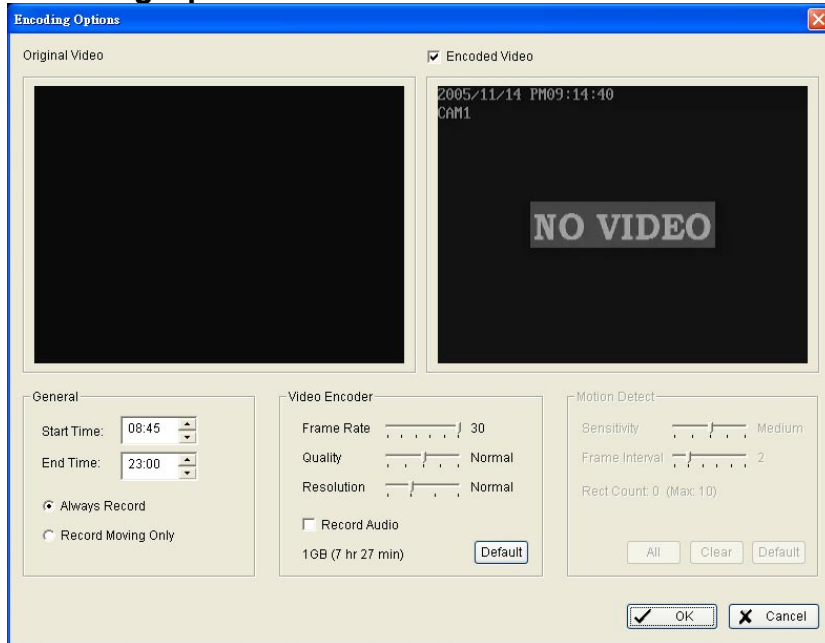
**Holiday:** You may appoint Holiday(s) on which the system will work as the setting of Sunday.

**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.

## Encoding Options Panel



The setting of a schedule can be adjusted in Encoding Option panel.

**General:** Setup Start Time and End Time, select the recording mode from either Always Record or Record Moving Only which may save storage space.

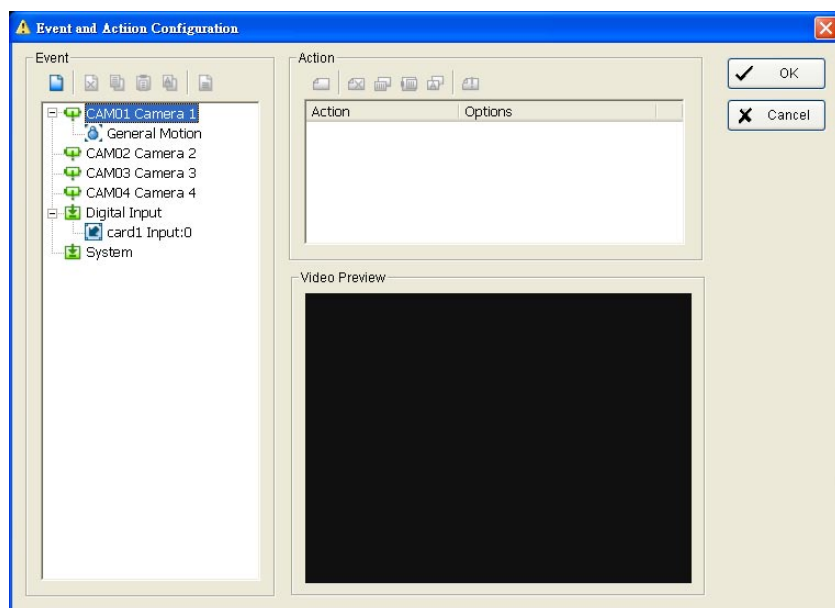
**Motion Detect:** When selecting Record Moving Only, you may change the detection area by drawing a square on the Original Video screen (the default setting is to detect the entire screen.) You can also adjust the Sensitivity and Frame Interval here.

**Video Encoder:** You can adjust the Frame Rate (from left to the right to increase the value), the Quality (move to the right to increase the value) and the Resolution of the image. Higher Quality and higher resolution means better details of image, in the mean while, it will occupy more storage space. Check the box of Encoded video to see the preview and find your balance between storage space and image quality.

**Encoded Video:** Check and see the preview of your setting.

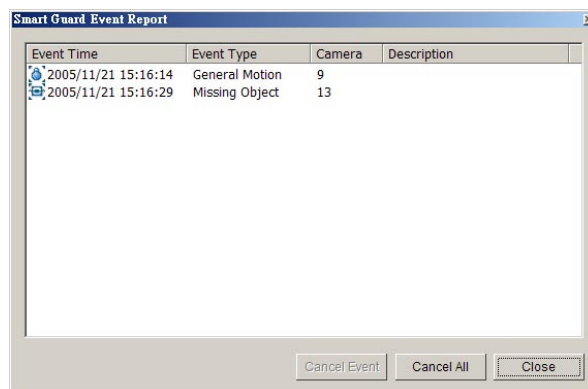
# Guard

**\*Guard is only in IP CamSecure Pro32.**

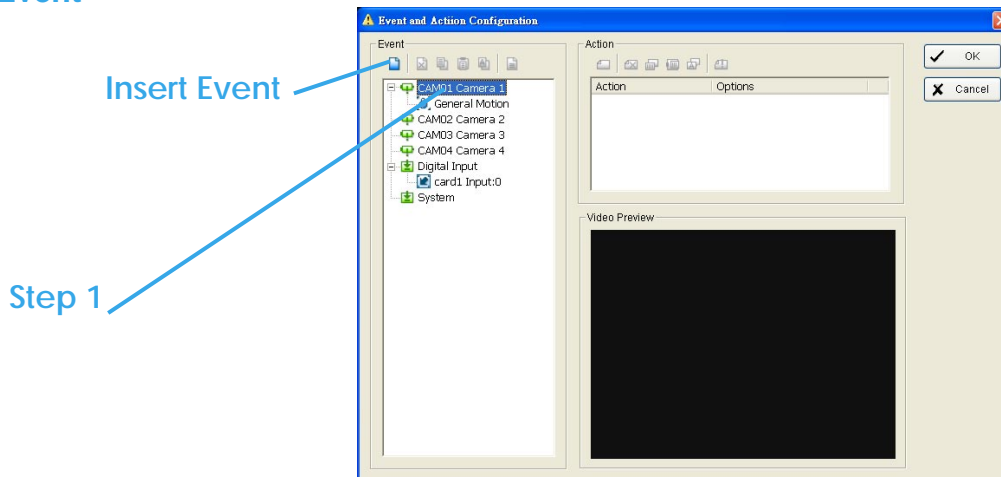


Click on the Guard bottom on the Main Console and start Event and Action Configuration panel. You need to assign an event you want to detect and then set up an action with which the system will react when the assigned event is detected.

**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).



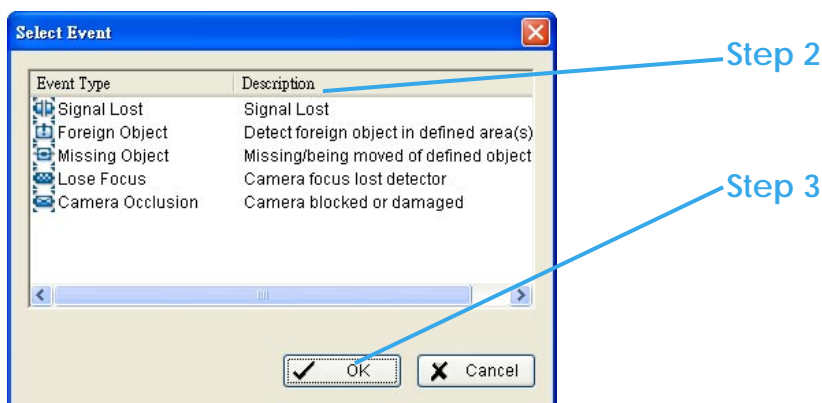
## Event



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**

The image shows a software window titled "Alarm Event Configuration" with a close button in the top right corner. Inside the window, there is a tab labeled "Basic". Below the tab, the text "Camera 1 - Signal Lost" is displayed. There are three main sections: 1. "Enable Event" with a checked checkbox. 2. "Life Cycle" with two radio button options: "Automatic cancel event when event disappear" (selected) and "Manual cancel event or event last triggered". 3. "Activated Period" with two radio button options: "Always Activated" (selected) and "Activated only in the following period". Below the second option, there are two time pickers showing "08:00" and "22:00" separated by the word "to". At the bottom of the window are "OK" and "Cancel" buttons, with a checkmark icon next to the OK button.

**Basic**

**Enable Event:** Check the box to activate.

**Life Cycle**

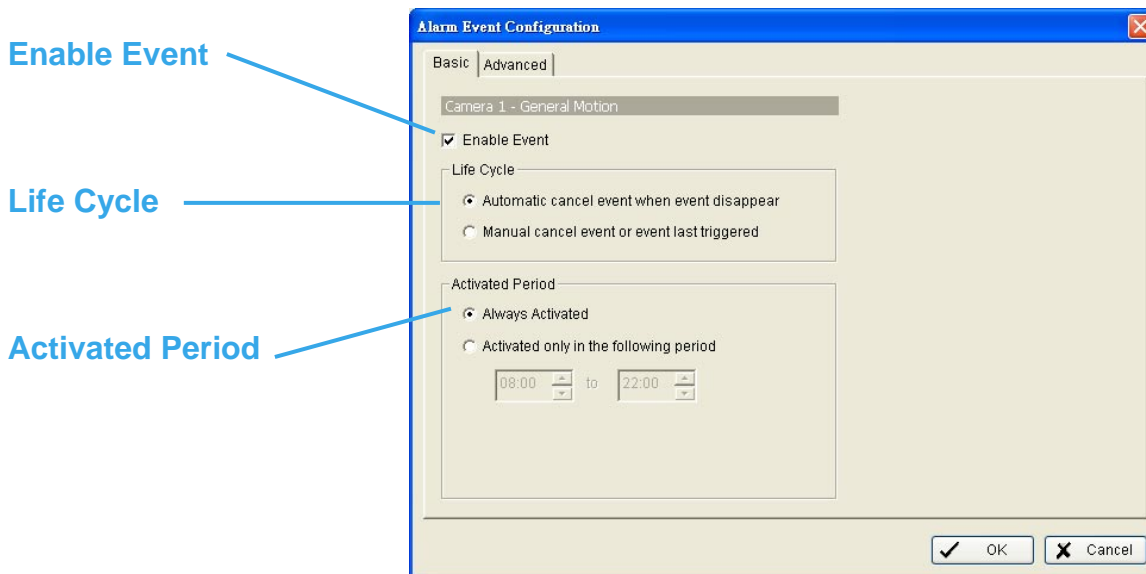
**Automatic cancel event when event disappears:** the alarm/action will be off once the abnormality is fixed or ends.

**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

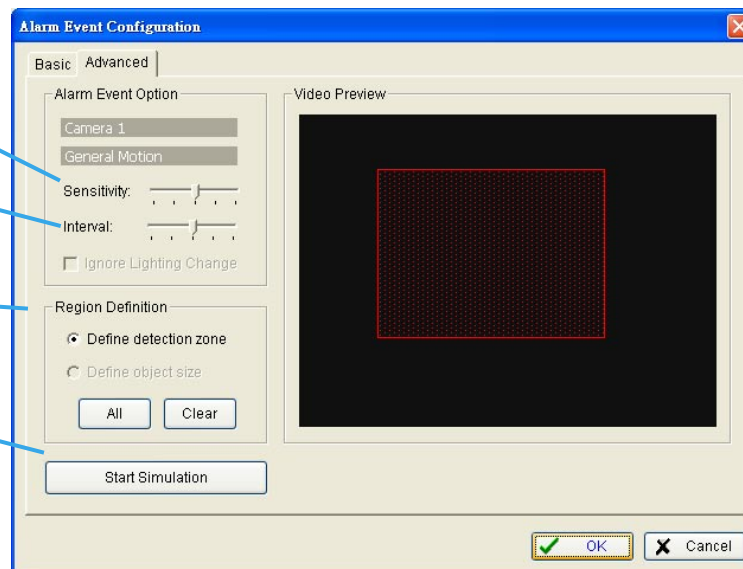
## Event - General Motion

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.

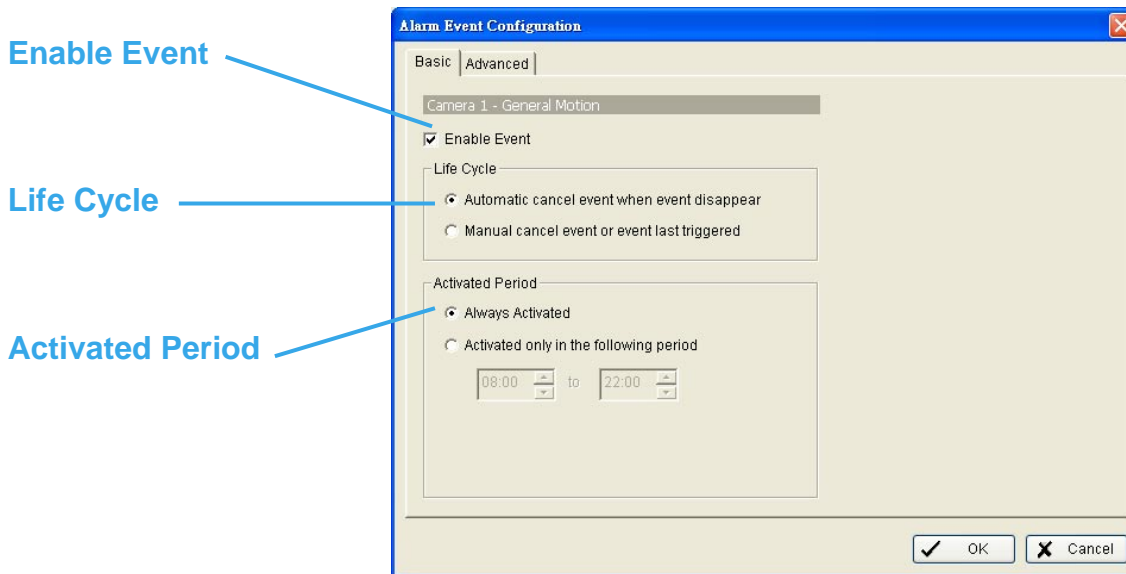
**Region Definition:** To detect General Motion, you have to define a detection zone. Left-click and drag, and draw a detection zone. You may define more than one zone on the screen by repeat the process.

