

**Application**  
**MEGAsys Streaming Activator**  
**v2.0**

**User's Manual**



## **MEGAys APP-1000**

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# 1. Overview

## Introduction

This material covers MEGAsys Streaming Activator overview on the overall framework, architecture, deployment and functions.

This section introduces MEGAsysStreaming Activator functionalities, architecture and the relationship between modules, so that user may have better understanding how to fully utilize its functions and deploy with right solution

## Architecture

## System Requirements

# Understanding User Interface

## User Interface

## Keyboard Shortcuts

Activator v2.0 supports keyboard shortcuts to increase security operator's productivity. These keyboard shortcuts apply to all applications, including Active Monitor, Active Player, Active Map and Active Setup.

Keyboard Shortcut	Description
F4	Hide / show left panel
F7	Create snapshot
F8	Toggle patrol
F11	Toggle stretch to video window function
F12	Toggle full-screen mode
ESC	Cancel full-screen mode; return to normal mode. This function key only valid under full-screen mode

# What's New in v2.0

## System Enhancements

Following features list the enhancements in current version

1. Supports 64-channel with D1@30 FPS with 3 Mbps
2. Tree directory
3. Client / Server architecture
4. Supports NVR, Activator Client and Web Client

## Active Monitor Enhancements

Following features list the enhancements in current version

1. Video layout mode supports 1, 4, 6, 8, 9, 10, 16 split window mode
2. Supports full screen mode; the video layout is displayed in full-screen mode
3. Tree Display Panel: User may use drag-n-drop to drag a video source to the layout manager for preview
4. Patrol mode: Switches and displays each preview window accordingly. Pre-defined layout can be set to patrol mode as well
5. 2-Way Audio: Supports 2-way audio. User may have 1-to-1 speak function or 1to many audio broadcast to multiple devices at the same time
6. Create Snapshots: Create snapshot on the fly and as an event index for search later on
7. Advanced Preview Mode: Maximum 36-channel preview at the same time with different frame rate adjusted automatically
8. Layout Manager: Setup pre-defined video layout to group certain cameras in the same layout. Layout manager can be displayed in full-screen mode.
9. Hot-spot Window: The channel with an event will be switched to the hot-spot window.

## PTZ Control Enhancements

Following features list the enhancements in current version

1. PTZ Control: Manages PAN, Tilt, Zoom operation with speed control
2. Protocol Supported: Pelco-P, Pelco-D, Dynacolor, Messoa, Lilin, Dynacolor, Samsung, Kampro, Sony Visca, Panasonic protocol supported
3. Preset Position: Goto, set, clear preset positions and patrol on preset positions. Maximum 32 preset positions supported
4. PTZ Patrol: Patrol preset positions with user-defined dwell time
5. Expandable PTZ Command: User-defined PTZ command to support additional PTZ protocols
6. Mouse PTZ: On-screen 8-direction PTZ with mouse operation. This can be run under full-screen mode as well
7. IP Joystick on PC: Connects joystick on the PC via USB port to control speed dome directly
8. Control Panel on PC: Connects control panel on the PC via COM port to control speed dome directly

## Event Manager Enhancements

Following features list the enhancements in current version

1. Event Types: Handles motion detection, alarm, video loss, network disconnect events
2. Trigger Digital Output: May trigger digital output when an event occurs
3. Hot-spot Window: Activate and switch the channel with event to the hot-spot window. The original video in the hot-spot window will then be switched over
4. Pop-up Window: Mini-preview window will be pop-up when event occurs. Pop-up window will be dismissed when user-defined dwell time elapsed
5. E-Mail Notification: E-Mail notification with snapshot image
6. FTP Notification: FTP captured snapshot to the FTP server
7. Play audio file: Play user-defined audio file or beep on the machine
8. Operate PTZ Control: A triggered event may request another channel to execute a PTZ Goto Preset position command
9. Execute Command: User-defined execution command will be executed



## Recording Enhancements

Following features list the enhancements in current version

1. Format: Supports standard 14496-2 MPEG-4 video+audio format. Compatible with FFMPEG, XviD, DivX
2. Recording Mode: Supports schedule recording, alarm recording and motion recording
3. Pre-event Recording: User-defined time period to record before a certain event occurs. Maximum 30 seconds.
4. Post-event Recording: User-defined time period to record after a certain event occurs. Maximum 2 hours.
5. Number of drives: Supports up to 23 drives in one single machine
6. House Keeping Methods: Supports Keep certain days, recycle recording and Keep Total Space methods.

## Active Player Enhancements

Following features list the enhancements in current version

1. Time-based Search: Search video clips with date, time, channel
2. Event Search: Search motion detection, digital input, snapshot event with specified date, time and channel
3. Snapshot Viewer: Preview on snapshot created and link to archive player
4. Status Event Search: Search events on video loss / recovery, network disconnect / reconnect, user login / logout, database log with specified date, time and channel
5. Archive Player: Stand-alone archive player
6. Player mode: Play, Pause, Stop, Fast Forward, Fast Rewind, Play Backward, Play frame-by-frame, 1 / 2 / 4 / 8 speed control
7. Create Snapshots: Create snapshot images on-the-fly and can be searched as an event
8. Export Video: Export a MPEG-4 raw data file into a AVI file
9. Record while Playback: Recording to MPEG-4 raw data file while playback a file. This function is useful to extract part of a video clip to another archive file.
10. Synchronous Playback: 4-channel synchronous playback at the same time

## Active Map Enhancements

Following features list the enhancements in current version

1. Map Manager: Map configuration and management
2. Map Monitor: Creates alarm when an event occurs on a certain camera in Map
3. Preview-all Mode: With this mode, all cameras in the associated map will be displayed with QCIF@1FPS preview. When double-click on the preview window, the original video window will be brought up with its original resolution and frame rate
4. Map Patrol: Maps can be patrolled and displayed one-by-one with user-defined dwell time.


## Web Client Enhancements

Following features list the enhancements in current version

1. Remote Preview: Supports 1, 4, 9-channel preview
2. Remote Playback: Supports 1, 4, 9-channel playback mode and playback operations.
3. Remote Setup: Functionalities are the same as ActiveSetup.

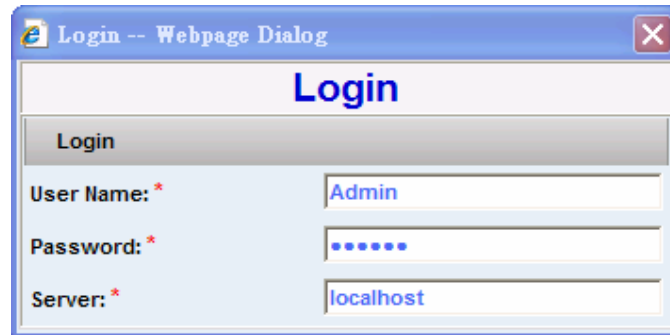
## 2. Getting Started

### Start Activator

To start Activator v2.0, simply click  Active Monitor.Ink on the desktop.

# Login Activator

When starting Activator, a login message box will prompt, as follow:



The screenshot shows a Windows-style dialog box titled "Login -- Webpage Dialog". Inside the dialog, the word "Login" is displayed in a large blue font. Below this, there is a button labeled "Login". Underneath the button, there are three input fields, each preceded by a label and an asterisk indicating a required field: "User Name: \*", "Password: \*", and "Server: \*". The "User Name" field contains the text "Admin", the "Password" field contains a series of blue dots, and the "Server" field contains the text "localhost".

## Default Administrator Account / Password

Default Administrator Account: **Admin**

Default Administrator Password: **123456**

Default Server: **localhost**



**NOTE:** In Server field, user may type in different IP address or host name; in this case, Activator client will connect to the IP address specified.

This is useful for the security officer to connect to another NVR and operate monitor, playback, search against that NVR.

## Change Password

Click on the profile section, the Personal Setting page will be brought up. User may easily change password and preferred Language, and click Apply to confirm the setting.

The screenshot displays a web application interface. At the top, there is a toolbar with various icons including a gear, a magnifying glass, and a printer. To the right of the toolbar, a status bar indicates 'Admin as Administrator' and '00:14:34 Jan 16, 2007'. Below the toolbar, there is a 'Refresh' button. The main content area shows a 'Personal Setting -- Webpage Dialog' window. This dialog has a 'Personal Profile' tab and an 'Apply' button. Under the 'Personal Setting' section, the following fields are visible:

Field	Value
User Name	Admin
User Group	Administrator
Language	English (United States)
Old Password	
New Password	
Re-Type Password	

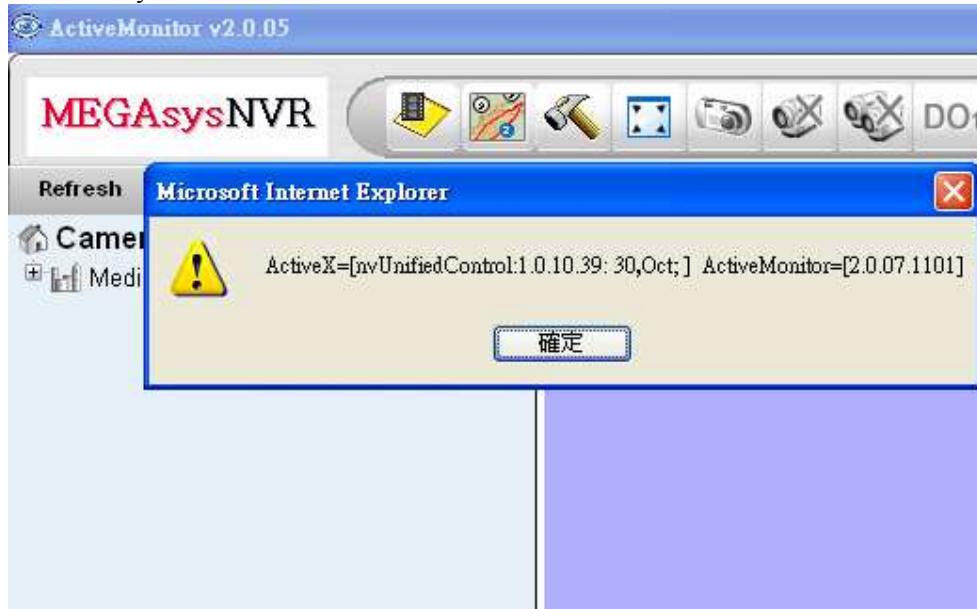
## Quit Activator

Simply click on  to quit Activator v2.0.



## Check Version

Click on the logo section will bring About Us dialog box, user may easily check out current software version and system information.



# Technical Support

Please refer to following mechanism to contact with ACTi:

E-Mail: [customer.service@acti.com](mailto:customer.service@acti.com)

MSN Messenger: [customer.service@acti.com](mailto:customer.service@acti.com)

# 3. Active Monitor

## Introduction

The section describes Activator Active Monitor functions, including camera preview

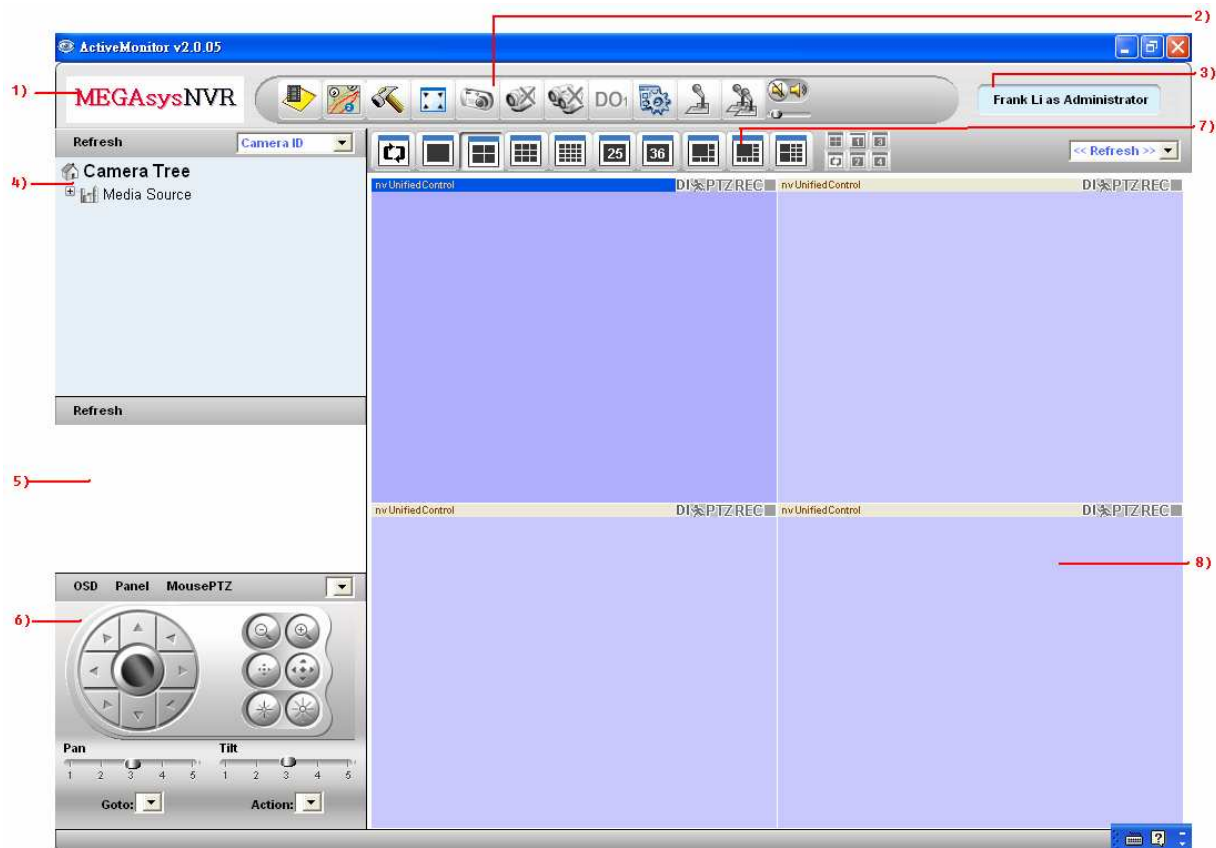


Figure 3-1 Active Window Screenshot

1. **Logo:** Click on the logo brings up About Us dialog box which contains software version, system version and company information.
2. **Active Monitor Toolbar:** Contains the buttons to operate in Active Monitor application
3. **Personal Profile:** Click on this section brings up Personal Profile setting; user may change password and select preferred Language.
4. **Camera Panel:** Displays camera tree
5. **Event Panel:** Displays event generated, including motion detection, alarm input and video loss events. User may click on each item to see further details.
6. **PTZ Panel:** PTZ operations
7. **Layout Manager:** Controls the various window layout

8. **Video Window:** Each video window displays live view from one video source from camera panel.