**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

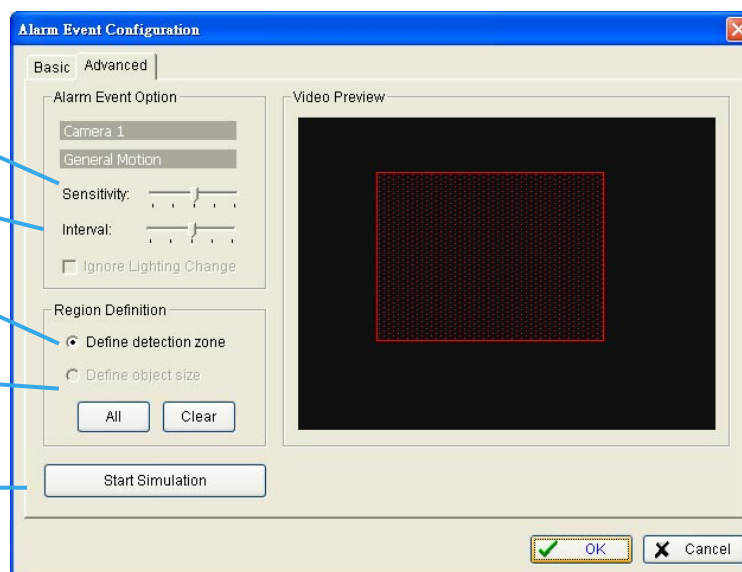
Sensitivity

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

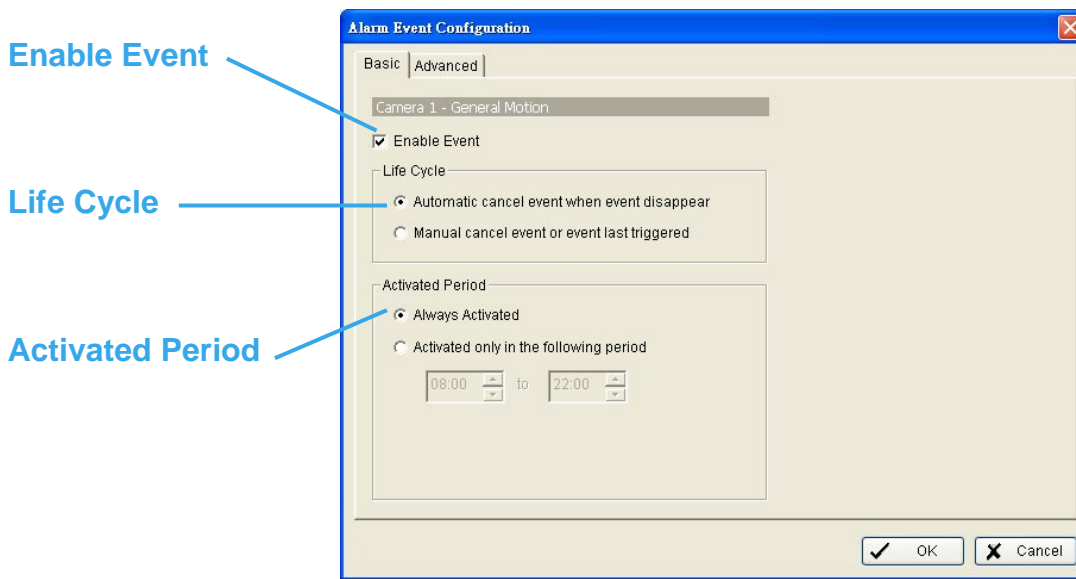
**Hint:** For example, if you want to prevent somebody leaving a briefcase in a hallway, you may put a briefcase in the hallway where the camera is aiming on. On the screen of the camera, draw an area fit the size of the briefcase and define it as the object size; and then remove the briefcase before 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

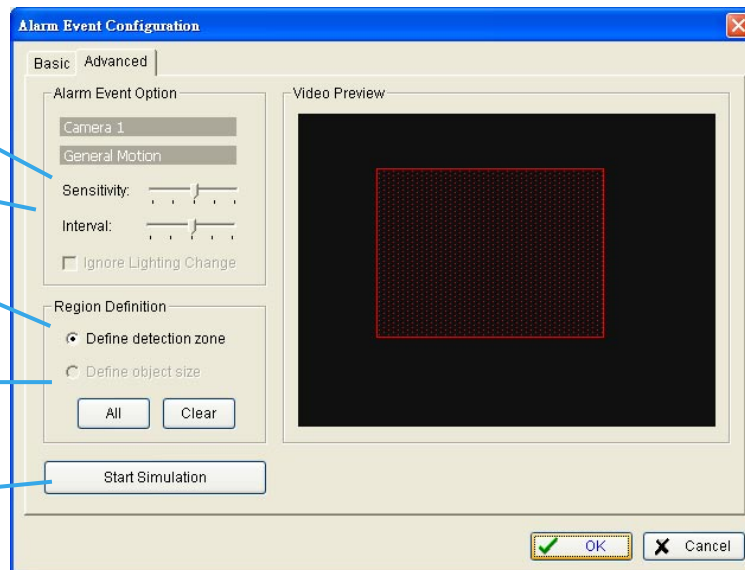
Sensitivity

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.

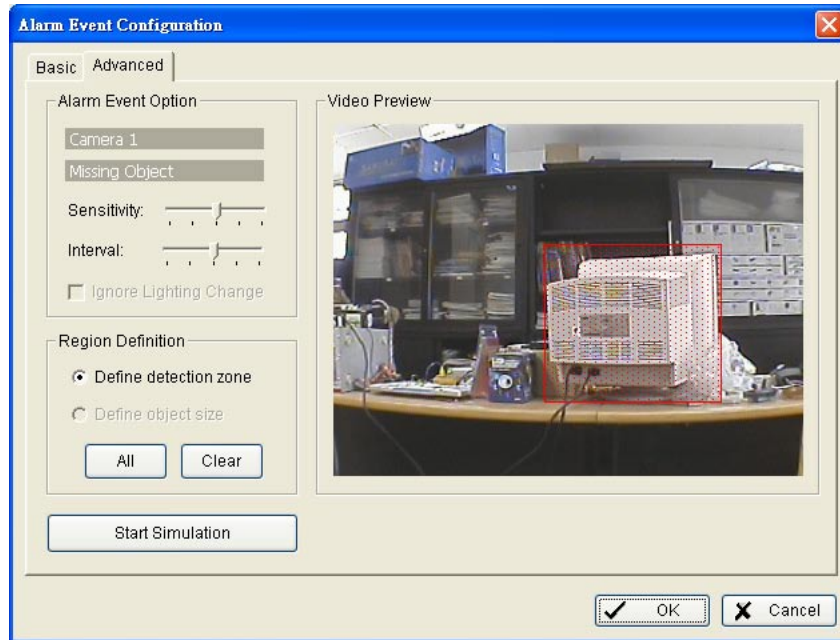
**Interval:** Click and move the control bar to the right to increase interval time, so that the alarm will only be triggered when the movement lasts longer. Move to the left to reduce the interval time.

**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**

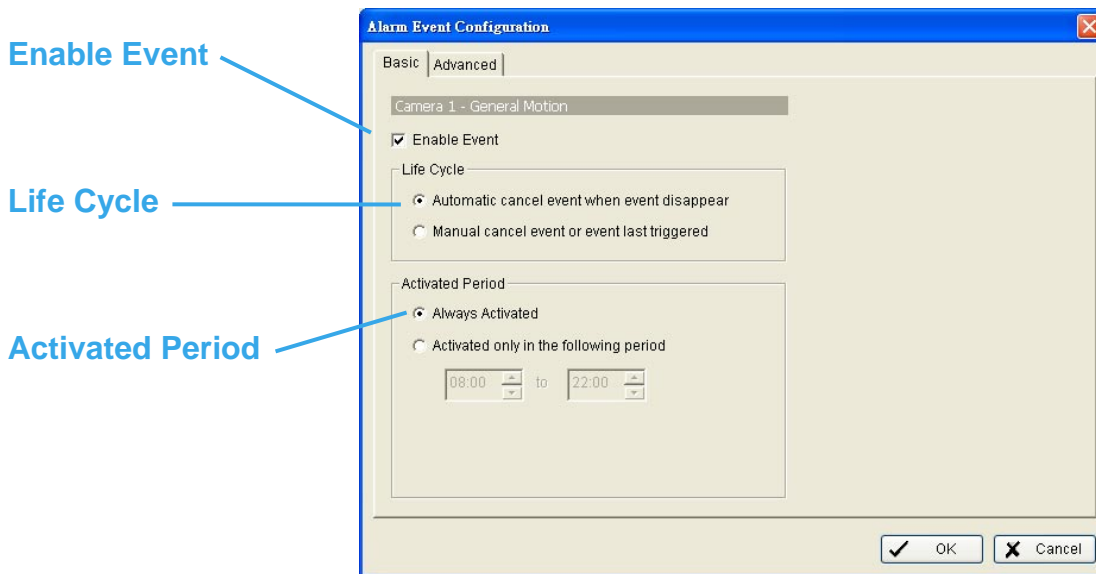
**Hint:** For example, if you want to prevent somebody remove the computer monitor on the desk; draw an area fit the size of the monitor on the screen.



**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.

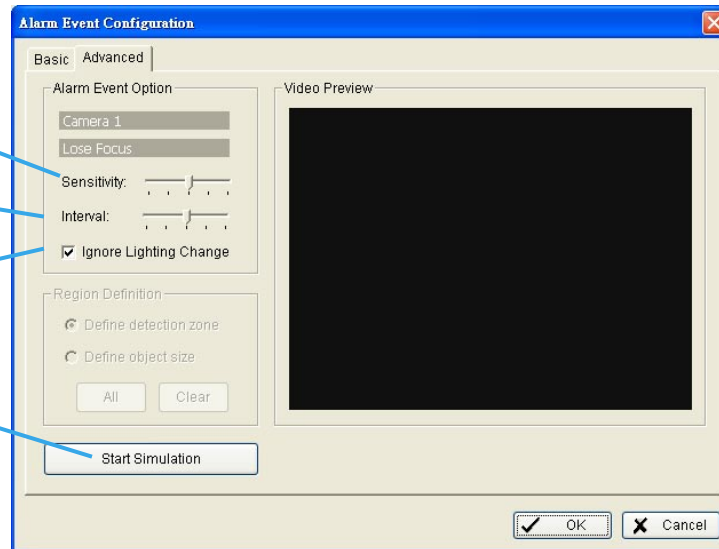
## Guard Event - Lose Focus

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.

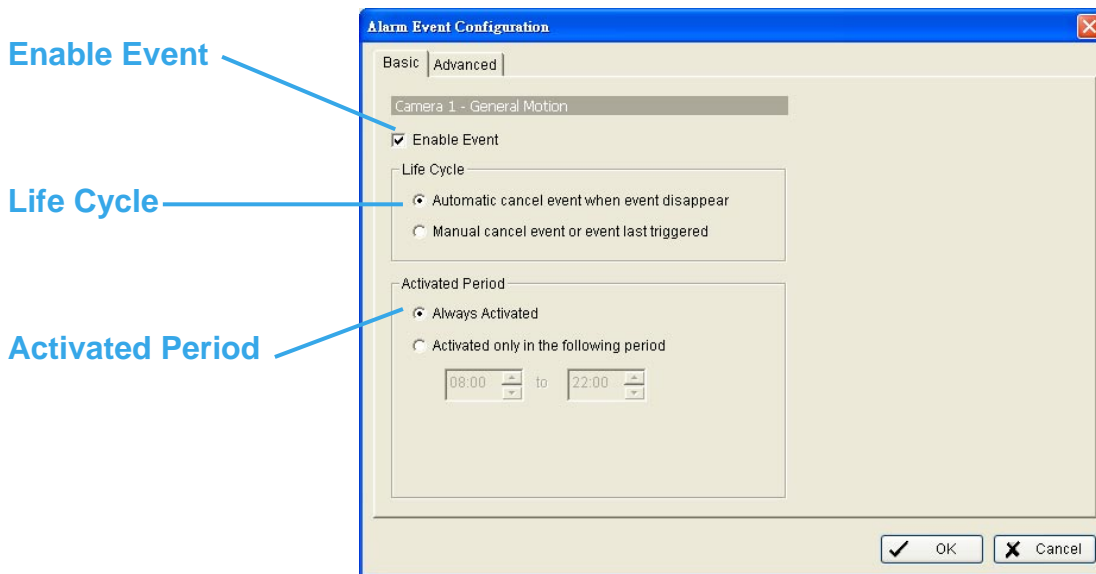
**Ignore Lighting:** Check the box to avoid alarm being set off by light changing.