# Preview Operation

## Channel Preview

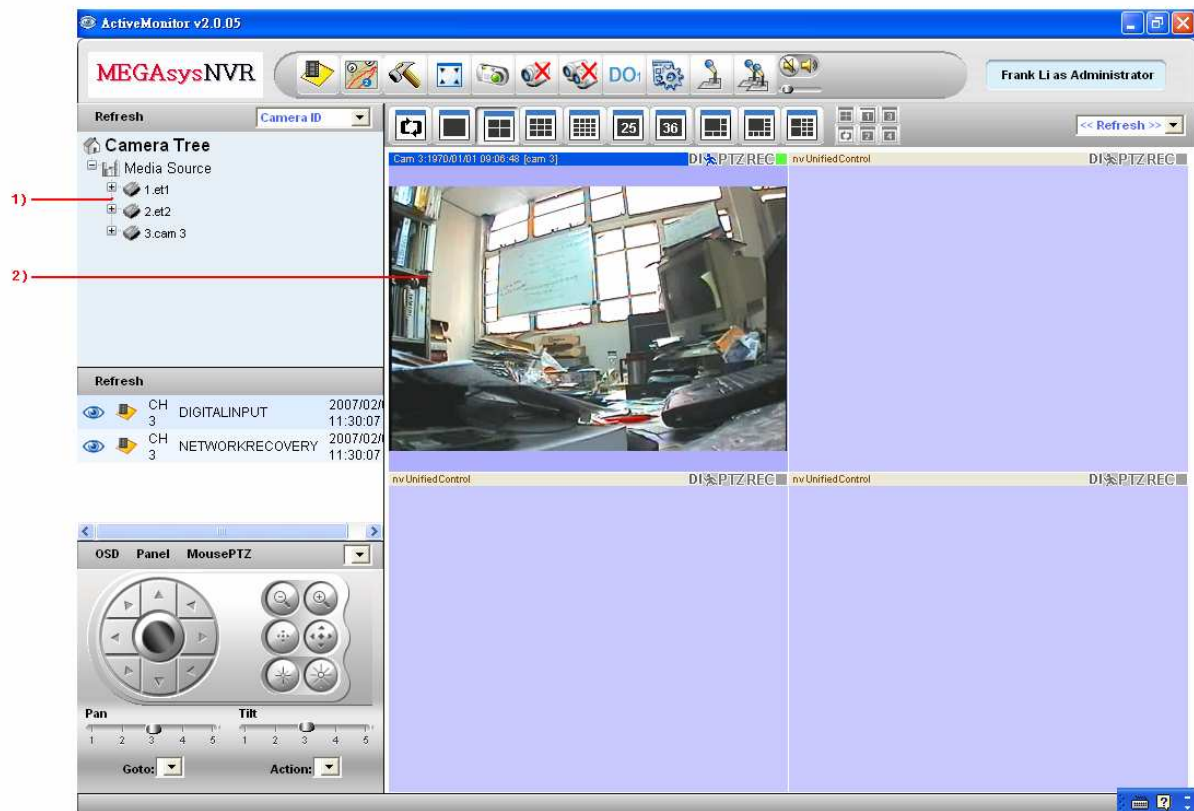


Figure 3-2 Preview Window

1. **Camera Panel:** Display camera information in tree directory.
2. **Preview Window:** Click on any window once to select it and enable functions for this specific camera (PTZ, snapshot, close camera, etc.)

To preview a channel, first click on a video window in layout manager, then double-click on the camera in the Camera panel, or drag the camera into the video window in the layout manager.

## Channel Disconnect

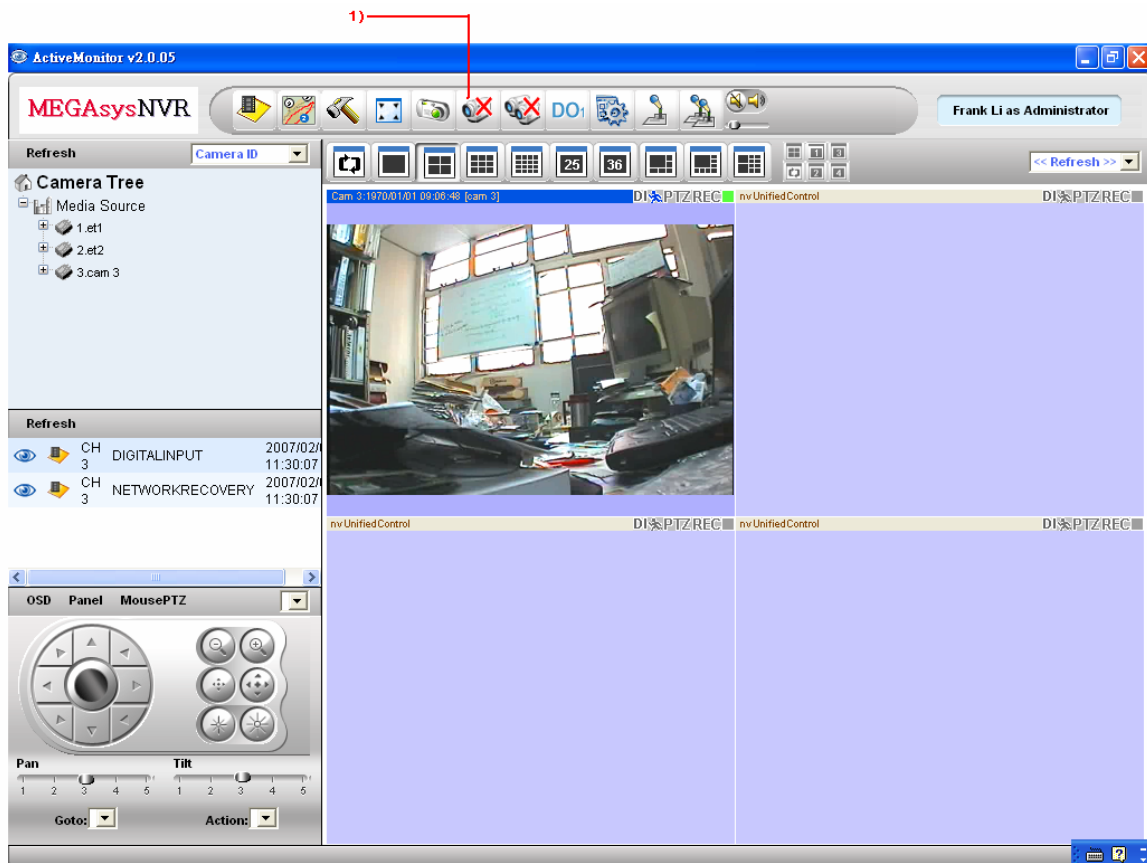


Figure 3-3 Disconnect Channel

1. **Disconnect Channel:** Click once to stop video streaming for the selected window.

## Full Screen Mode

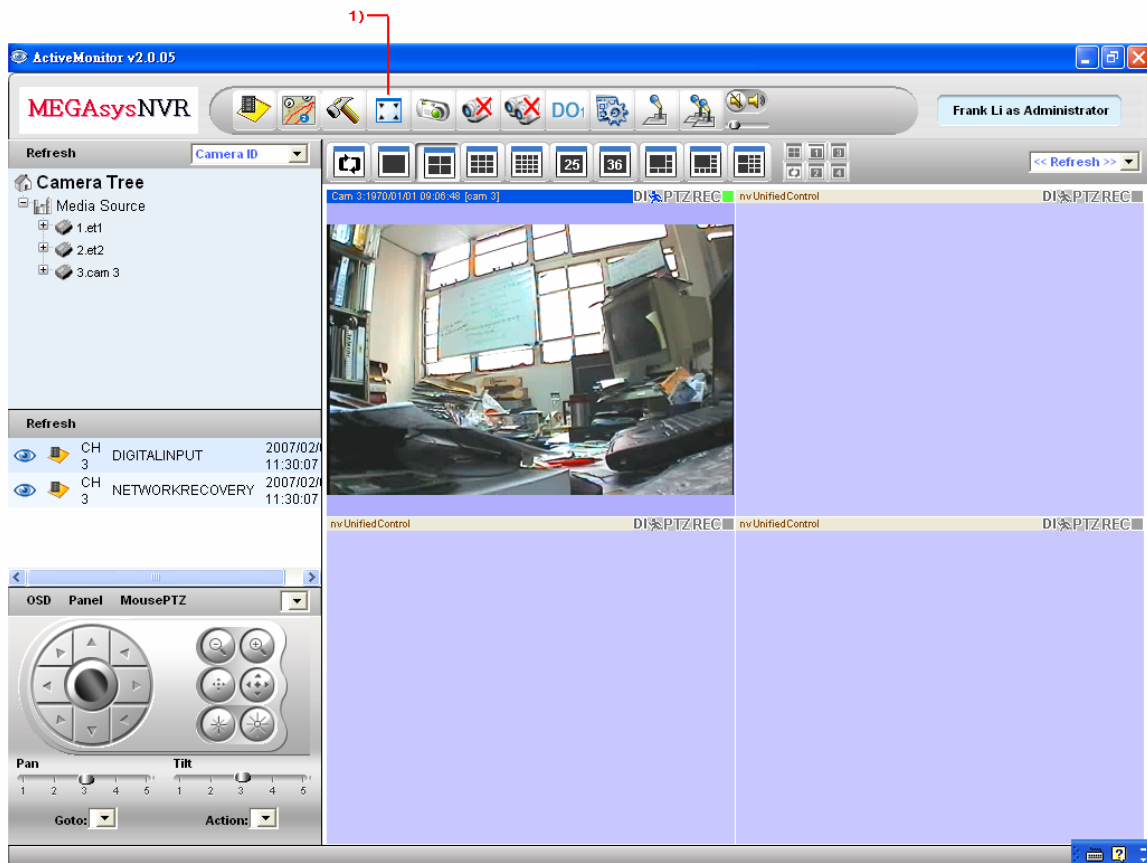


Figure 3-4 Fullscreen button

1. **Full-screen:** Click to bring the video into full-screen mode. To bring the controls back, press ESC.



**NOTE:** Full-screen maximizes the entire layout of videos instead of just the selected window. It will also not expand the video should the size of the window exceeds the maximum resolution of the video.



**NOTE:** You can also use **F12** to invoke this function. To stretch the video to fit the window, you can use **F11** function key to toggle this function.

## Volume Control

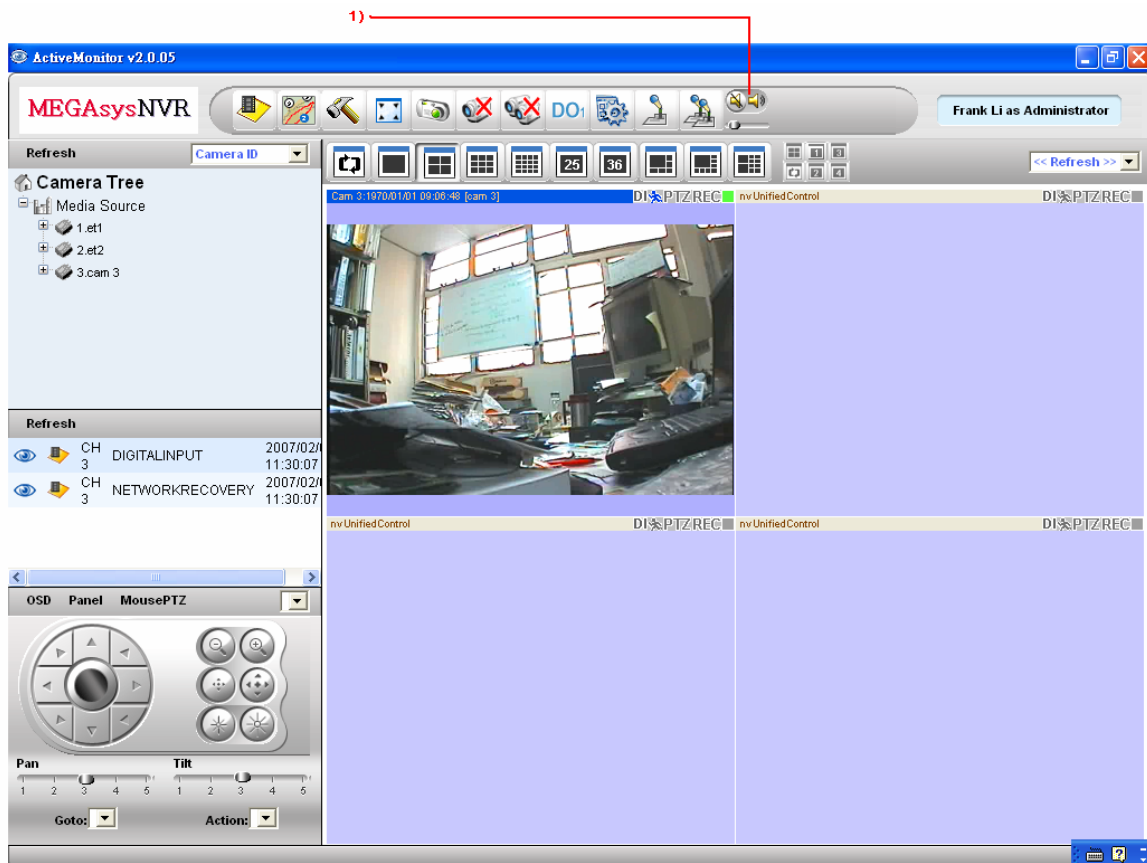


Figure 3-5 Volumn Control

1. **Volume Control:** turn on/off and adjust the volume.