**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.

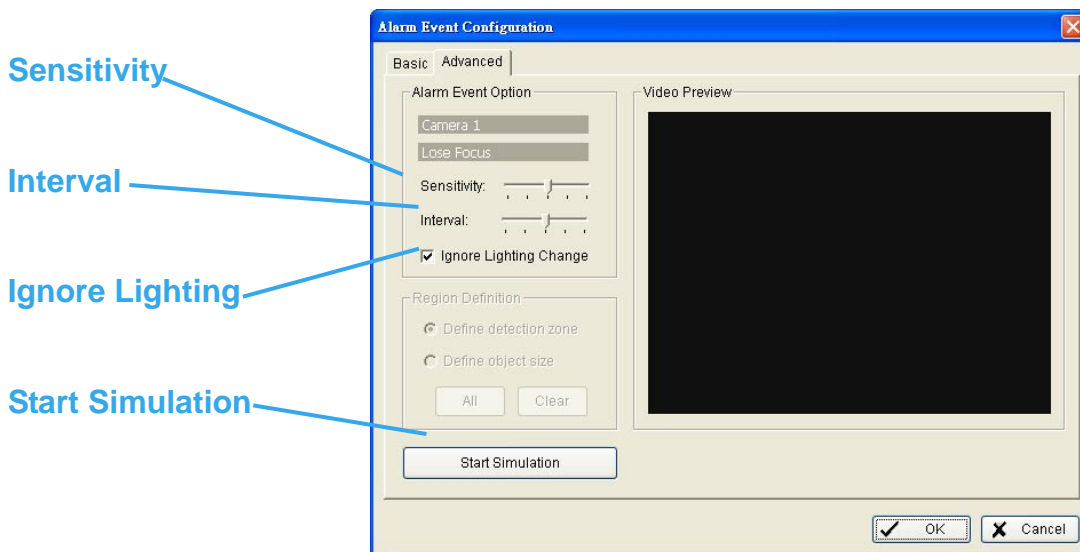
#### Life Cycle

**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.

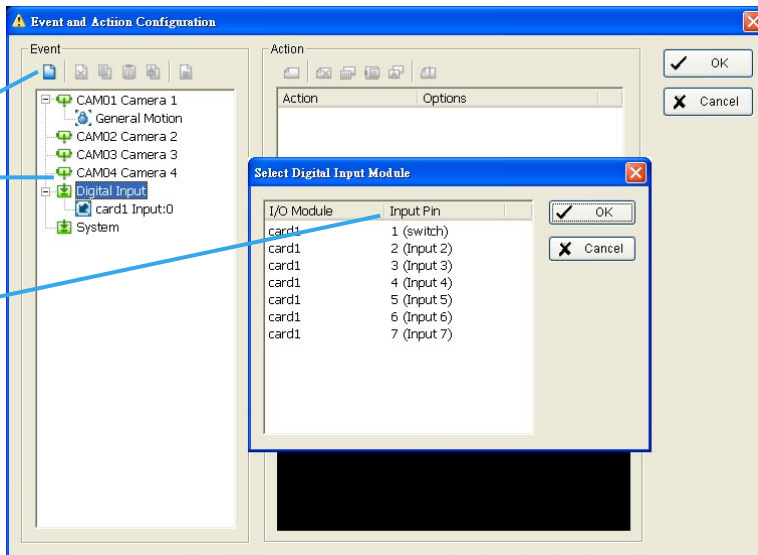
**Start Simulation:** Click Start Simulation bottom and test the function on the preview screen.

## 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

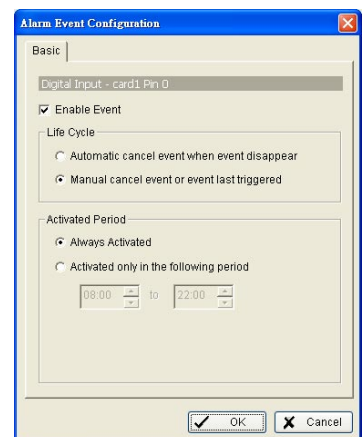
**Enable Event:** Check the box to activate.

## Life Cycle

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

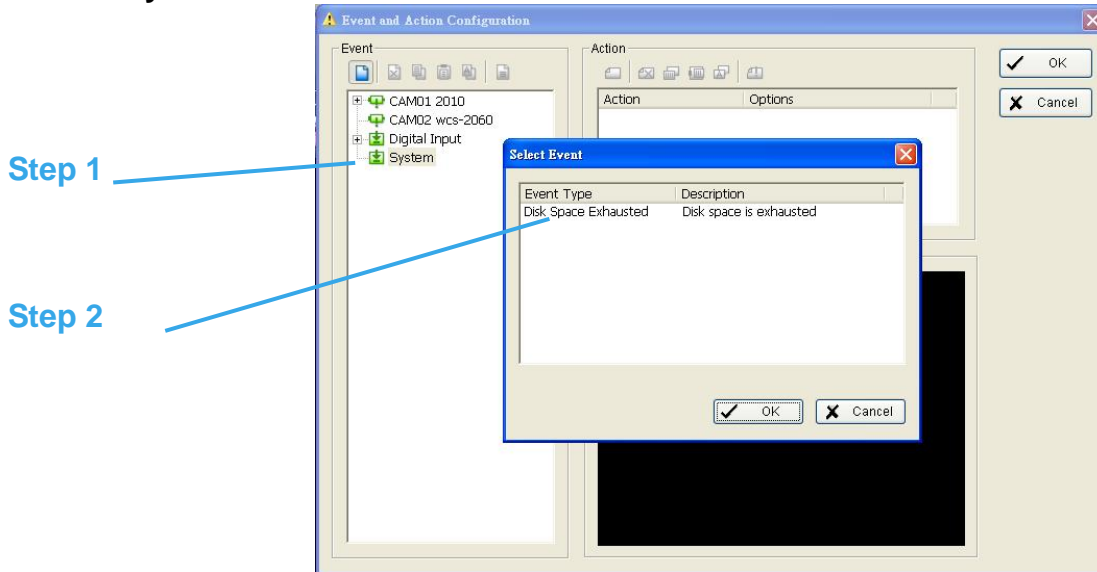
**Manual cancel event or event last triggered:** The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

**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

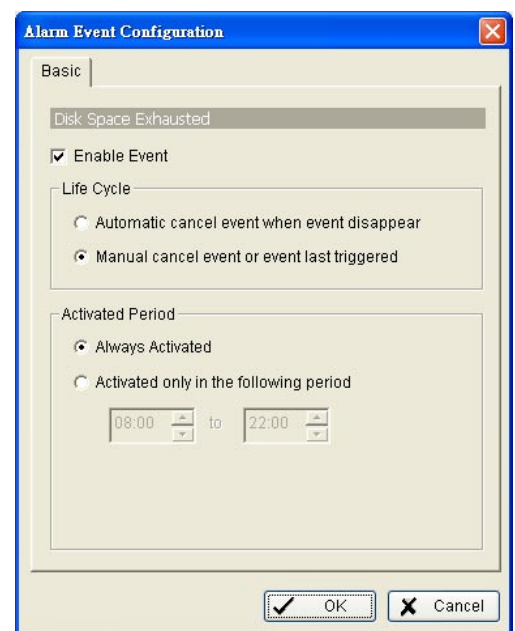
**Enable Event:** Check the box to activate.

### Life Cycle

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

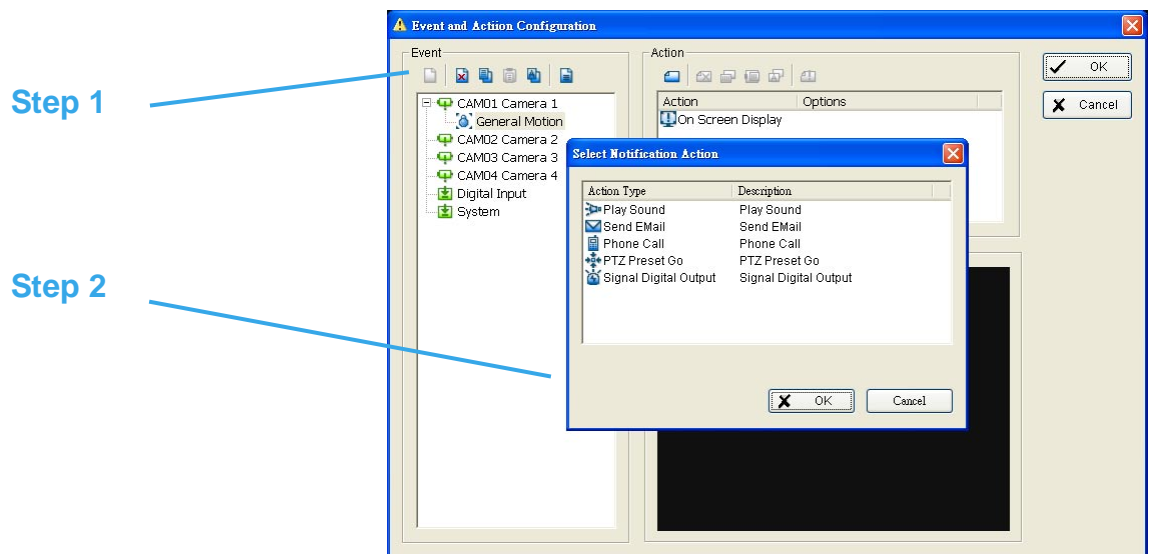
**Manual cancel event or event last triggered:** The alarm/action will continue until being cancel from the Main Console (Start>Open Event Report>Cancel All). Therefore, when the user is currently not at seat watching the screen he or she will be notified by the alarm.

**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 at page 62 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 at page 57 for detail.

**PTZ Preset Go:** The PTZ (pan/tilt/zoom) camera will go to a preset spot when an unusual event is detected. Select the PTZ camera on the pop-up panel, and then, at Alarm On section, select the Preset number with which you want the PTZ camera to go when an event is detected; and assign a Preset configuration for Alarm Off.

Note: You need to configure your PTZ camera before using this function. See Config at page 61 for PTZ camera configuration.



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

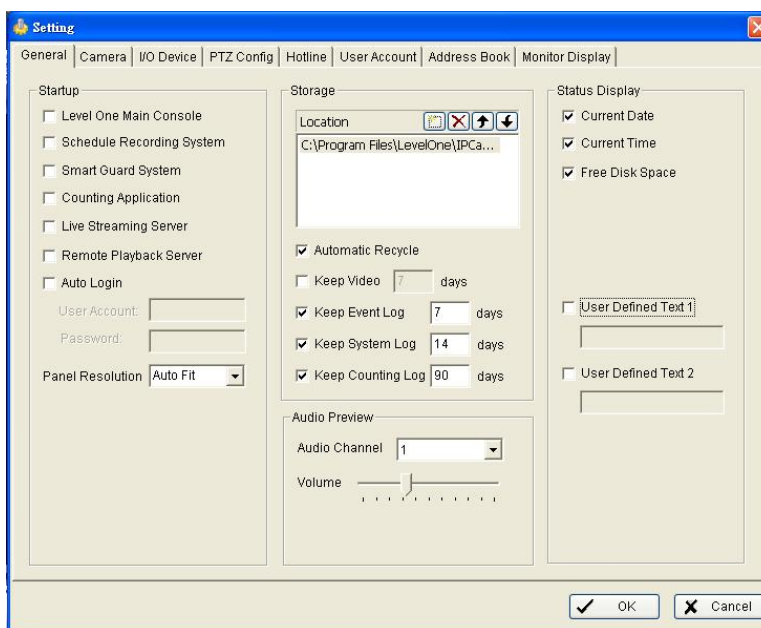
# Configuration



Click the Config icon, selection from the pull-down menu and open the Configuration panel.

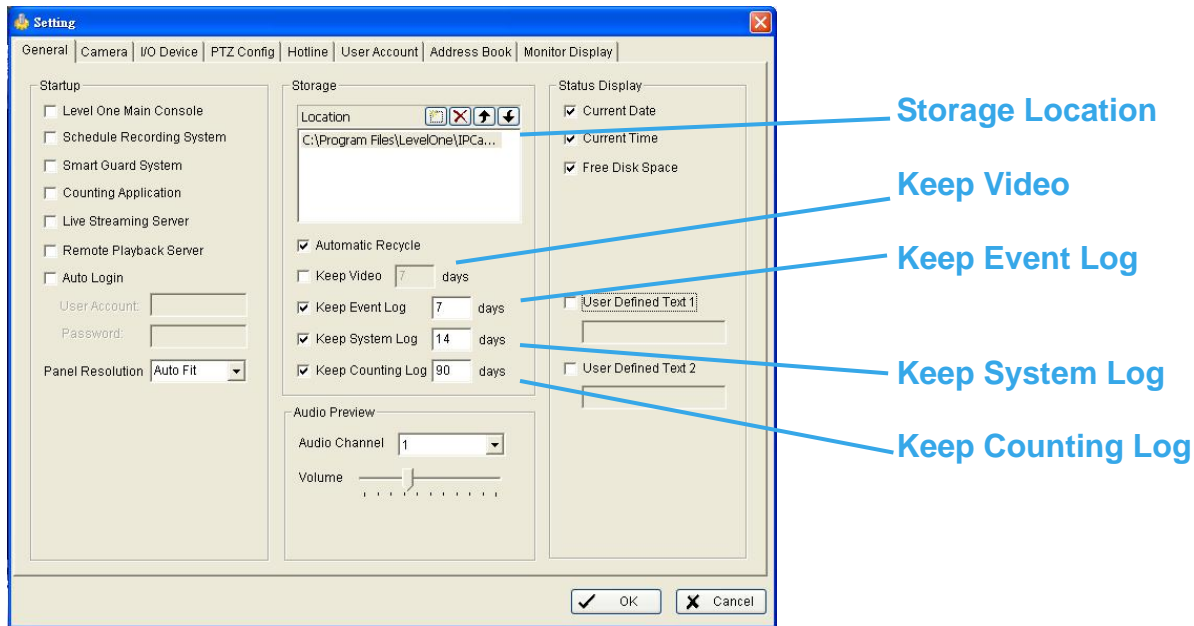
## Config Setting – General

### Startup



**Startup:** Check the box and make the functions activated as the system starts. You may start/stop the function in Start panel on the Main Console.

## 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 you set.

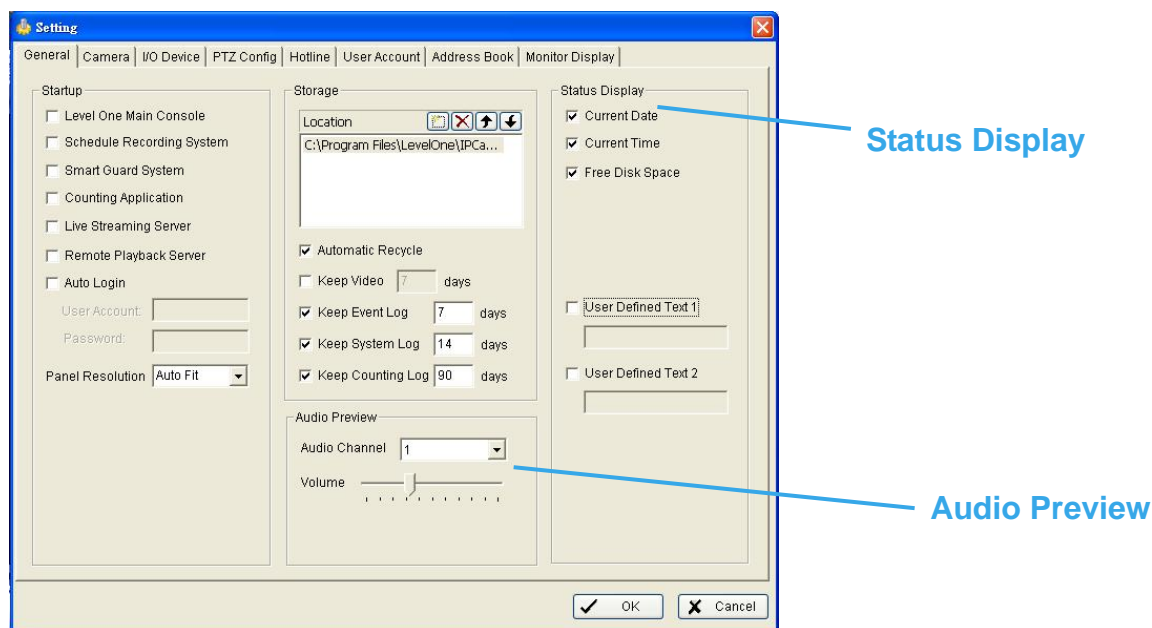
**Keep Event Log:** Deletes the event log data older than the number of days you set.

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

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



## Config Setting – General

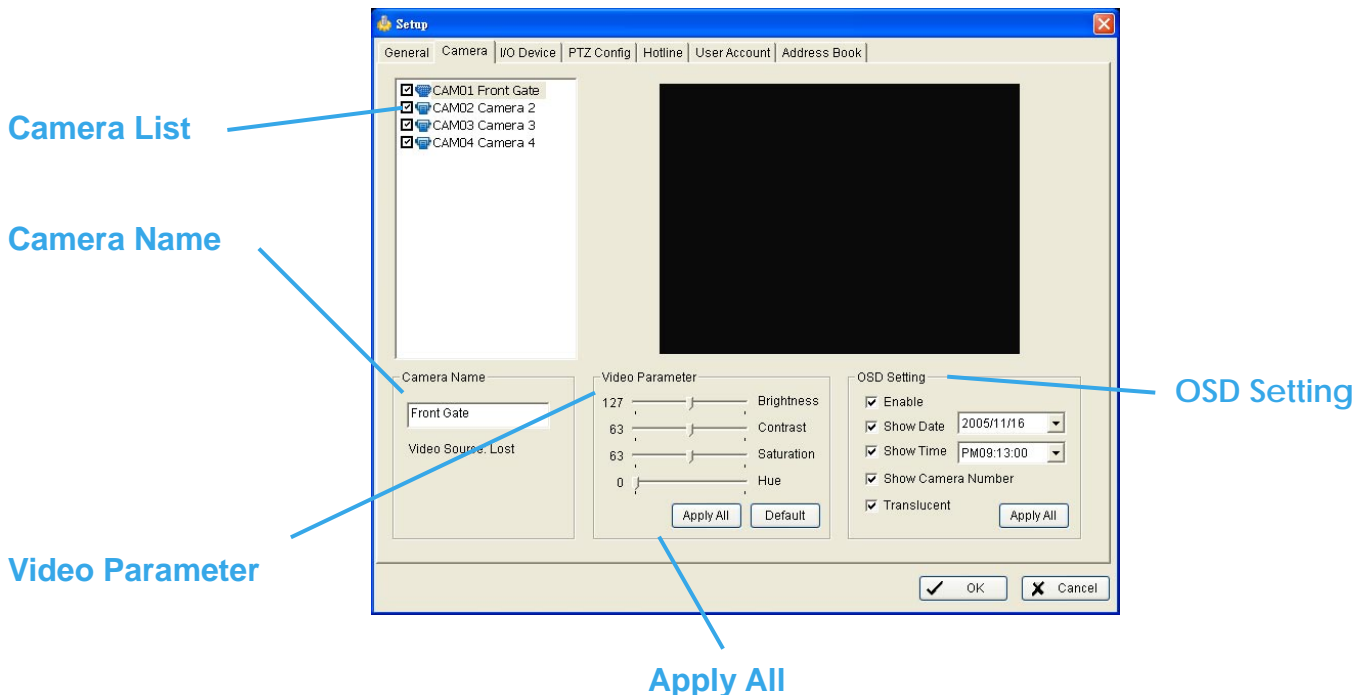


**Audio Preview:** Assign the audio channel to preview and the sound volume.

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



## Config Setting - Camera



**Camera List:** The camera(s) connected to the system will show on the panel, click the name of the camera and then you may adjust the setting of it.

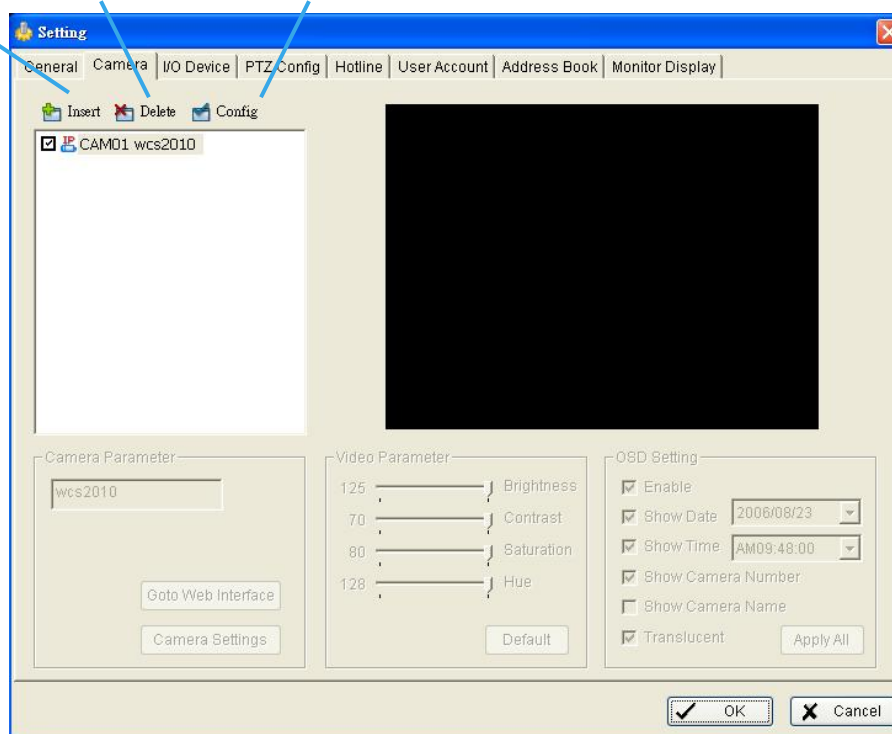
**Camera Name:** Name the camera for your convenience.

**Video Parameter:** Adjusts brightness, contrast, saturation and color hue.

**Apply All:** Click to apply the setting to all the cameras.

**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

**Insert****Delete****Config**

**Insert:** Click and the IP Camera/Video Server Setting panel will pop up. You can add an IP camera in the system with the Setting panel. See next page for detail.

**Delete:** Click and delete the selected IP camera(s), click OK and then the IP camera(s) will be removed from the system.

**Config:** Click and the IP Camera/Video Server Setting panel will pop up. You can modify the IP camera settings with the Setting panel. See next page for detail.

## Config Setting - IP Camera

### IP/Video Server Setting panel

The image shows a screenshot of the 'IP Camera / Video Server Setting' dialog box. Three blue arrows point to specific sections of the dialog, each with a label: 'Network' points to the top section, 'Device' points to the middle section, and 'Description' points to the bottom section. The 'Network' section contains fields for Name, IP Address, Http Port (set to 80), User Name, Password, and Protocol (with radio buttons for TCP, UDP, and HTTP). The 'Device' section contains a Vendor dropdown (set to LevelOne), an Auto Detect button, a Camera Model dropdown (set to WCS-2040), and a Camera selection area with checkboxes for 1, 2, 3, and 4. The 'Description' section contains text for Video Codec (MJPEG MPEG4), Audio Codec (G.722.1 G.729A AAC), and Camera:1, DI:1, DO:1. At the bottom are OK and Cancel buttons.

**Network**

Name:

IP Address:  ☐ Use DNS

Http Port:

User Name:

Password:

Protocol: ☐ TCP ☒ UDP ☐ HTTP

**Device**

Vendor:

Camera Model:

Camera: ☒ 1 ☐ 2 ☐ 3 ☐ 4

**Description**

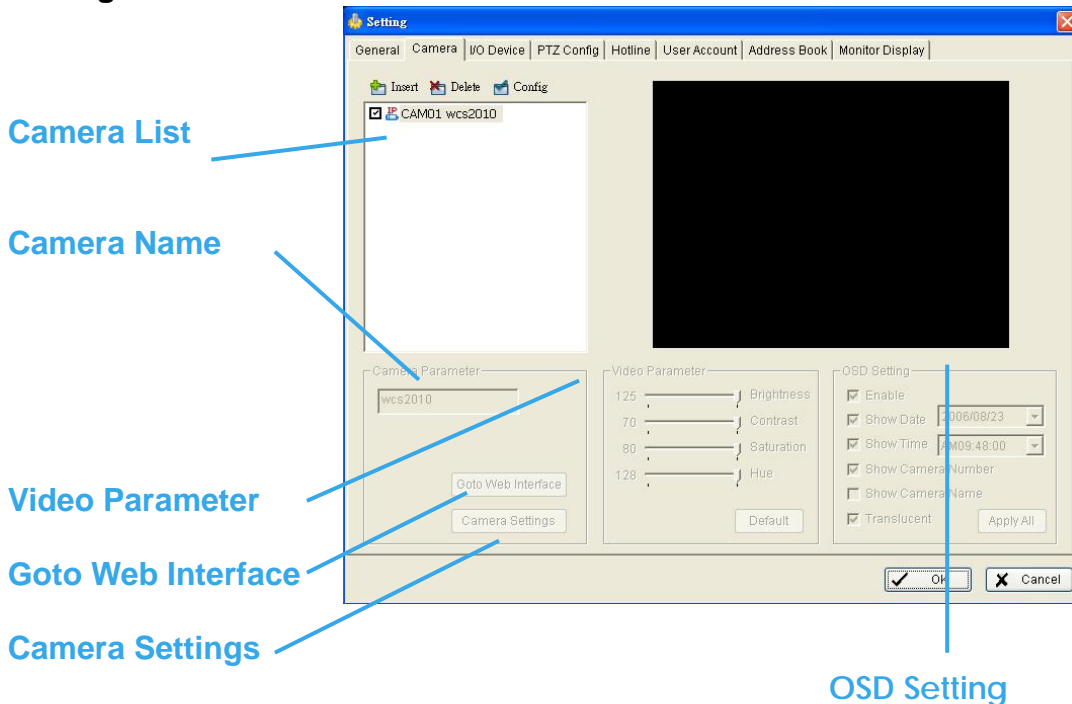
Video Codec: MJPEG MPEG4  
Audio Codec: G.722.1 G.729A AAC  
Camera:1, DI:1, DO:1

**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:** The camera connected to the system will show on the panel, click the name of the camera and then you may adjust the setting of it.