## Speak and Broadcast

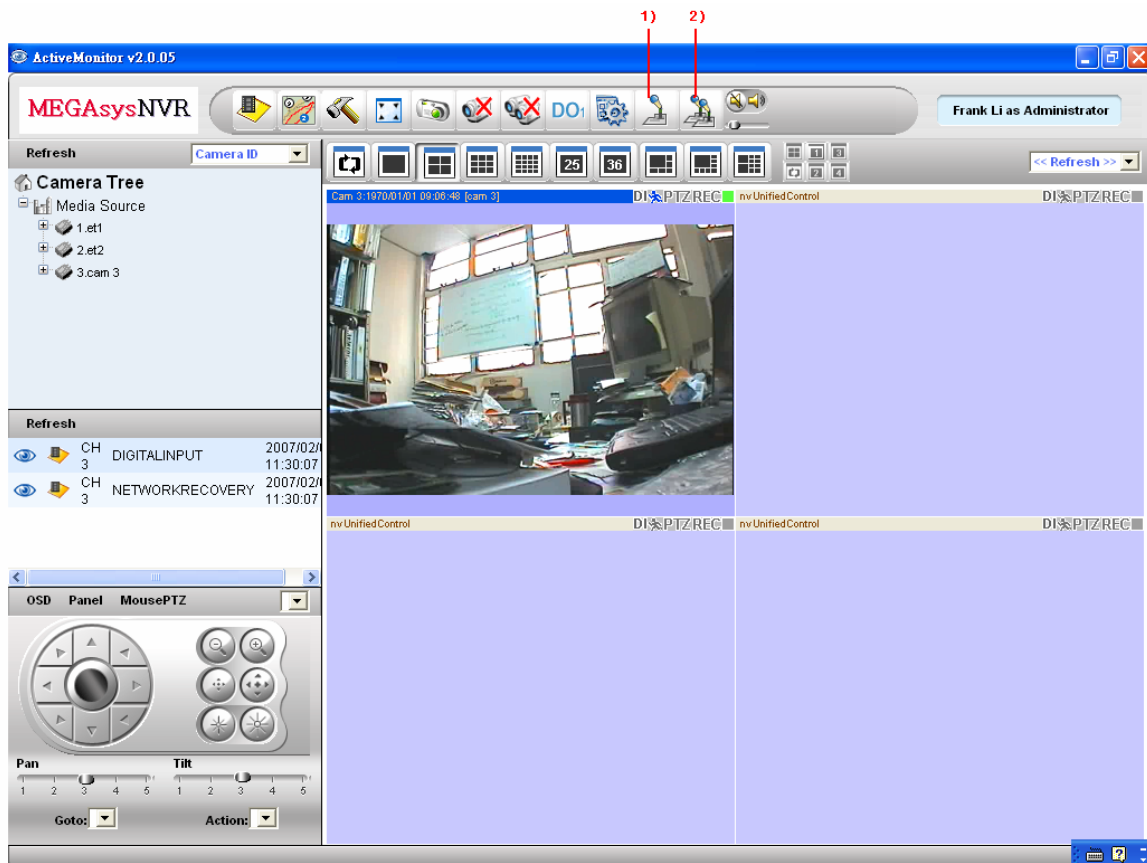


Figure 3-6 Talk and Broadcast button

1. **Speak:** Pressing this icon enables audio transmission to the selected video device; un-pressing it disables the transmission.
2. **Broadcast:** Pressing this icon enables audio transmission to all video devices that appear in this layout; un-pressing it disables the transmission.



**IMPORTANT:** Note that, in order to enable this function, make sure the device is equipped with 2-way audio function. **Speak** is a 1-to-1 communication while **Broadcast** will transmit the audio to all clients that are connected with live video feed.

## Create Snapshot

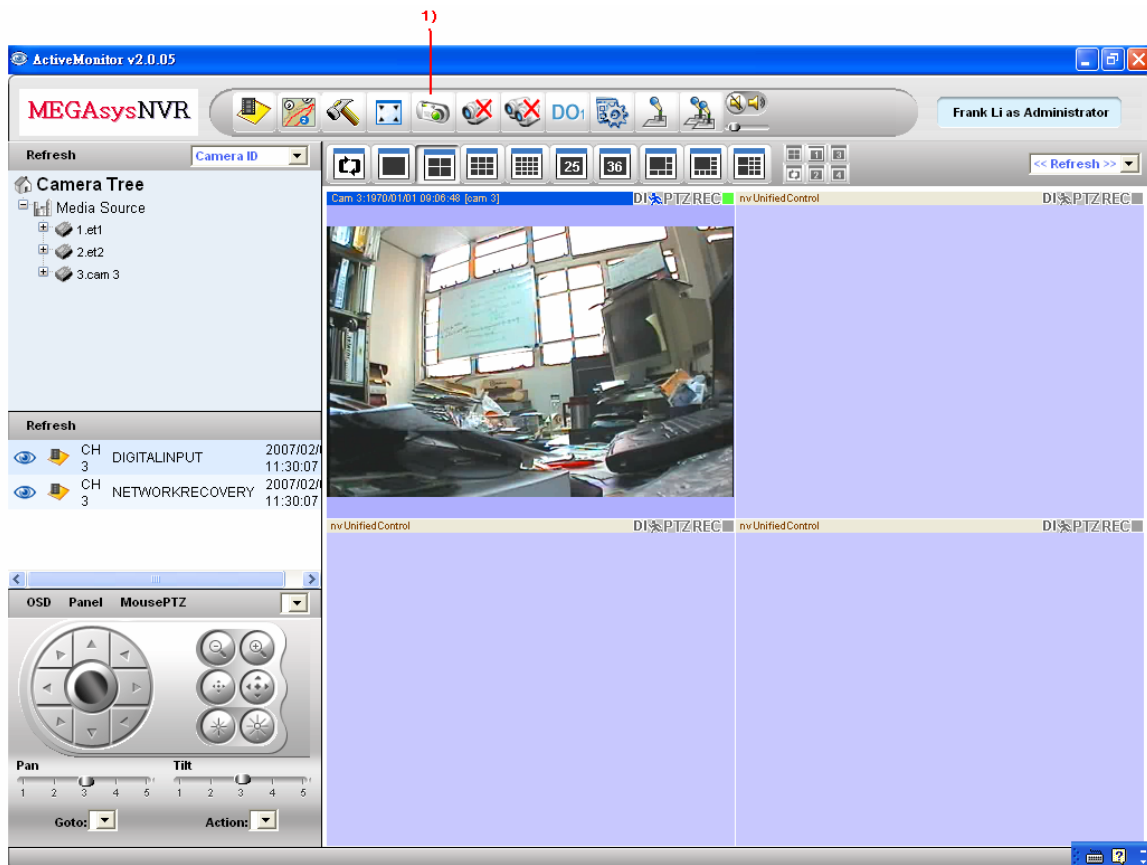


Figure 3-7 Create Snapshot

1. **Snapshot:** Takes a single screenshot at maximum resolution for the selected video only. The screenshot is saved as an JPG file in the Recording Path defined in the Recording of Camera Setup. Please refer to **Recording** section for details.

## Monitor System Events

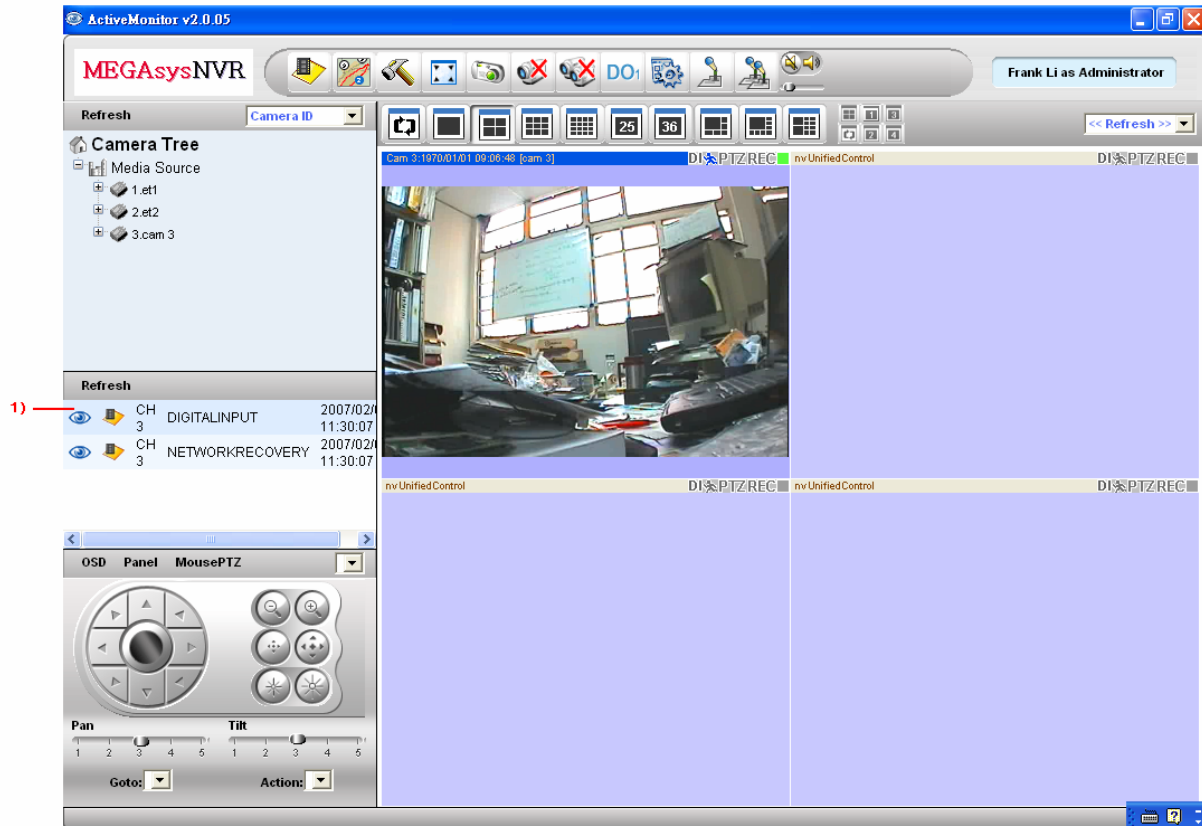


Figure 3-8 System Event List

1. **Event list:** This shows event log with the following information:
  - i. Channel number
  - ii. Event type
  - iii. Event time

# Camera Panel

## Camera List

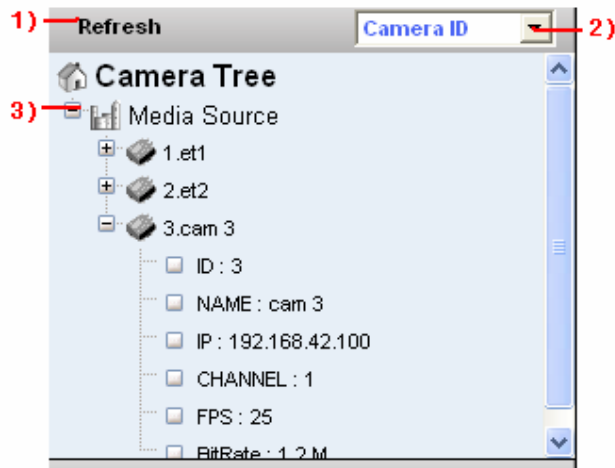


Figure 3-9 Camera List

1. **Refresh button:** Pressing this button brings reveals the newest changes made with Active Setup. Closing and re-opening the Active Monitor will have the same effect.
2. **Sort selection:** Sorts the tree in different categories and priorities. You have a choice of Camera ID, Model Name, Group, Resolution, and IP Address.
3. **Camera list:** The Camera List serves two functions:
  - i. Expanding each device shows Camera Information, including Camera ID, Name, Channel ID, FPS, Resolution and Bit-Rate.
  - ii. Clicking and dragging the device icon to a video window on the right shows video from that device.

# Channel Layout Manager

## Window Layout Selection

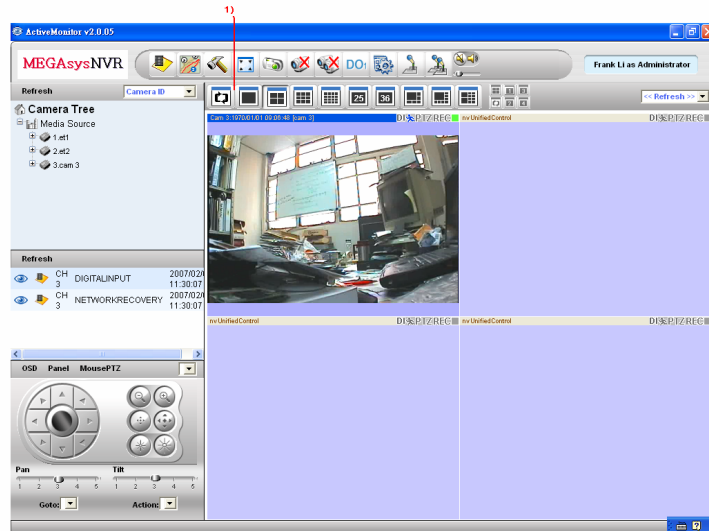


Figure 3-10 Layout bar

1. **Layout selection bar:** These icons manage how you should like the different video channels to be viewed. Their functions, from left to right, are:
  - i. Patrol: See Page X for details.
  - ii. 1-Window View: Shows a single channel; video is not expanded if maximum resolution of the source video is reached.
  - iii. 4-Window View: Shows a maximum of 2x2 video channels at once.
  - iv. 9-Window View: Shows a maximum of 3x3 video channels at once.
  - v. 16-Window View: Shows a maximum of 4x4 video channels at once.
  - vi. 25-Window View: Shows a maximum of 5x5 video channels at once.
  - vii. 36-Window View: Shows a maximum of 6x6 video channels at once.
  - viii. 6-Window View: Shows one video channel with a larger view, and 5 others at a lower resolution.
  - ix. 8-Window View: Shows one video channel with a larger view, and 7 others at a lower resolution.
  - x. 10-Window View: Shows two video channels with a larger view, and 8 others at a lower resolution.
  - xi. Quad setting: Controls layouts within the Quad Video Server if using one such as SED-2310 or SED-2320.



**NOTE:** The Quad setting buttons will only become active if the selected channel is defined as a quad in the camera settings.

## Pre-defined Layout

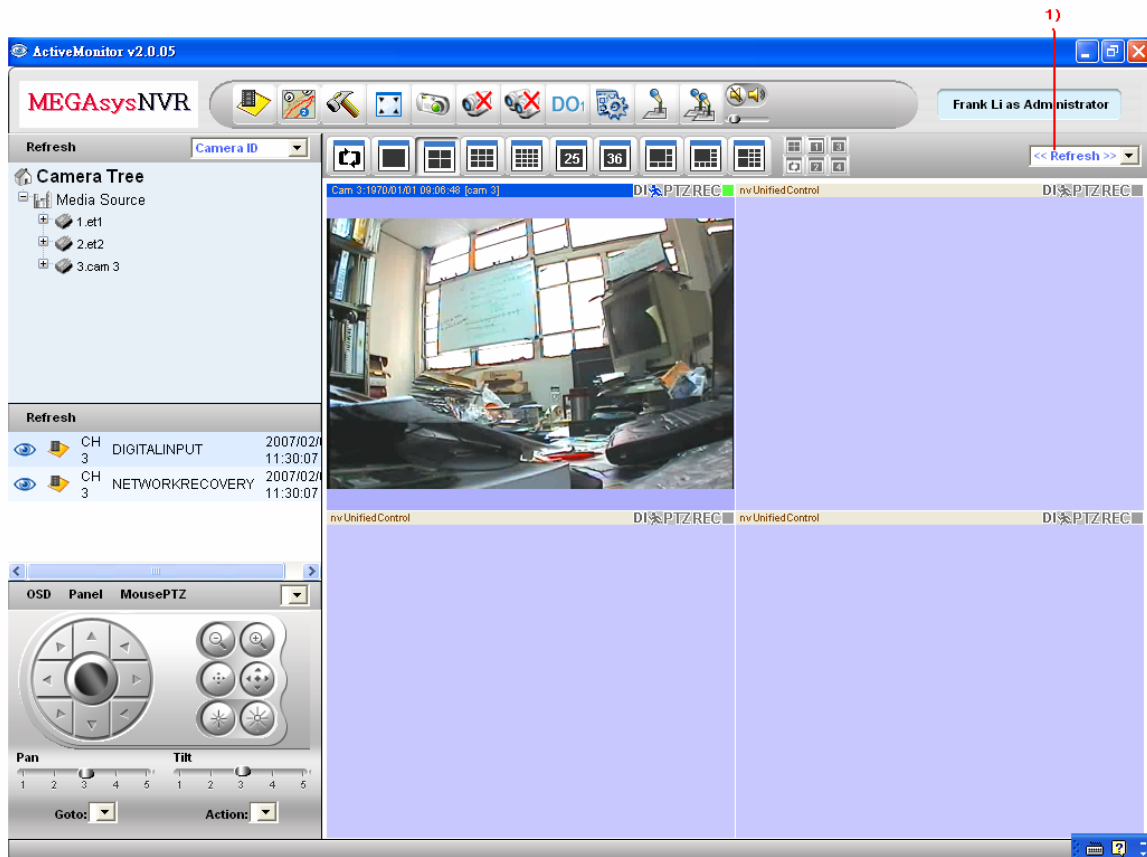


Figure 3-11 Select predefined Layout

1. **Pre-defined layout options:** If you have pre-defined layouts in System Setup (See Page X for details), you will find them here. Selecting any one of them will automatically bring up the layout as well as all video channels. Selecting “Refresh” will refresh the list should any layouts has been changed with Active Setup.

## Hot-spot Window

Hot-spot window is designed to alert security officer for certain events. Security officer may simply double click on any video window, that window will then be switched over with the one in hot-spot window. Also, user may setup the action to display video on the hot-spot window when certain event occurs.

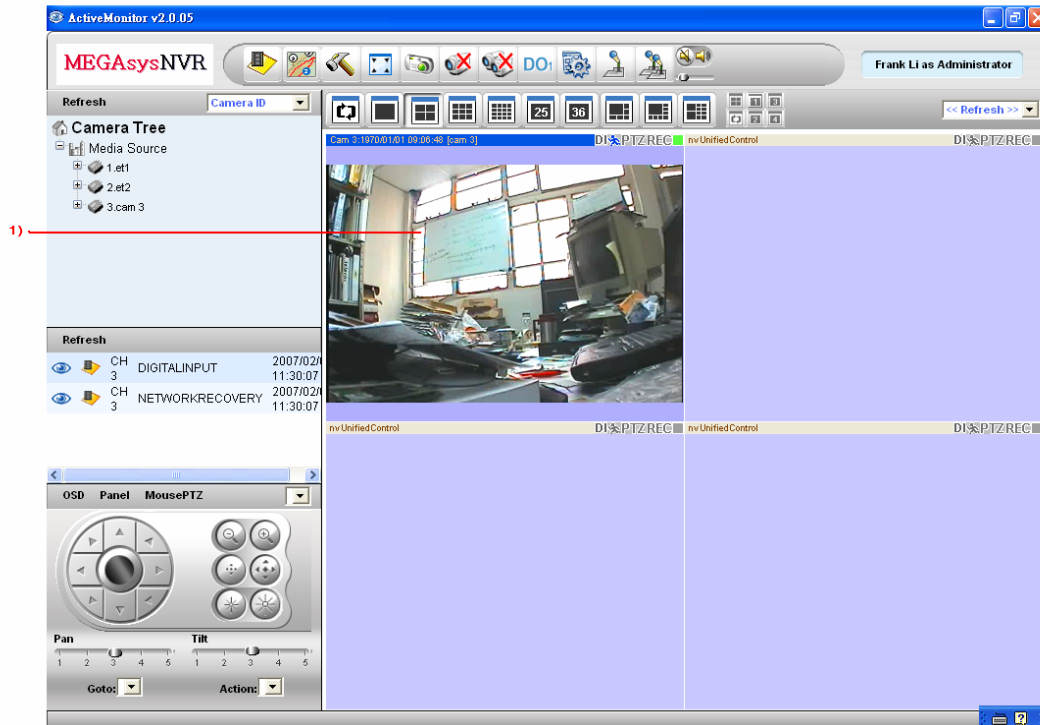


Figure 3-12 Hot-spot Window

1. **Hot-spot Window:** The upper left window in the Window Layout Manager is defined as Hot-Spot Window.



**NOTE:** When double click on other video window, the video channel will then moved to the Hot-spot window, and the original video channel in Hot-spot window will then be switched.



**NOTE:** Please refer to [Active Setup] -> [Camera Setup] -> [Event Manager] on how to setup hot-spot window as the event display video window.

## Layout Patrol

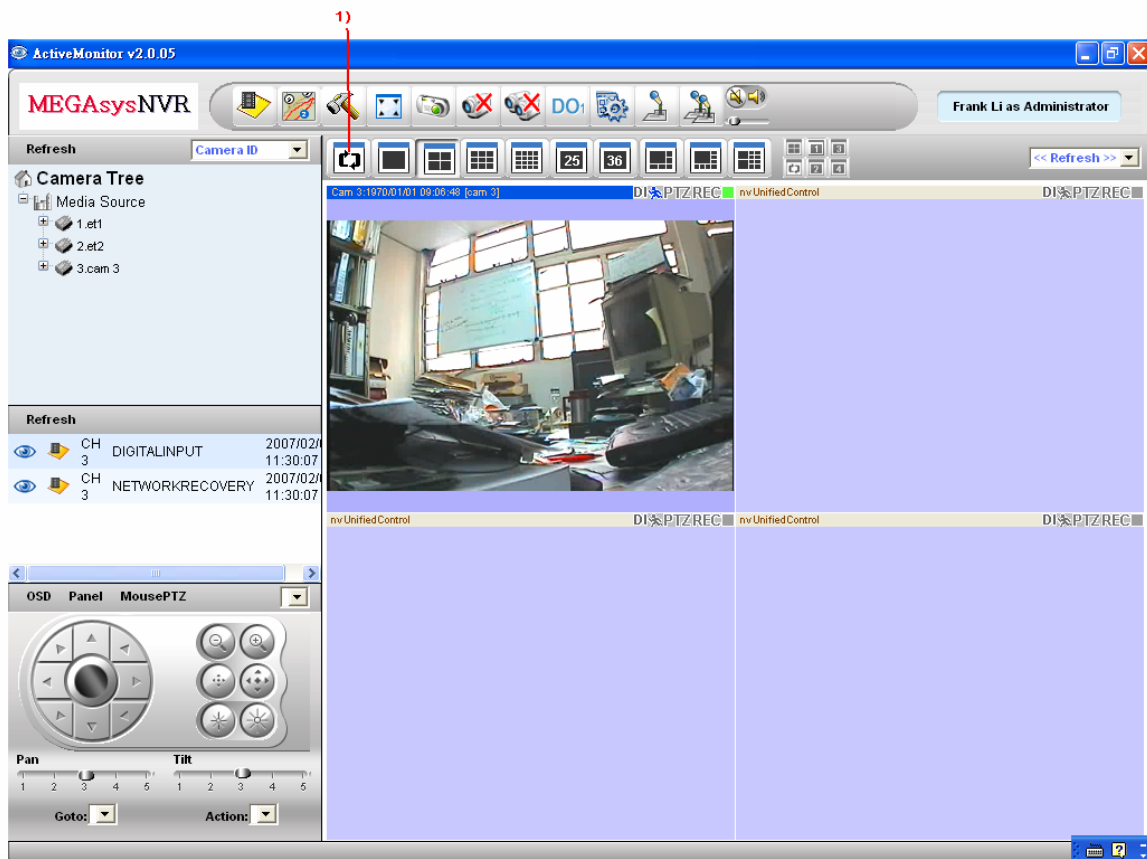


Figure 3-13 Patrol button

1. **Patrol:** Clicking on this icon runs a pre-defined layout patrol sequence. This setting can be found in Active Setup. Clicking on the Patrol button once brings up a sub-menu, which allows you to choose any particular sequence to patrol. Selecting “Cancel” in the sub-menu stops the patrol.



**NOTE:** Depending on the power of the computer used, patrolling between each layout takes a certain amount of time. While the video channels still load, you will not have access to much of the control, including the ability to Cancel the layout patrol. Please make sure the period between each layout is sufficient for all channels to complete loading, especially when the number of channels in a single layout is large.



## Layout Patrol with Full Screen Mode



Figure 3-14 Full screen mode

You may also perform layout patrol while in full screen mode. To do so, you simply need to:

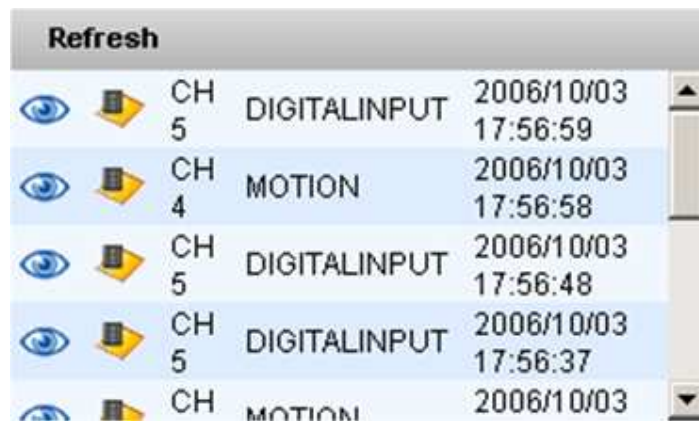
1. Select and run layout patrol by clicking on the patrol button
2. Wait until all channels have completed loading, but before the next layout begins loading
3. Click on the full screen button.