**Camera Name:** Name the camera for your convenience.

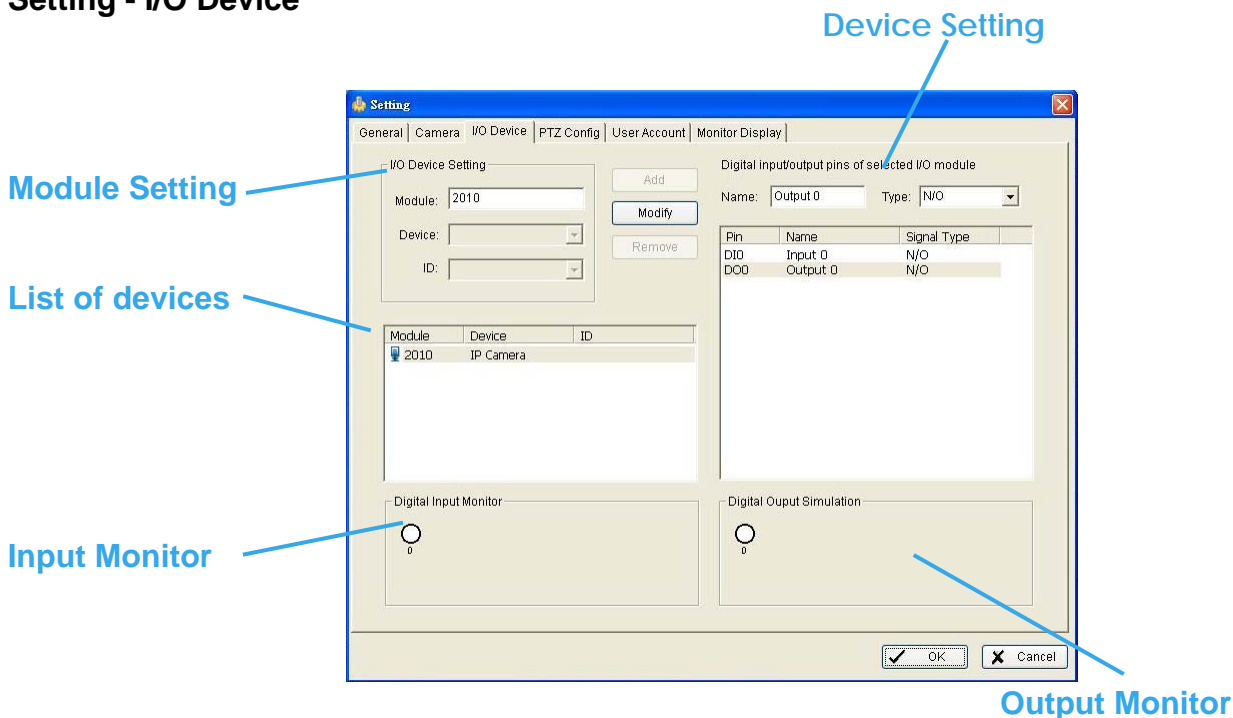
**Goto Web Interface:** Go to website interface to configure the camera setting.

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

**Video Parameter:** Adjusts brightness, contrast, saturation and color hue.

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

## Config Setting - I/O Device



**Module Setting:** To name the module device and ID connecting the digital input/output device(s) to your system.

**I/O Devices:** Shows the device(s) installed to the system.

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

**Input Monitor:** Trigger the digital input device and the related icon will light-up. To check if the device is correctly connected or not.

**Output Monitor:** Click on the icon and trigger the digital device connecting to your system to test if it is correctly connected.

### Device Setting

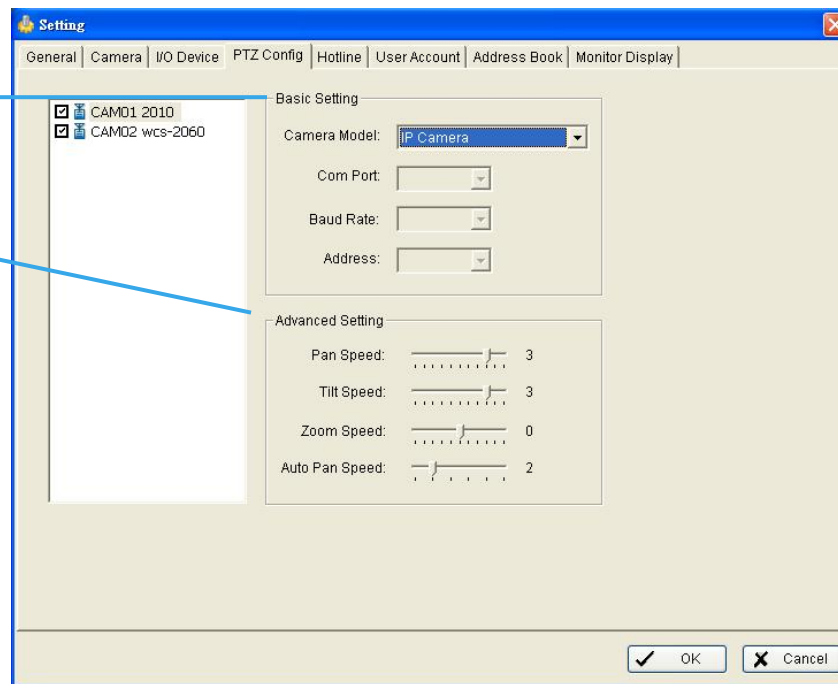
**Name:** To name the device (input and output).

**Type:** To select from the pull-down menu. N/O means that the digital signal is Open in normal condition; N/C mean that the signal is Close 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.

## Config Setting – Hotline

**Setting**

General | Camera | I/O Device | PTZ Config | **Hotline** | User Account | Address Book | Monitor Display

**E-Mail**

\*SMTP Server: mail.LEVELONE.com

\*E-Mail Sender: david@levelone.com

E-Mail Subject:

Body Content:

☐ SMTP server needs authentication

User Account:

Password:

Send Test Mail

**Telephone**

Modem: SoftV90 Data Fax Modem with SmartC

Wave File:

Automatic hangup after 30 sec

Make Test Phone Call

Phone Number:

Dial Hang Up

OK Cancel

**\*Hotline is only in IP CamSecure Pro32.**

**Hotline:** To configure the hotlines including E-mail and telephone calls once an unusual event is detected.

**E-mail:** Fill up the information in the blocks.

**Telephone:** Select the modem with which the system is going to dial the info call and give the phone number to the system in Phone Number block.

Note: You may choose a Wave format file to play on the phone call.

\*Mandatory



## 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 functions with checkboxes: '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'. Below these are 'Add', 'Delete', and 'Update' buttons. On the right, a table lists existing users. At the bottom right are 'OK' and 'Cancel' buttons.

Name	Group	Description
admin	Admin	Administrator

**User Account:** Manage user accounts here. Highlight the account on the list at the right and then you can change the Privilege setting by check and un-check the box of each function.

## Config

### Setting - Address Book

Setting

General | Camera | I/O Device | PTZ Config | Hotline | User Account | Address Book

Please input the name and contact information

Name:  Phone:  E-Mail:

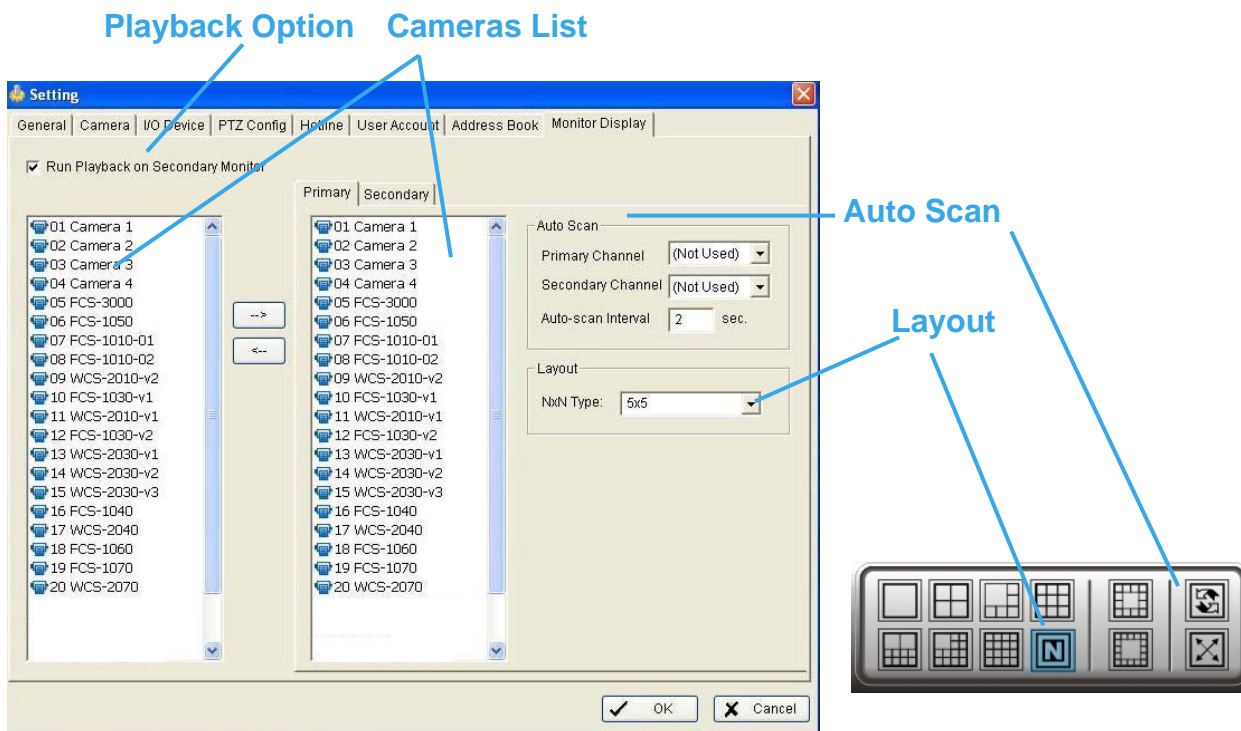
Description:

Contact persons

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

**\*Address Book is only in IP CamSecure Pro32.**

**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.

**Cameras List:** Show all cameras on the left list. To choose the cameras showed on Primary / Secondary monitor on the right list.

**\*The dual monitor is only in IP CamSecure Pro32.**

**Auto Scan:** Choose Auto Scan to rotate the channels / cameras on the screen.

For instance, you select the Screen Division mode to show only 4 sub- screens on the Main Console while having 16 channels connecting to the system. Use the Auto Scan function and then you are able to see all the 16 channels showing by turns. You can also setup a Primary Channel to keep it always on the screen; and a Secondary Channel that has the secondary priority.

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

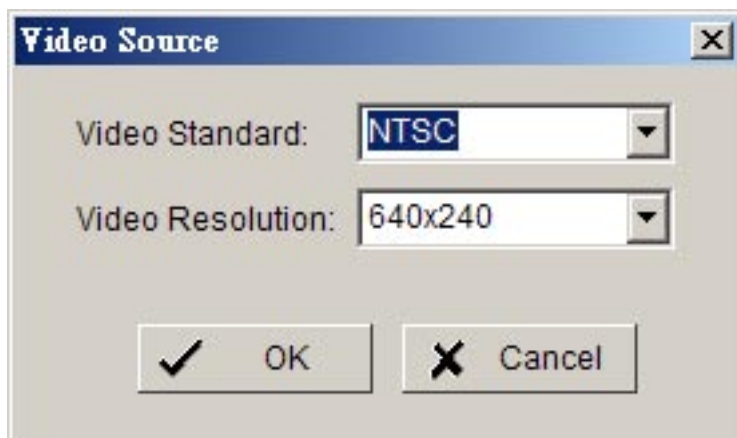
### Save/Load Configuration

You can save the current configuration setting of IP CamSecure as a config file except schedule setting. Also, you can load the saved config file into the IP CamSecure.



### Video Source

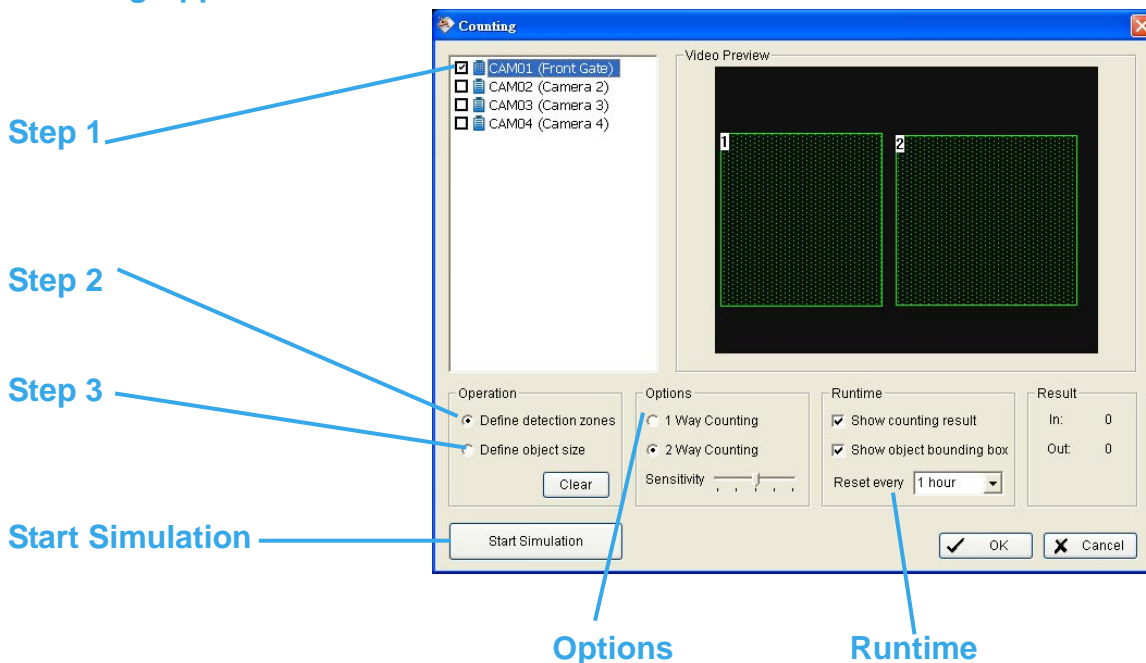
When you use LevelOne CamCom Capture Card series , like FCS-8004, you need to set up your video source before you start to activate schedule recording .