To bring the user interface back out from full screen mode, simply press the **ESC** key.

# Event List Panel

## Event List

You may find the Event List on the left hand side of the Active Monitor. Events due to different events are show on that list. Please see Figure 3-16 for example:



Refresh			
		CH 5	DIGITALINPUT 2006/10/03 17:56:59
		CH 4	MOTION 2006/10/03 17:56:58
		CH 5	DIGITALINPUT 2006/10/03 17:56:48
		CH 5	DIGITALINPUT 2006/10/03 17:56:37
		CH	MOTION 2006/10/03

Figure 3-15 Event List



**NOTE:** The Event List is not saved while Active Monitor is not active.

## Check Event Status

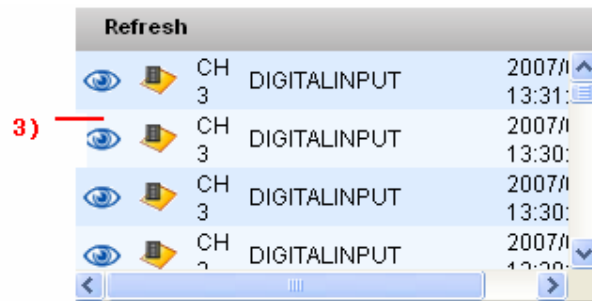


Figure 3-16 Event Status

1. **Event Status:** The events are listed by Channel Number, Type and Time. To view a video clip related to a particular event, click on the “Eye” icon.

Clicking on the icon brings up video on a pop-up mini-preview window

Clicking on the icon brings up file information associated with that particular event. If the file has been recorded and saved, the video archive will also be played on a pop-up mini-playback window.

## System Monitor



Figure 3-17 System Monitor Button

1. **System Log:** Clicking on  button brings up system log.

## System Monitor Listing

System Monitor contains following information:

1. **Recorded:** Recording information
2. **Deleted:** Deletion information, including database and archive file
3. **Alarm:** Alarm information, including digital input 1 and 2
4. **Motion:** Motion detection information
5. **Network Loss/Recovery:** Network loss or recovery information
6. **Video Loss/Recover:** Video loss or recovery information
7. **User Login/Logout:** User login or logout information

## System Monitor - Recorded

Camera	Stream	File	Start Time	End Time	Duration
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173254.raw	2007-01-30 18:26:30	2007-01-30 18:26:58	16
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173224.raw	2007-01-30 18:26:01	2007-01-30 18:26:30	10
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173153.raw	2007-01-30 18:25:28	2007-01-30 18:26:01	16
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173123.raw	2007-01-30 18:25:01	2007-01-30 18:25:27	14
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173052.raw	2007-01-30 18:24:30	2007-01-30 18:25:01	13
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173022.raw	2007-01-30 18:23:57	2007-01-30 18:24:30	15
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172952.raw	2007-01-30 18:23:27	2007-01-30 18:23:57	13
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172922.raw	2007-01-30 18:23:00	2007-01-30 18:23:27	14
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172852.raw	2007-01-30 18:22:27	2007-01-30 18:23:00	11
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172822.raw	2007-01-30 18:21:55	2007-01-30 18:22:26	13
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172751.raw	2007-01-30 18:21:26	2007-01-30 18:21:55	12
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172721.raw	2007-01-30 18:21:00	2007-01-30 18:21:25	14
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172651.raw	2007-01-30 18:20:27	2007-01-30 18:21:00	15
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172621.raw	2007-01-30 18:19:56	2007-01-30 18:20:27	13
cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172551.raw	2007-01-30 18:19:29	2007-01-30 18:19:56	14

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Figure 3-18 System Monitor - Recorded

1. **Camera:** Camera Name
2. **Stream:** Recording type, including **Continuous**, Event **WithStreaming** and **Schedule**
3. **File:** File location in the disk
4. **Start Time:** Stat time
5. **End Time:** End time
6. **Duration:** Length of the recorded archive

## System Monitor - Deleted

System Monitor -- 網頁對話

System Monitor

Recorded Deleted Alarm Motion Network Loss/Recovery Video Loss/Recovery User Login/Logout

1)	Camera	Stream	File	4)	5)	6)
				Start Time	End Time	Duration
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173254.raw	2007-01-30 18:26:30	2007-01-30 18:26:58	16
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173224.raw	2007-01-30 18:26:01	2007-01-30 18:26:30	10
2)	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173153.raw	2007-01-30 18:25:28	2007-01-30 18:26:01	16
3)	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173123.raw	2007-01-30 18:25:01	2007-01-30 18:25:27	14
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173052.raw	2007-01-30 18:24:30	2007-01-30 18:25:01	13
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130173022.raw	2007-01-30 18:23:57	2007-01-30 18:24:30	15
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172952.raw	2007-01-30 18:23:27	2007-01-30 18:23:57	13
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172922.raw	2007-01-30 18:23:00	2007-01-30 18:23:27	14
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172852.raw	2007-01-30 18:22:27	2007-01-30 18:23:00	11
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172822.raw	2007-01-30 18:21:55	2007-01-30 18:22:26	13
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172751.raw	2007-01-30 18:21:26	2007-01-30 18:21:55	12
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172721.raw	2007-01-30 18:21:00	2007-01-30 18:21:25	14
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172651.raw	2007-01-30 18:20:27	2007-01-30 18:21:00	15
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172621.raw	2007-01-30 18:19:56	2007-01-30 18:20:27	13
	cam 3	WithStreaming	C:\Recordings\Channel3\CHANNEL3_20070130172551.raw	2007-01-30 18:19:29	2007-01-30 18:19:56	14

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Figure 3-19 System Monitor - Deleted

1. **Camera:** Camera Name
2. **Stream:** Recording type, including **Continuous**, Event **WithStreaming** and **Schedule**
3. **File:** File location in the disk
4. **Start Time:** Stat time
5. **End Time:** End time
6. **Duration:** Length of the recorded archive

## System Monitor - Alarm

Camera	Event	Event Time
cam 3	Alarm	2007-02-01 13:43:53
cam 3	Alarm	2007-02-01 13:43:22
cam 3	Alarm	2007-02-01 13:42:52
cam 3	Alarm	2007-02-01 13:42:22
cam 3	Alarm	2007-02-01 13:41:51
cam 3	Alarm	2007-02-01 13:41:21
cam 3	Alarm	2007-02-01 13:40:51
cam 3	Alarm	2007-02-01 13:40:21
cam 3	Alarm	2007-02-01 13:39:50
cam 3	Alarm	2007-02-01 13:38:50
cam 3	Alarm	2007-02-01 13:38:20
cam 3	Alarm	2007-02-01 13:37:50
cam 3	Alarm	2007-02-01 13:37:19
cam 3	Alarm	2007-02-01 13:36:49
cam 3	Alarm	2007-02-01 13:36:19

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Figure 3-20 System Monitor - Alarm

1. **Camera:** Camera Name
2. **Event:** Alarm type
3. **Event Time:** The time of this event occurrence

## System Monitor - Motion

System Monitor -- 網頁對話

System Monitor

Recorded Deleted Alarm Motion Network Loss/Recovery Video Loss/Recovery User Login/Logout

1) Camera	Event	Event Time
cam 3	Motion	2007-02-01 13:45:24
cam 3	Motion	2007-02-01 13:39:20
cam 3	Motion	2007-02-01 12:52:04
2) cam 3	Motion	2007-02-01 12:41:31
cam 3	Motion	2007-02-01 12:23:51
cam 3	Motion	2007-02-01 12:11:05
cam 3	Motion	2007-02-01 12:08:34
cam 3	Motion	2007-02-01 11:53:00
cam 3	Motion	2007-02-01 11:45:34
cam 3	Motion	2007-02-01 11:42:51
cam 3	Motion	2007-02-01 11:36:56
cam 3	Motion	2007-01-31 16:56:26
cam 3	Motion	2007-01-31 16:55:20
cam 3	Motion	2007-01-31 16:52:44
cam 3	Motion	2007-01-31 16:49:08

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Figure 3-21 System Monitor - Motion

1. **Camera:** Camera Name
2. **Event:** Motion type
3. **Event Time:** The time of this event occurrence
4. **Page Indicator:** Navigate through the record set, including first page, last page, previous page, next page



## System Monitor – Network Loss/Recovery

System Monitor -- 網頁對話

System Monitor

Recorded Deleted Alarm Motion **Network Loss/Recovery** Video Loss/Recovery User Login/Logout

Camera	Event	Event Time
cam 3	Motion	2007-02-01 13:45:24
cam 3	Motion	2007-02-01 13:39:20
cam 3	Motion	2007-02-01 12:52:04
cam 3	Motion	2007-02-01 12:41:31
cam 3	Motion	2007-02-01 12:23:51
cam 3	Motion	2007-02-01 12:11:05
cam 3	Motion	2007-02-01 12:08:34
cam 3	Motion	2007-02-01 11:53:00
cam 3	Motion	2007-02-01 11:45:34
cam 3	Motion	2007-02-01 11:42:51
cam 3	Motion	2007-02-01 11:36:56
cam 3	Motion	2007-01-31 16:56:26
cam 3	Motion	2007-01-31 16:55:20
cam 3	Motion	2007-01-31 16:52:44
cam 3	Motion	2007-01-31 16:49:08

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Figure 3-22 System Monitor – Network Loss/Recovery

1. **Camera:** Camera Name
2. **Event:** Network status, including **Network Loss** and **Network Recovery**
3. **Event Time:** The time of this event occurrence
4. **Page Indicator:** Navigate through the record set, including first page, last page, previous page, next page

## System Monitor – Video Loss/Recovery

Camera	Event	Event Time
cam 3	Video Loss	2007-01-24 10:49:37
cam 3	Video Loss	2007-01-24 10:44:56
cam 3	Video Loss	2007-01-24 10:28:21
et1	Video Loss	2007-01-17 18:32:48
et1	Video Recovery	2007-01-17 12:05:50
et1	Video Loss	2007-01-17 12:05:46
et1	Video Loss	2007-01-17 12:05:43
et2	Video Loss	2007-01-08 18:34:44
et2	Video Loss	2007-01-02 18:37:01
et2	Video Recovery	2006-12-20 15:14:23
et2	Video Loss	2006-12-20 15:14:21
et2	Video Recovery	2006-12-20 15:09:09
et2	Video Loss	2006-12-20 15:09:07

Page navigation: << 1 | Prev | Next > | Last Page >> |

Figure 3-23 System Monitor – Video Loss/Recovery

1. **Camera:** Camera Name
2. **Event:** Network status, including **Network Loss** and **Network Recovery**
3. **Event Time:** The time of this event occurrence
4. **Page Indicator:** Navigate through the record set, including first page, last page, previous page, next page

# PTZ Panel

## PTZ Operation

PTZ controls can be found on the bottom left hand side of the Active Monitor. Most of functions seen below are disabled until PTZ control setup for the particular camera or video server is completed and enabled. Please consult Page X for setting up PTZ.

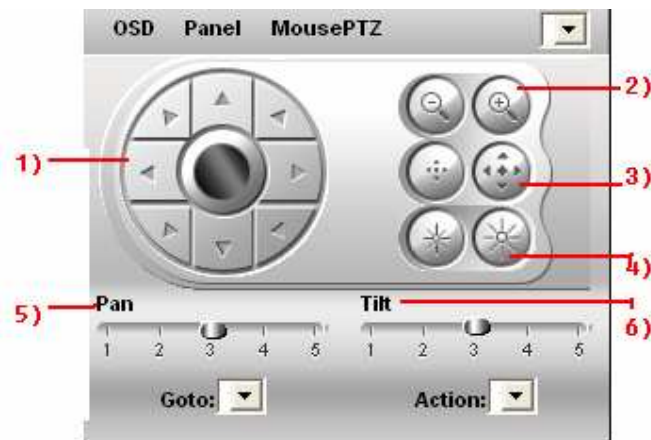








Figure 3-24 PTZ Operation

1. **Pan-Tilt Control:** Contains 8-way Pan-Tilt operation
2. **Zoom Control:** Click  to zoom out. Click  to zoom in
3. **Focus Control:** Click  to focus near. Click  to focus far.
4. **Iris Control:** Click  to set open iris. Click  to set close iris.
5. **PAN Speed:** Adjust PAN speed. Rating 1 to 5. Higher number indicates faster Pan speed. The actual angular speed varies from protocol to protocol. Click on a number on the bar to select the desired speed
6. **Tilt Speed:** Adjust TILT speed. Rating 1 to 5. Higher number indicates faster Tilt speed. The actual angular speed varies from protocol to protocol. Click on a number on the bar to select the desired speed



**NOTE:** Note that, different speed dome protocol may vary on the 8-way Pan-Tilt operation. CAM-6500's Dynacolor protocol supports 4-way Pan-Tilt operation

## OSD Operation

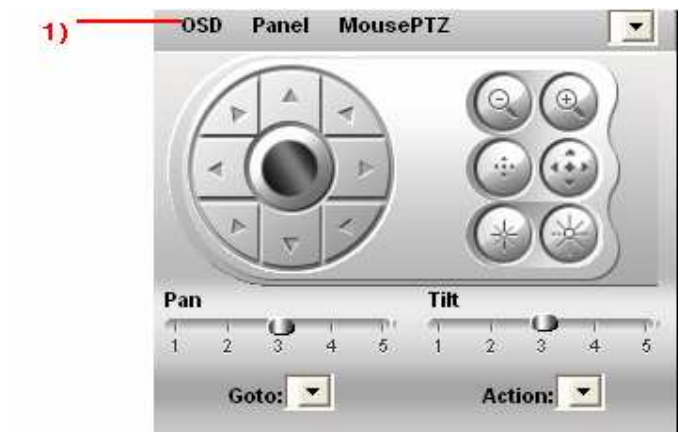


Figure 3-25 OSD Operation

1. **OSD:** Click to enable or disable on-screen menu of the PTZ camera, if applicable. Button appears pressed when enabled, and appears released when OSD is disabled. Once enabled, use the arrow keys to operate the menu.

## Control Panel Support

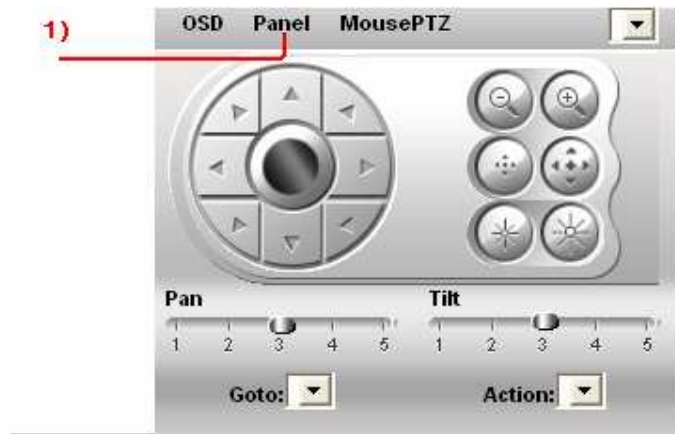


Figure 3-26 Control Panel Operation

1. **Control Panel:** Click to enable or disable control panel support. Control panel needs to connect on the serial port (RS-232) on the computer running Activator v2.0. Please refer to **Joystick** section on Control Panel and Serial Port setup.

## IP Joystick Support

Activator v2.0 also supports IP Joystick connected on the USB port. Please refer to **Joystick** section on IP Joystick button setup.



**IMPORTANT:** Note that the IP Joystick has to plug into the USB port *before* Activator v2.0 starts.

## Mouse PTZ

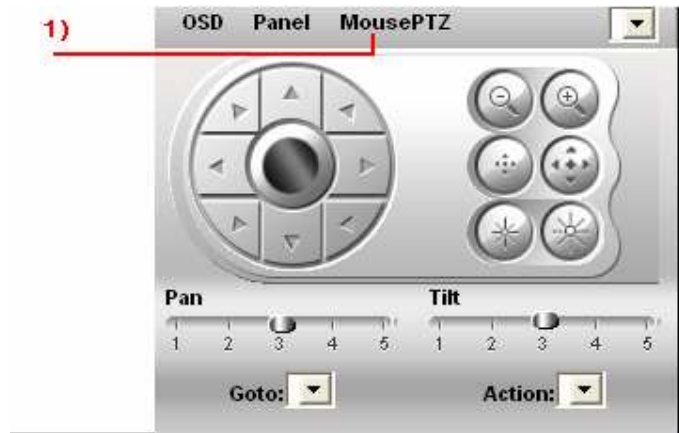


Figure 3-27 Mouse PTZ Operation

1. **MousePTZ:** Click to enable or disable mouse PTZ for the selected the camera. Button appears pressed when enabled, and appears released when mouse PTZ is disabled. Once enabled, use the arrow keys to operate the menu.



**NOTE:** Mouse PTZ works under full-screen mode as well. Press F12 may enable full screen mode.

## PTZ Preset Tour and Scan

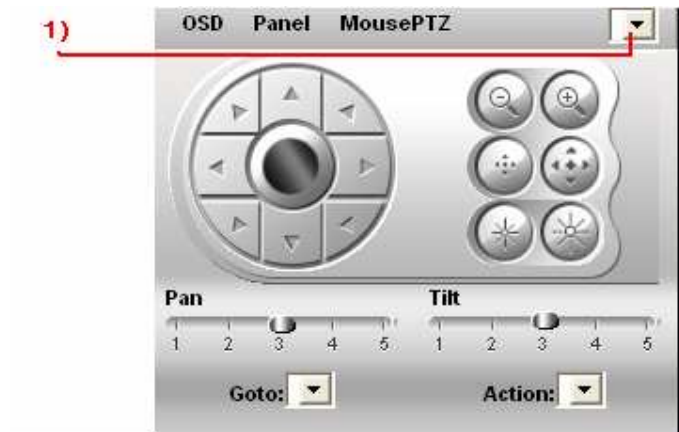


Figure 3-28 PTZ Preset Tour and Scan

1. **PTZ Preset Tour:** Click to select the PTZ Preset Tour you would like the PTZ to cycle through. Selecting “STOP” as shown in the dropdown menu stops the tour. Please see Page X for setting up Preset Tours. Under this selection, you can find Auto Scan on and off as well.

## Goto Preset Position

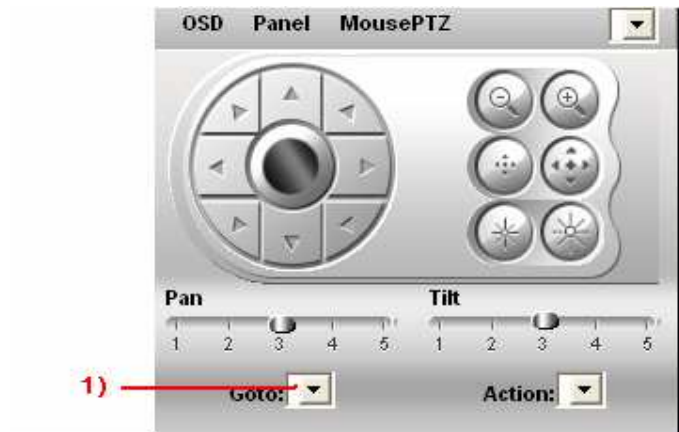


Figure 3-29 Goto Preset Position

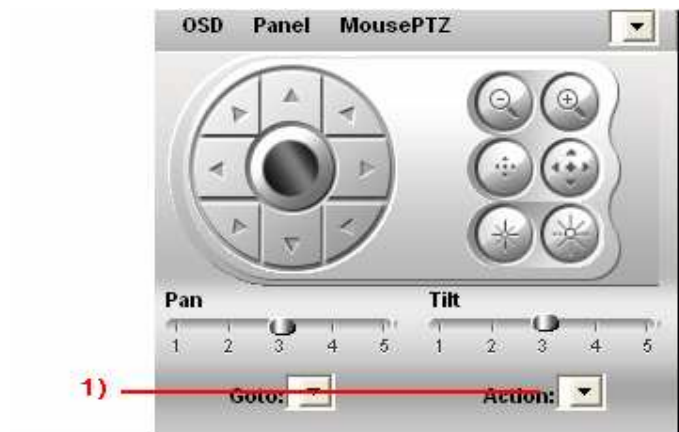
1. **Goto:** This moves the PTZ camera to a certain pre-defined point. You may set up the preset points by going to the PTZ Preset page. See Page X for more details.



**NOTE:** Note that the preset position is listed in description.



## Run User-defined PTZ Actions



1. PTZ Patrol: Click to select the PTZ Preset Tour you would like the PTZ to cycle through. Selecting "STOP" as shown in the dropdown menu stops the tour. Please see Page X for setting up Preset Tours.

## Joystick Support

# 4. Archive Player

## Introduction

The section describes the mechanism on how to search ACTi's IP surveillance products on network. With this mechanism, you can locate the devices on the network, then use URL commands to operate or manage those devices.

Figure 4-1

# Playback Operation

Running “ActivePlayer.exe” or clicking on the “Playback” icon from the menu bar above other applications brings up the Playback screen.

## Start Playback Video Archive

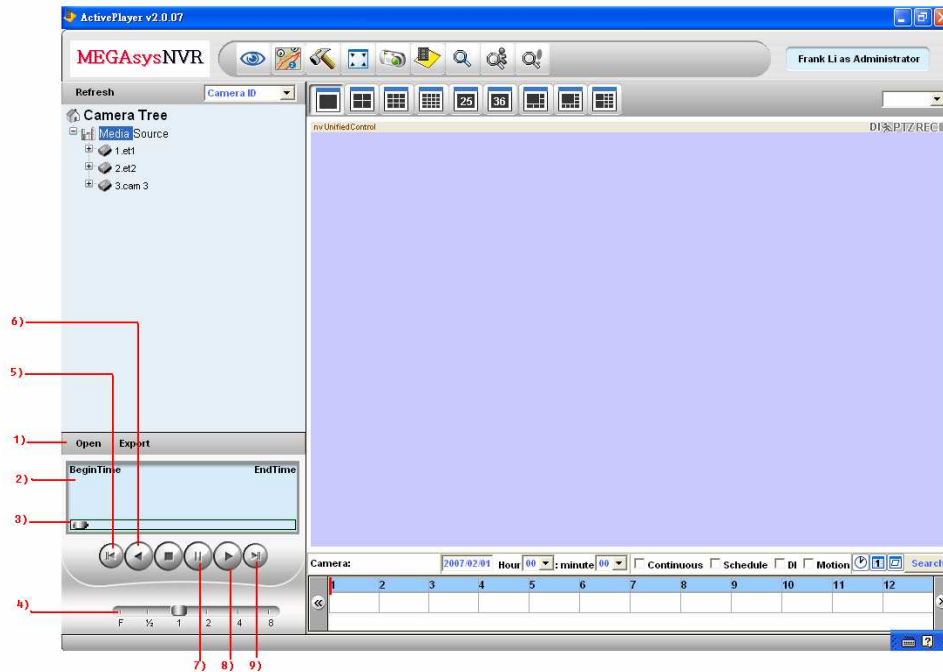


Figure 4-2 Playback Panel

1. **Open video file:** This brings up a pre-recorded file that has been recorded into the standard RAW format, or converted to an AVI. Browse from your disk as you would open any file.
2. **File Info:** Shows the Camera, Start Time, and End Time of the file being played.
3. **Time bar:** Shows where in the video clip the current play position is. Left of the bar denotes the beginning, and the right denotes the end. You may click on the bar to jump to a certain position within that clip.
4. **Play speed bar:** Fast forward or slow play the video at half-speed.
5. **Step frame back:** Pause and view previous frame.
6. **Play backward:** Play the video backwards at 1x speed.
7. **Pause:** Stop and video and halt at the current frame.
8. **Play forward:** Begin normal play.
9. **Play step forward:** Pause and show the next frame.

## Stop Playback

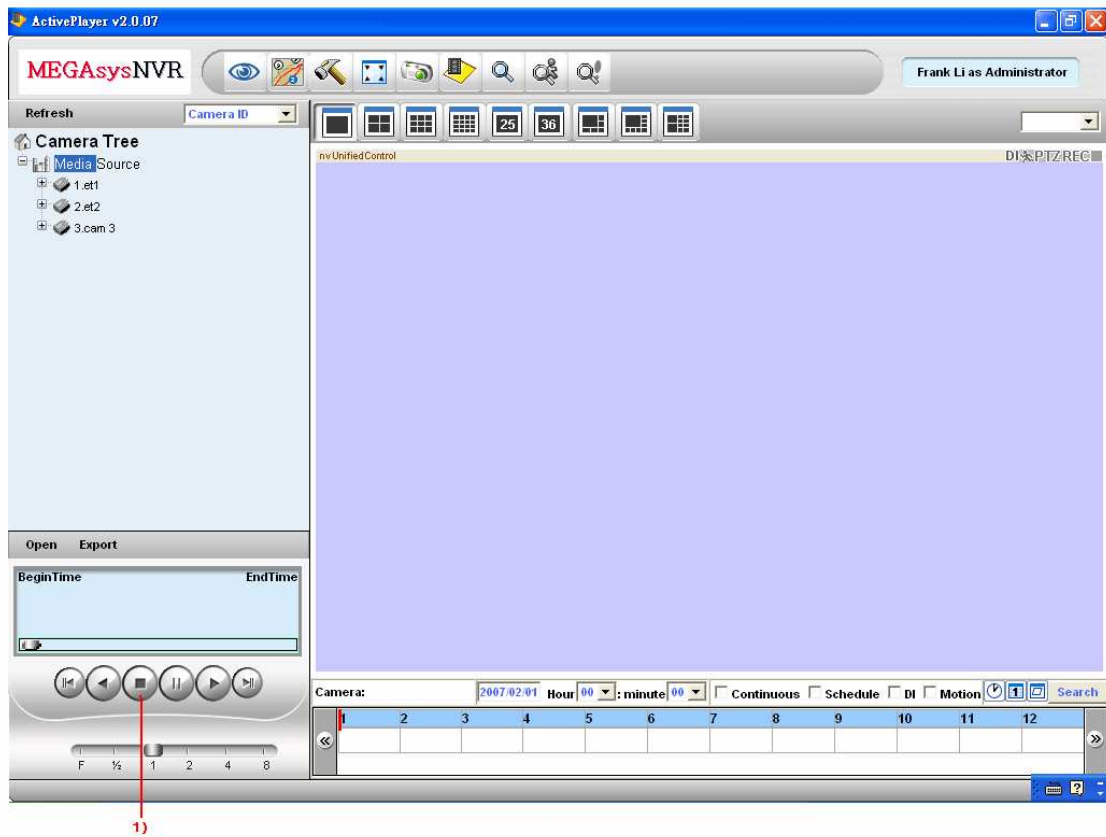


Figure 4-3 Playback button

1. **Stop play button:** Stop video and remove video from display.