**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 Pro32.**

**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

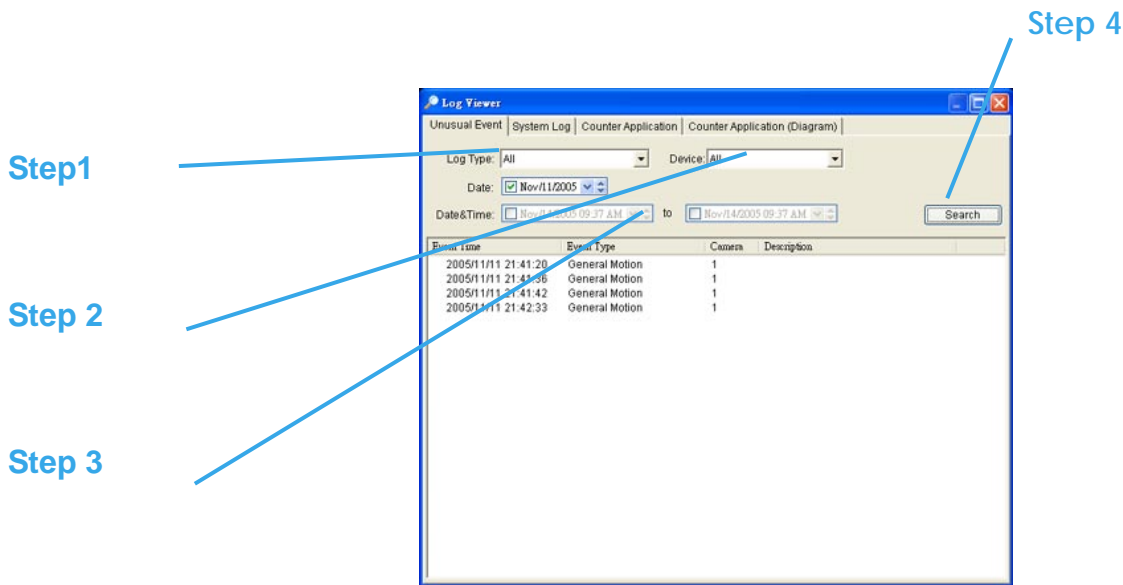
**Step 3:** Define the object size on the screen. Objects in the size going across these two Regions will be counted.

**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.

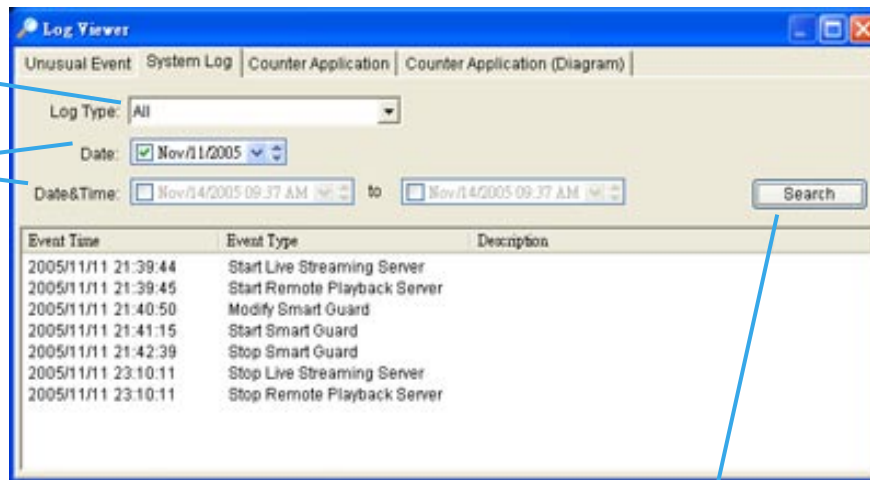
You may also point out two different time points and search for Unusual Event between them. Mark the box in the Date & Time column and then enter the date and time.

**Step 4:** Click Search

## Config Log Viewer

Step 1

Step 2



Step 3

**System Log:** You can choose the Log Type from the pull-down menu, including: Console Startup, Console Shutdown, User Login, User Logout, Start Schedule, Stop Schedule, Execute Recycle, Execute Backup, Enable Channel, Disable Channel, Start Smart Guard.

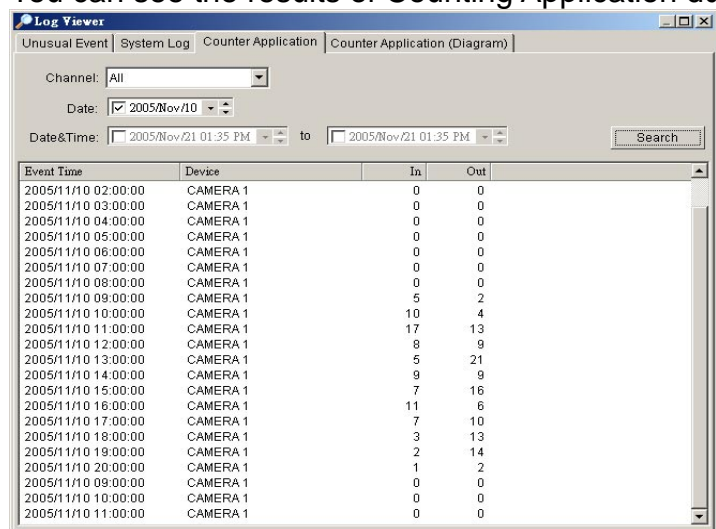
**Step1:** Choose the type of event you want to check or select "All" on the pull-down menu for all types of events.

**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.

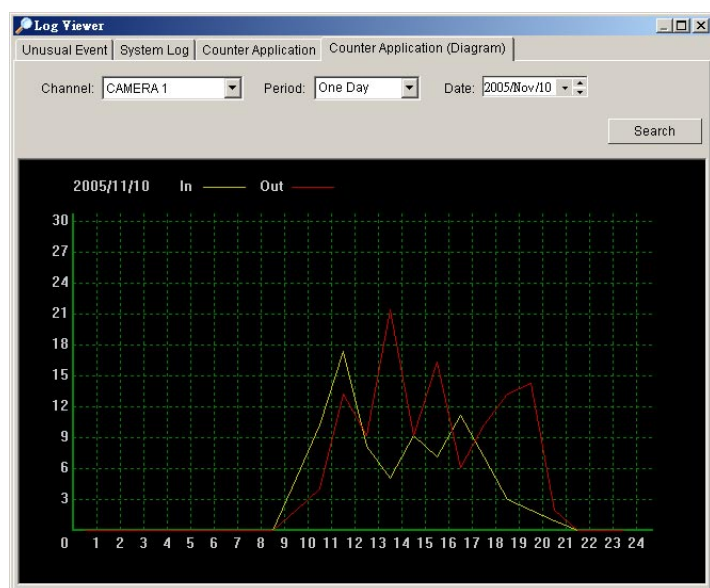


The screenshot shows the 'Log Viewer' application with the 'Counter Application' tab selected. The 'Counter Application (Diagram)' sub-tab is also active. The 'Channel' is set to 'All', the 'Date' is '2005/Nov/10', and the 'Date&Time' range is from '2005/Nov/21 01:35 PM' to '2005/Nov/21 01:35 PM'. The '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	9	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.

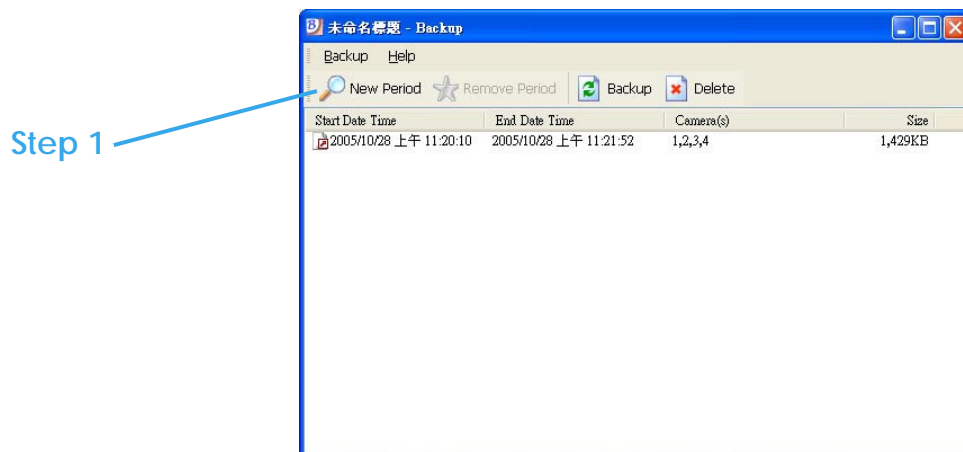




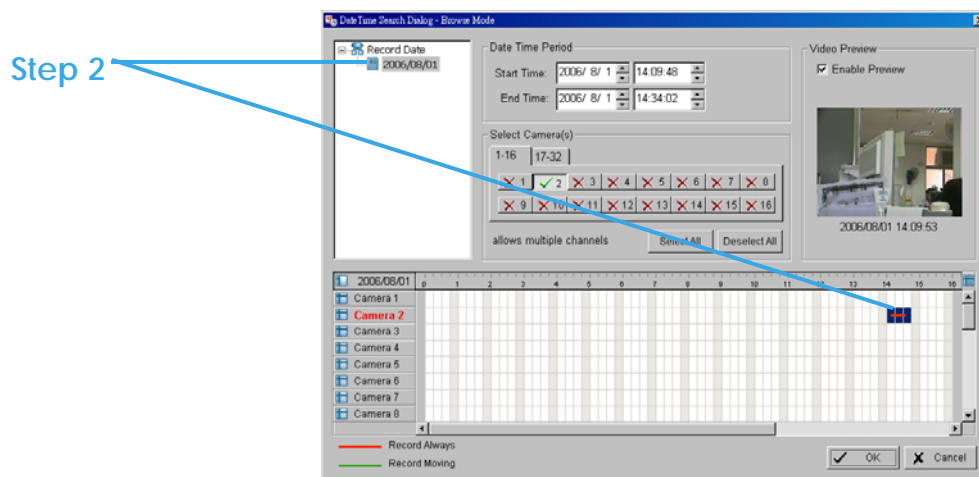
## Config

### Backup

The Backup Till function saves video record and the other log information. You can open the Backup file on any PC with Windows OS and have the full function Playback panel on it.

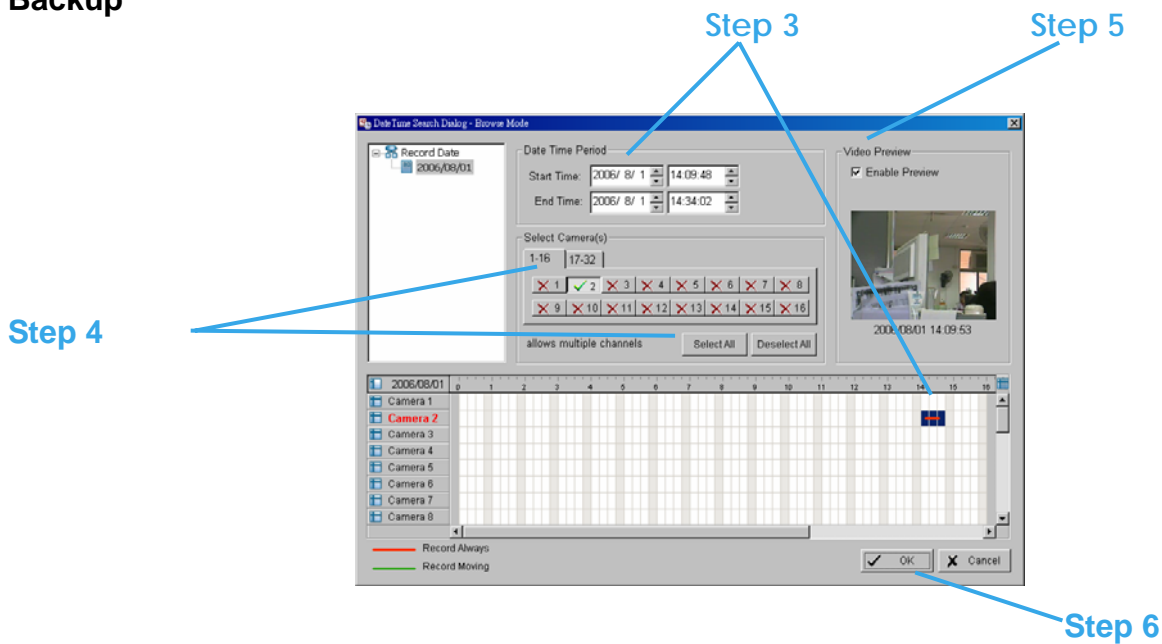


**Step 1:** Click New Period to get the Backup panel to add a new time period you want to backup.



**Step 2:** From the window at the top left, select the date you want to backup from, and you will see red/green lines show on the time table implying available data recorded.

## Config Backup



**Step 3:** You can select the data you want to backup by left-clicking and dragging to highlight the time period. Besides using the time-table, you may indicate the time period of the data you want backup by using Start Time and End Time in Date Time Period section.

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

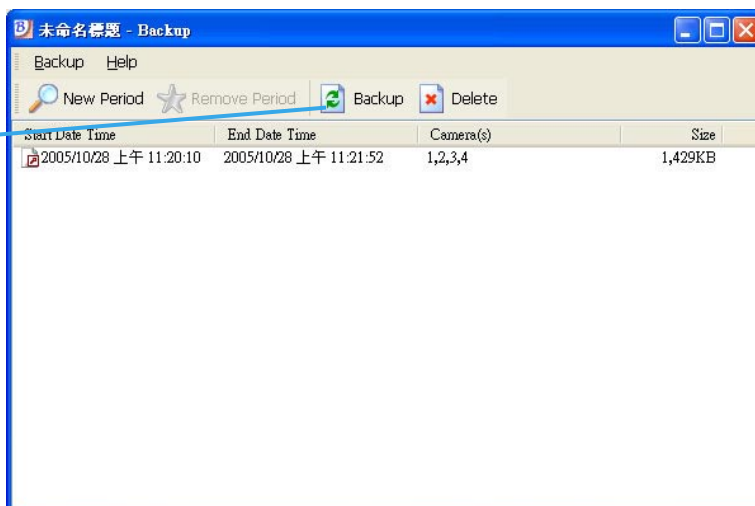
**Step 5:** Check the box of Enable Preview to get the preview of the video you select.

**Step 6:** Click OK when it is done and get back to the Backup panel.

## Config

## Backup

## Step 7



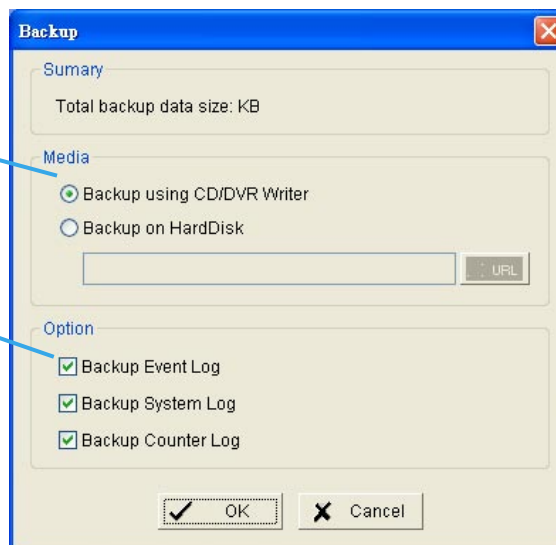
**Step 7:** Click the Backup icon and you can see the size of the file.

**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



## Config

### Erase recorded information from the system

**Step 1:** Click New Period to get the Backup panel to add a new time period you want to erase all the data recorded.

**Step 2:** From the window at the top left, select the date you want to remove from, and you will see red/green lines show on the time table implying available data recorded.

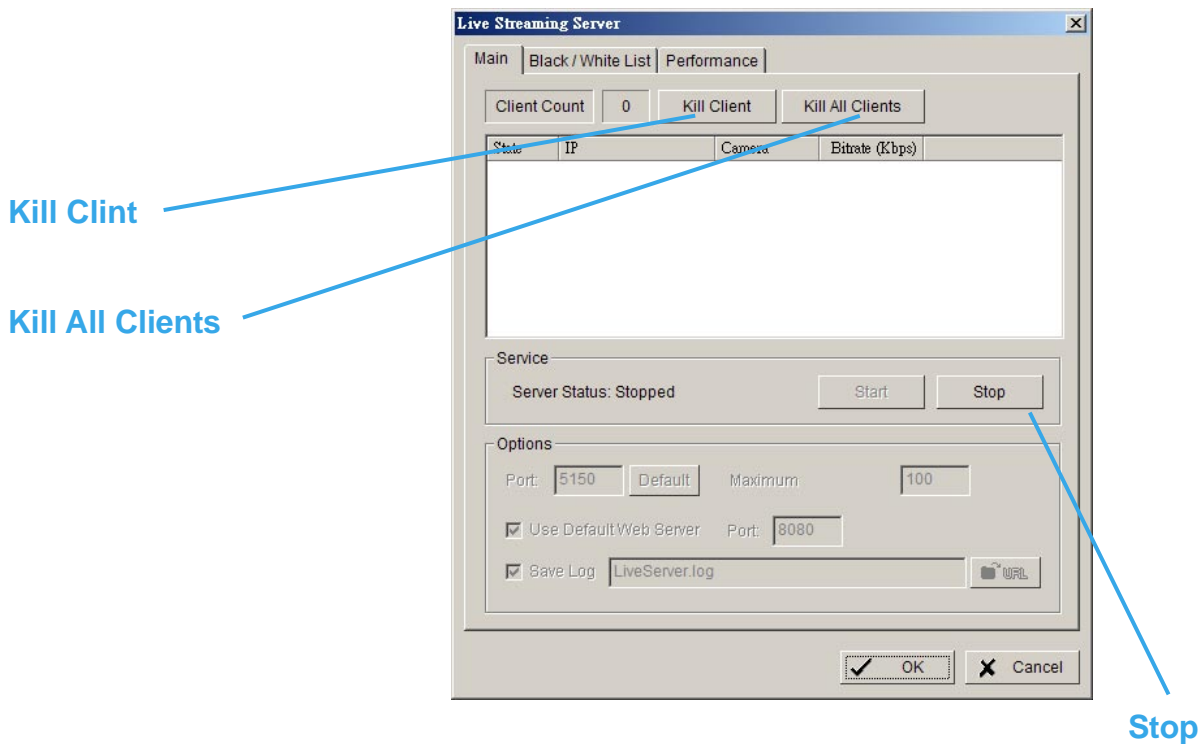
**Step 3:** You can select the data you want to erase by left-clicking and dragging to highlight the time period. Besides using the time-table, you may indicate the time period of the data you want to erase by using Start Time and End Time in Date Time Period section.

**Step 4:** In Select Camera(s) section, select the camera(s) from which you want to erase or select all the cameras by clicking Select All bottom.

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

**Step 6:** Click OK when it is done and get back to the Backup panel.

**Step 7:** Click on the Delete icon and erase the data.

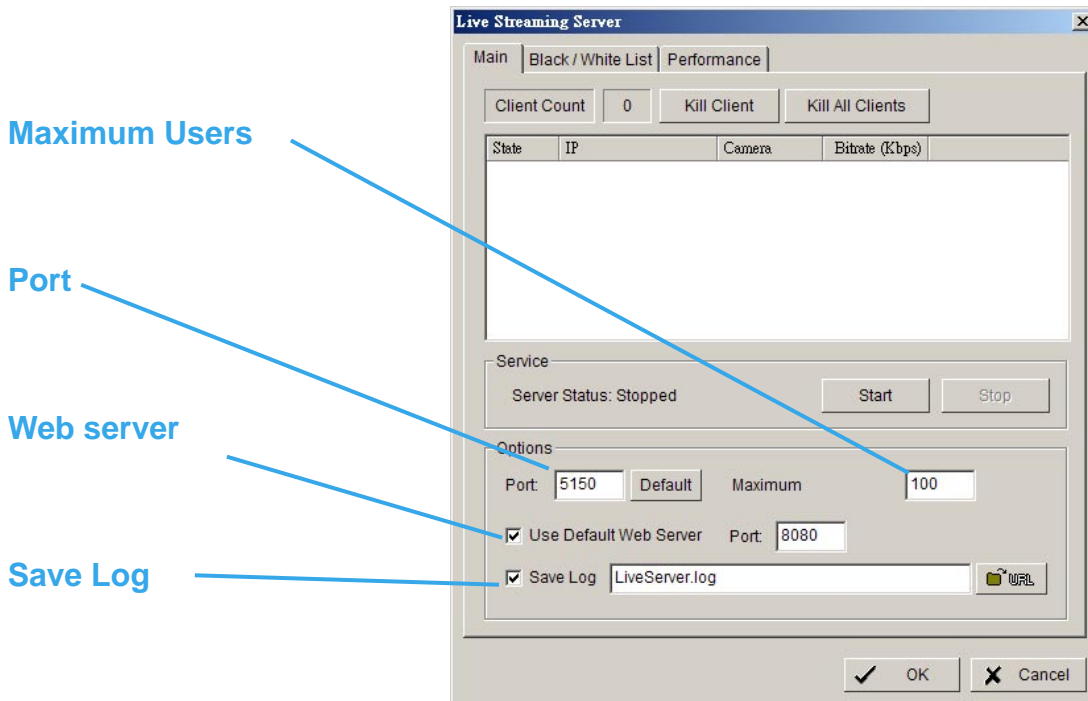


On Live Streaming Server panel, you can see the clients who are logging on your computer and watching the live video from the remote side.

**Kill Clint:** Highlight the IP and click Kill Client to block the client from your system.

**Kill All Clients:** Block all the clients logging to your system.

**Stop:** To stop broadcasting live stream video.



**Options:** You can adjust the configuration when the Server is stopped.

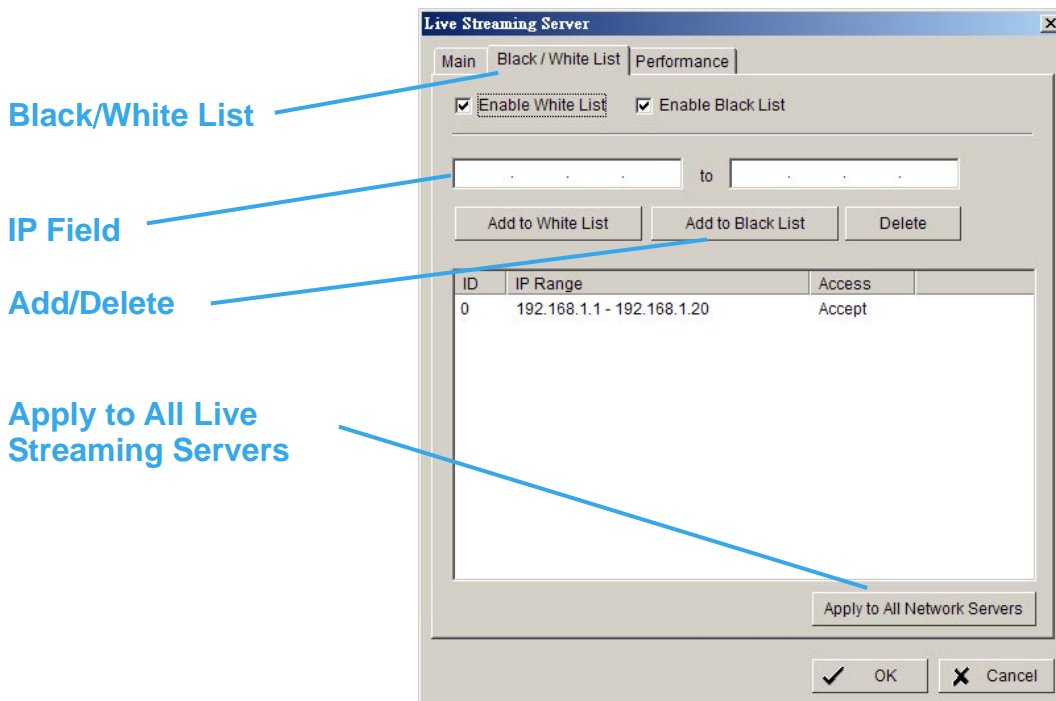
**Port:** Assign the network port you want the clients to connect to your system.

**Use Default Web Server:** Check the box and activate Web Server, so that the clients will be able to watch live video on 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:** Appoint the folder and save the log information there.

## 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.

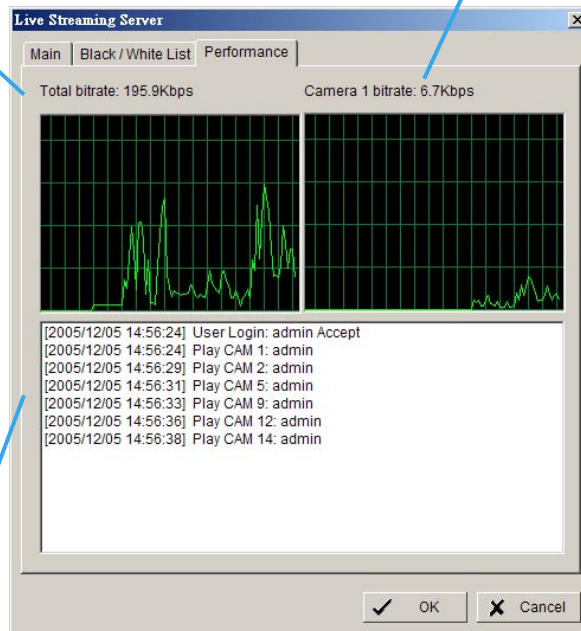
**IP Field:** Enter the IP in the field at the left or, 2 sets of IP to indicate a series of IPs.