## Create Snapshot [Always disabled under playback?]

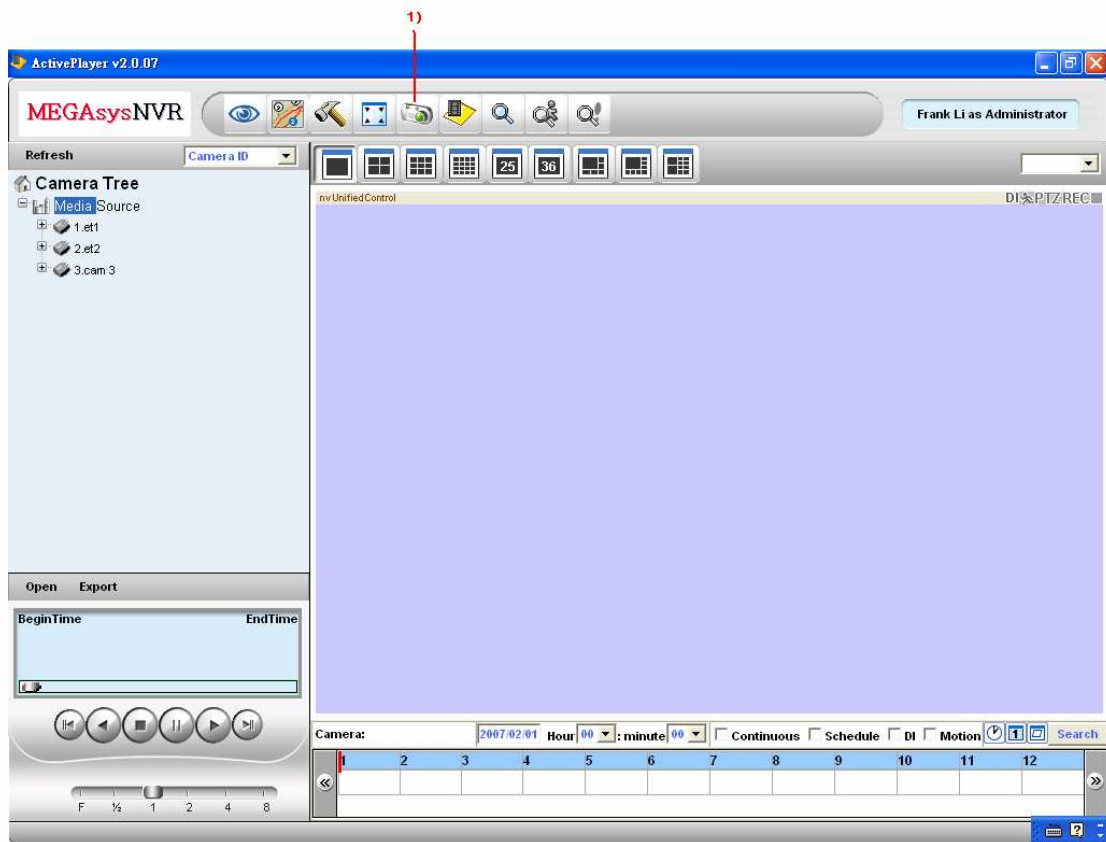


Figure 4-4 Snapshot button

1. **Snapshot button:** Save the current video frame at full resolution of the video as a JPG file.

## Search Event

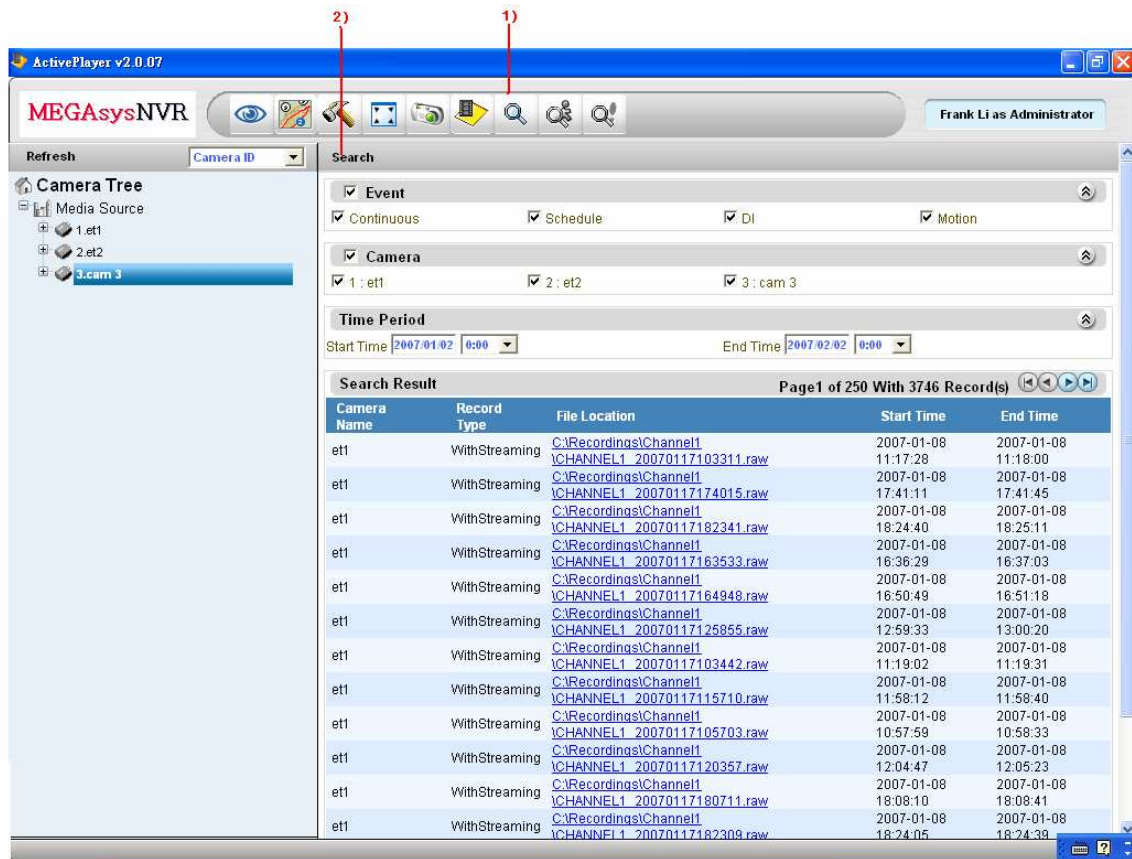


Figure 4-5 Search Event

1. **Show search page:** Click to show the manual search page.
2. **Search button:** After selecting the types of events, cameras, and the search begin and end time, clicking on the Search button shows all that can be found on the database. Clicking on the link found plays that file as a whole.



**NOTE:** The begin and end times are relative to the camera clock instead of the computer clock. Make sure you get select the correct time period you would like to search within.

## Export Video Archive

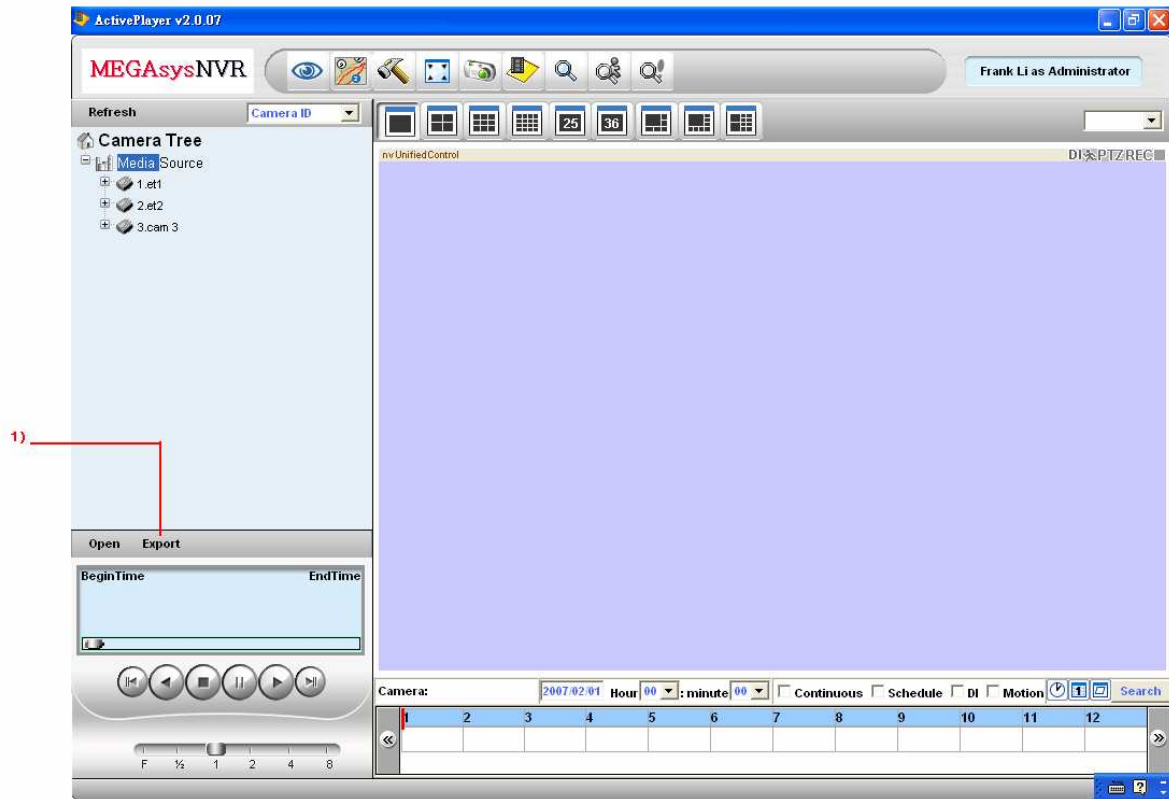


Figure 4-6 Export video

1. Export: Converts the file currently being played into an AVI, playable via Windows Media Player as necessary.



**NOTE:** You must have the ffdshow or DivX codec installed in your computer to play the converted video in Windows Media Player.



## Time-based Search Bar

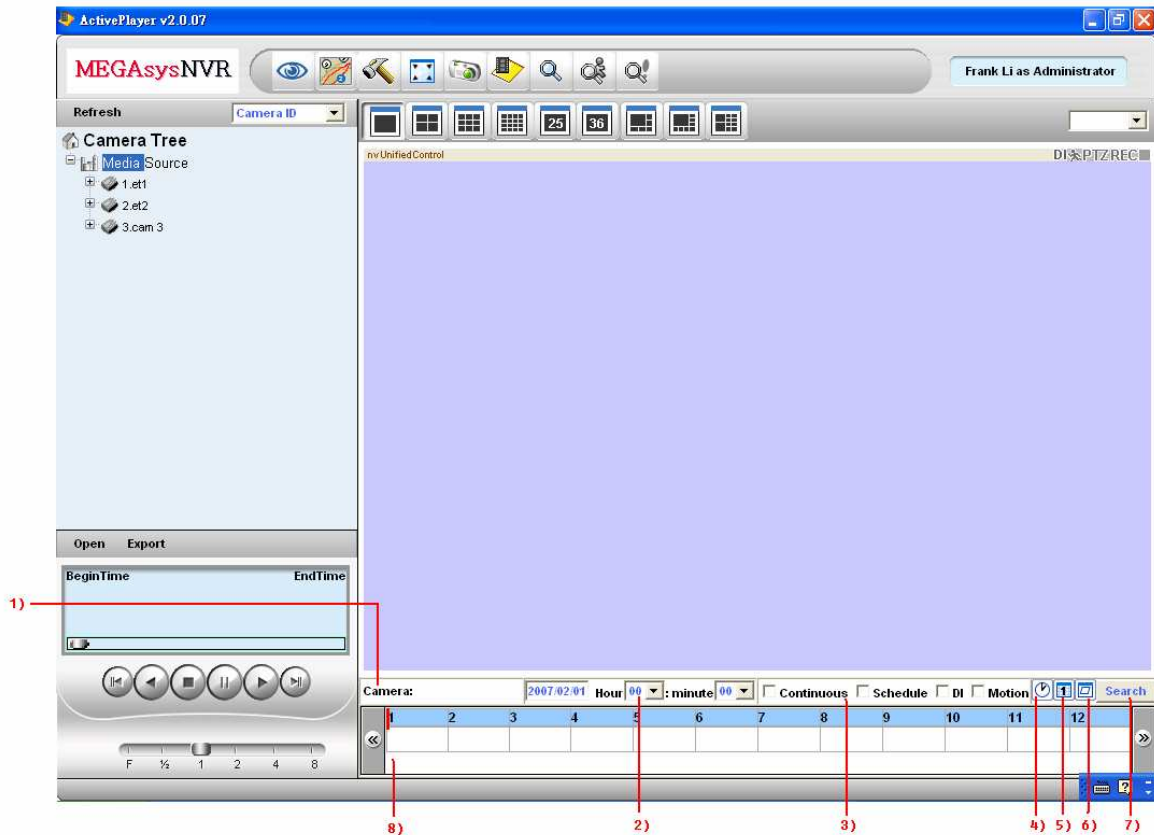


Figure 4-7 Time-based search bar

1. **Selected camera id:** Shows the camera currently being displayed. To select the camera, click once on the camera name on the device tree.
2. **Search time:** Search for recorded video strating the date and time indicated. This time is relative to the device clock instead of the computer clock.
3. **Search event:** Search for the type of event recorded within that period of time.=
4. **View by hour button:** Change the scale of the time bar to one hour.
5. **View by day button:** Change the scale of the time bar to 24 hours.
6. **View by user defined period:** Display the scale of the time bar to a scale defined by the user.
7. **Search button:** Begin a new search using the defined conditions and display the result on the time bar.
8. **Time bar:** Shows the recorded videos found by the search. Clicking on a position on the bar plays the video at that position if there is video.