**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.

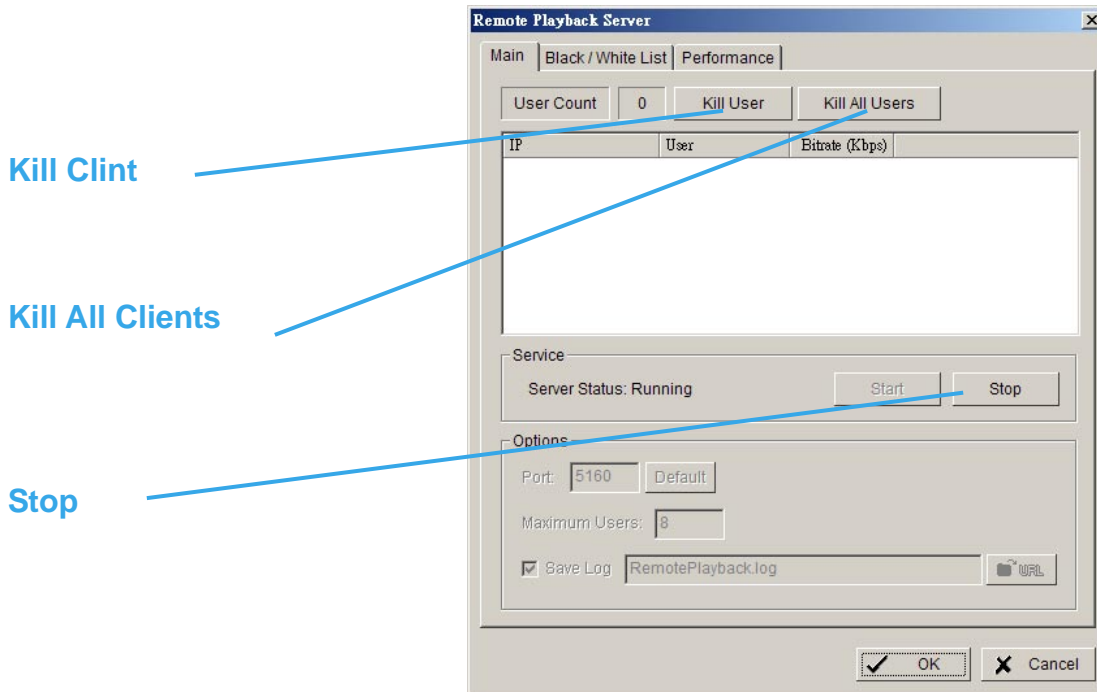
Total bitrate

Individual Camera bitrate



Live Streaming Server log information





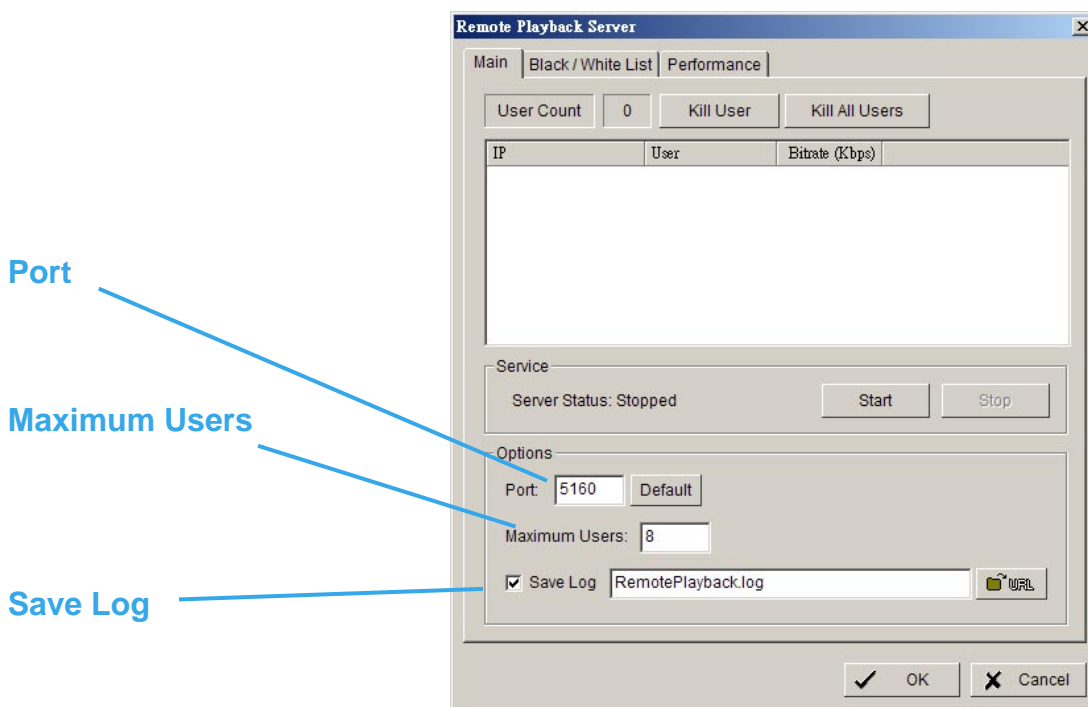
**\*Remote Playback is only in IP CamSecure Pro32 and there are up to 16 channels displayed simultaneously.**

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

**Kill Clint:** Highlight the IP and click Kill Client to block the client from your system.

**Kill All Clients:** Block all the clients logging to your system.

**Stop:** To stop broadcasting live stream video.



**Options:** You can adjust the configuration when the Server is stopped.

**Port:** Assign the network port you want the clients to connect to your system.

**Maximum Users:** Number of users who are allowed to connect to the Remote Playback Server.

**Save Log:** Appoint the folder and save the log information there.

## Config

## Remote Playback Server - Black/White List

Black/White List

IP Field

Add/Delete

Apply to All Remote  
Playback Servers

The screenshot shows the 'Remote Playback Server' configuration window with the 'Black / White List' tab selected. The window has three tabs: 'Main', 'Black / White List', and 'Performance'. Under the 'Black / White List' tab, there are two checkboxes: 'Enable White List' and 'Enable Black List'. Below these are two input fields for IP ranges, separated by a 'to' label. There are three buttons: 'Add to White List', 'Add to Black List', and 'Delete'. A table lists the current list entries with columns for ID, IP Range, and Access. At the bottom right, there is an 'Apply to All Network Servers' button. The bottom of the window has 'OK' and 'Cancel' buttons.

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

**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.

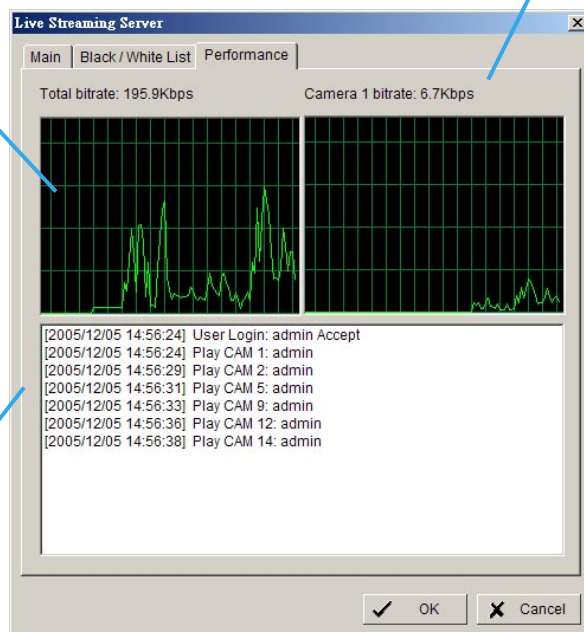
**Apply to All Network Servers:** To apply the setting to all the servers.

## 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.

# Live Viewer



On Live Viewer console, you can watch the video from remote live streaming server.

**\*There is only 1 channel displayed in Live Viewer in IP CamSecure Lite32 while there are up to 16 channels displayed in IP CamSecure Pro32 simultaneously.**



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

Enter the name of the Server

Enter the IP of the Server

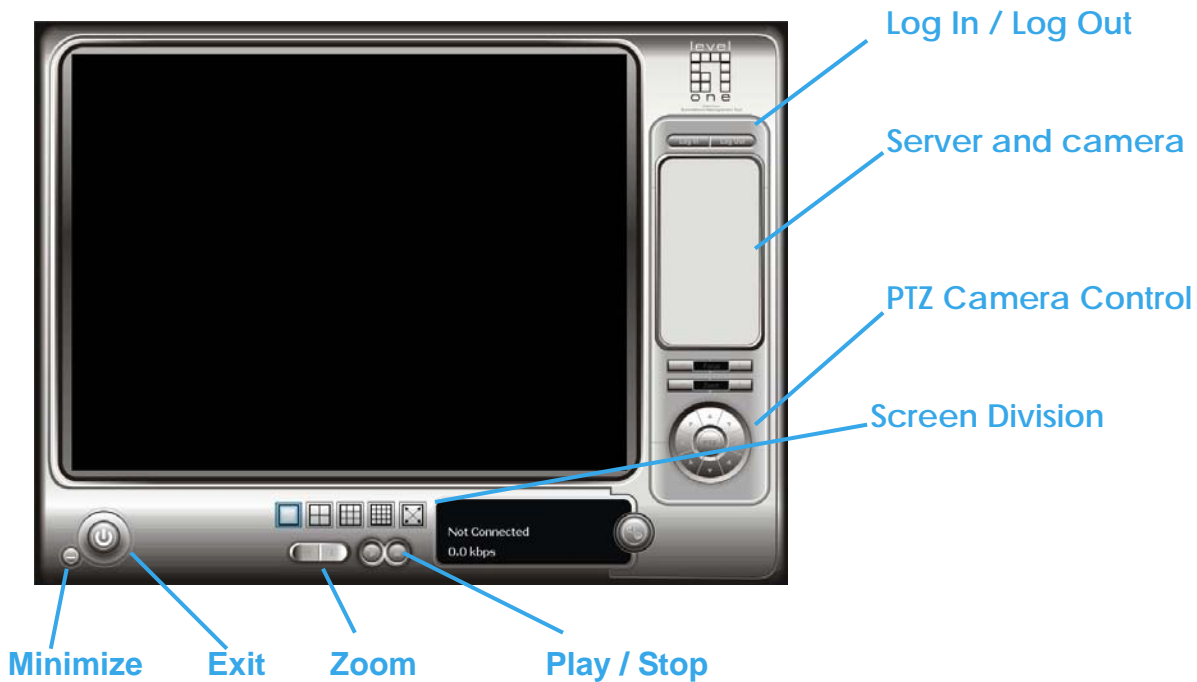
Connecting port of the Server

Enter your user name and password

Check the box and automatically log-in the server when starting Live Viewer

The 'Setup' dialog box is titled 'Setup' and contains a 'Server Setting' section. It has several input fields: 'Server Name' (containing 'My Office'), 'Address' (containing '142.xxx.xxx.xxx'), 'Port' (containing '5150'), 'User Name' (empty), and 'Password' (empty). There are checkboxes for 'Save Password' and 'Auto Login'. A 'Test Server' button is located below the password field. At the bottom of the dialog, there are 'Add', 'Delete', and 'Update' buttons. On the right side of the dialog, there is a list box containing the entry 'my company (192.168.1.16)'. At the bottom right, there are 'OK' and 'Cancel' buttons.

Click **Add** and the sever will show up on the list



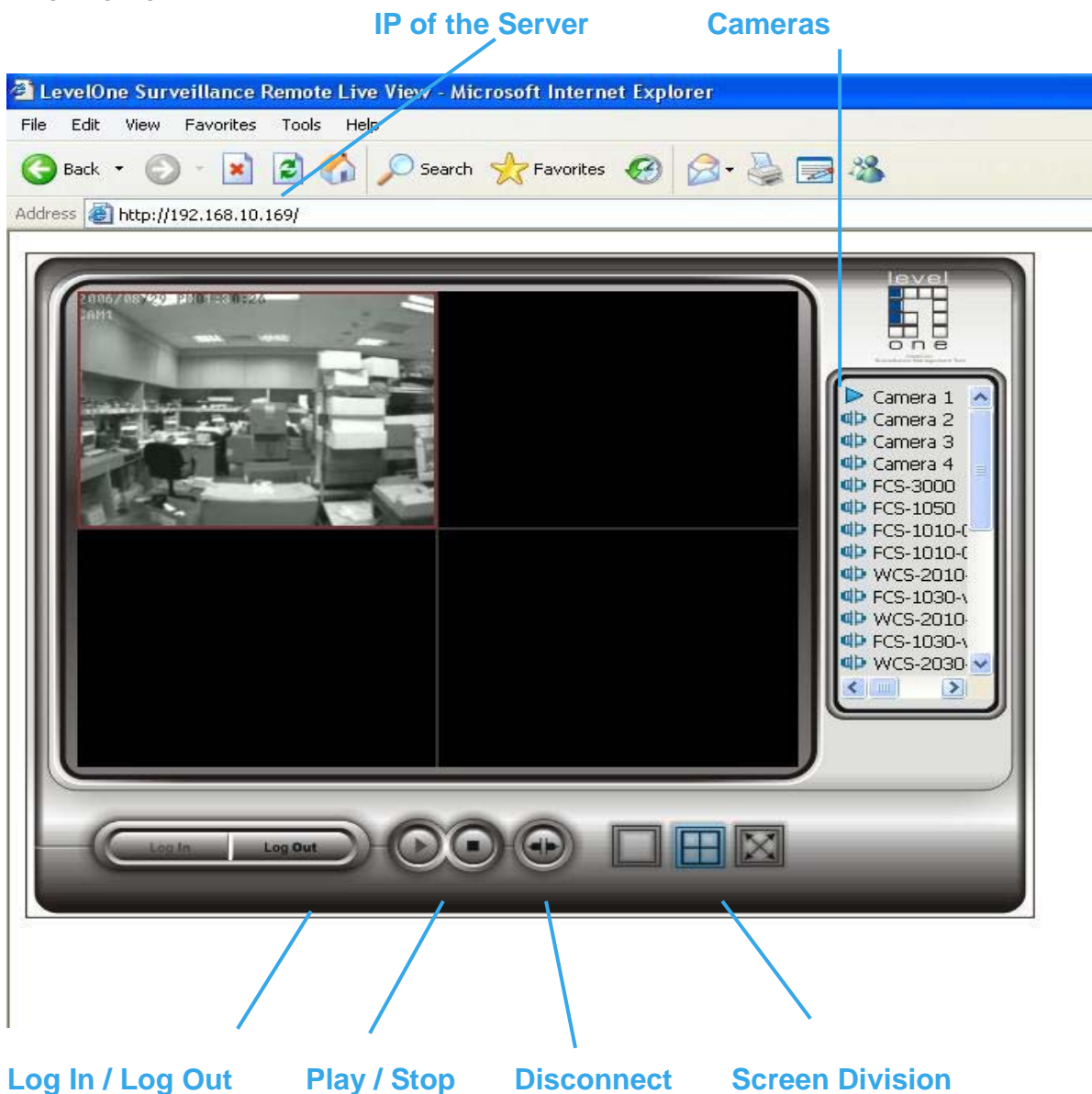
Select the camera from the server, hold the left click and drag the camera to where you want to put the image.

You can right click the camera on the list to connect/disconnect it.

**Log In / Log Out:** Select the server and click Log In / Log Out icon to log-in / log-out the server or you can right click the sever on the list to log-in and log-out.

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





**\*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 Pro32 simultaneously.**

**IP of the server:** Open an Internet Explorer and enter the IP number of the server followed by the connecting port.

**Example:** <http://192.168.10.169/>

**Connect / Disconnect:** Select the camera from the server, hold the left click and drag the camera to where you want to put the image, or double click the camera on the list to connect it.

Select the camera on screen view or on the list and click the Disconnect icon to disconnect the camera.

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