## Playback Toolbar **[Which tool bar is this?]**

Figure 4-8

## Open Video Archive File

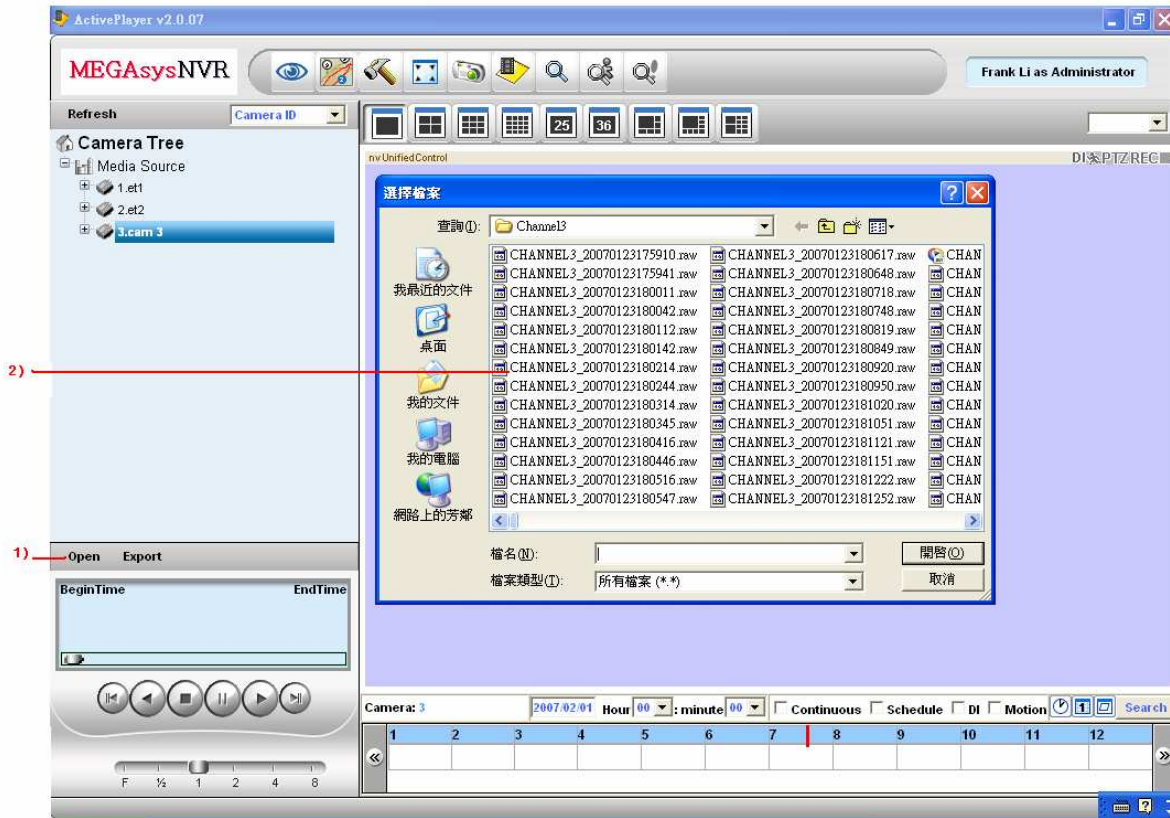


Figure 4-9 Open playback file

1. **Open file button:** Opens a particular RAW and AVI file manually.
2. **Open file dialog:** This standard open file dialogue box appears when the “Open” button is pressed. You may browse for the file you would like to play normally.

## Export Video Archive

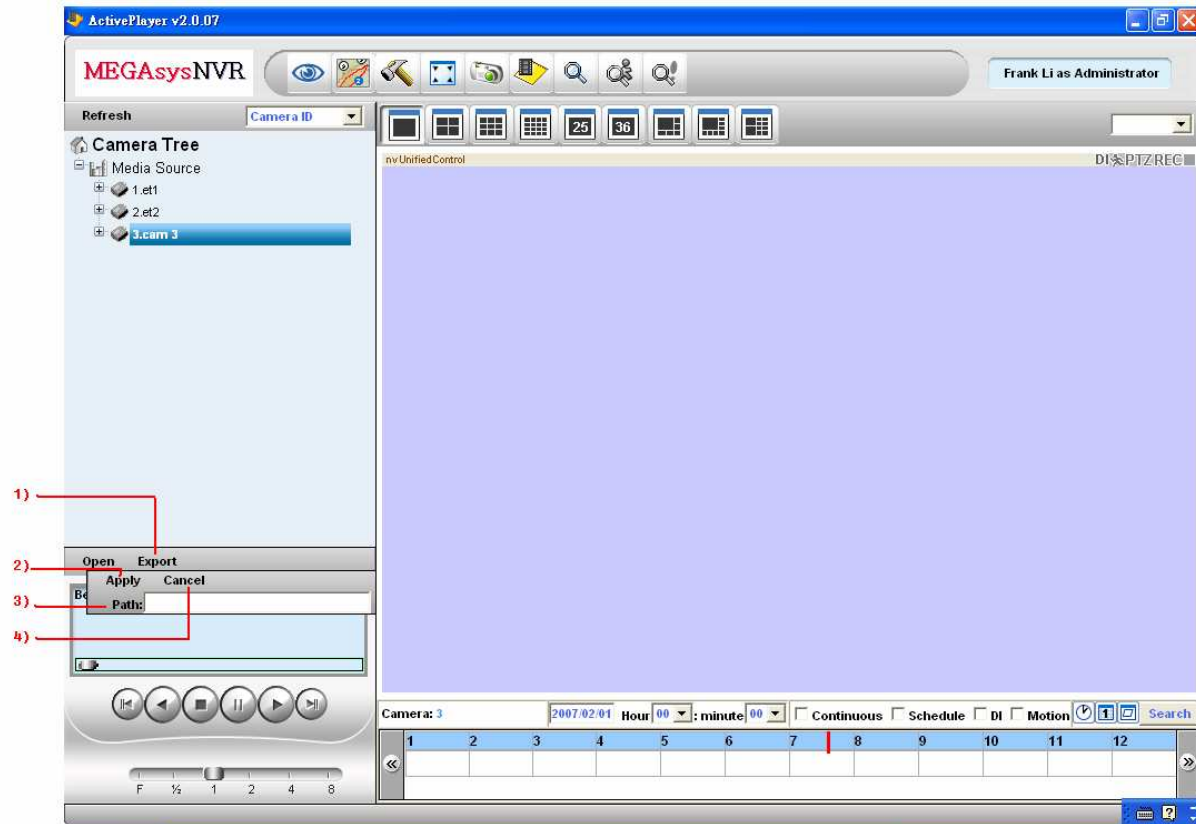


Figure 4-10 Export panel

1. **Export function button:** Save the video currently playing in to an AVI file.
2. **Apply:** Begins exporting.
3. **Export file path:** Change where the AVI file is to be exported if necessary,
4. **Cancel:** Cancels export.

## Playback Control [Duplicate]

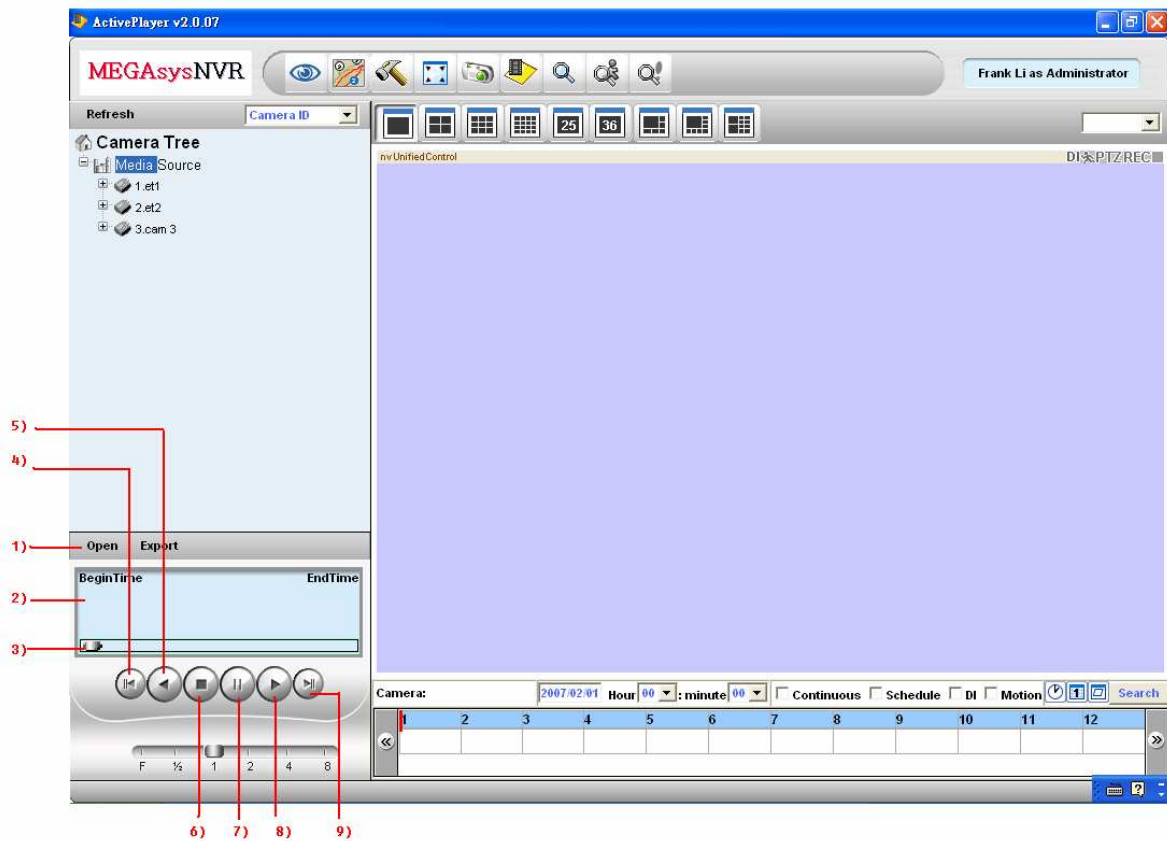


Figure 4-11 Playback Control Panel

1. Open file button:
2. File information:
3. Time bar:
4. Step frame back:
5. Play backward:
6. Stop play:
7. Pause:
8. Play file:
9. Step frame forward:

## Playback Speed Control [Duplicate]

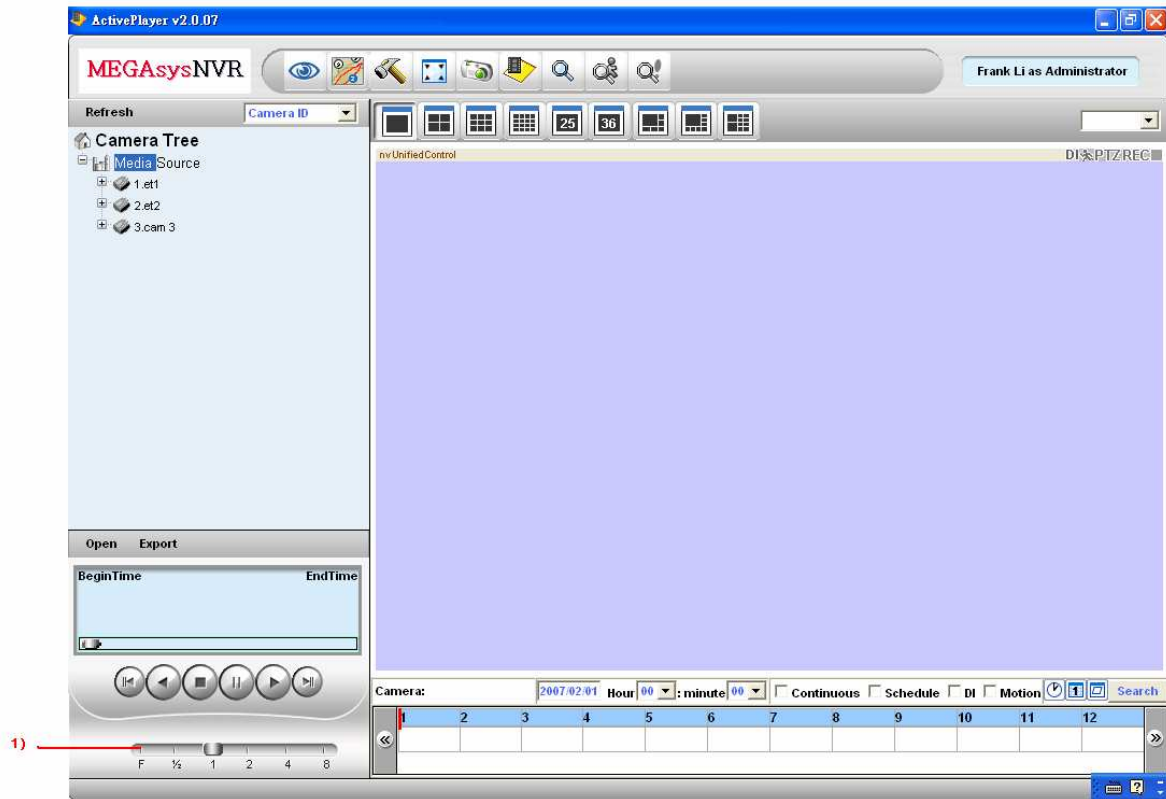


Figure 4-12 Play Speed Bar

1. Speed control

## Repeat

Figure 4-13

# Event List Panel

Figure 4-14



# Time-based Search Bar

## Select Channel

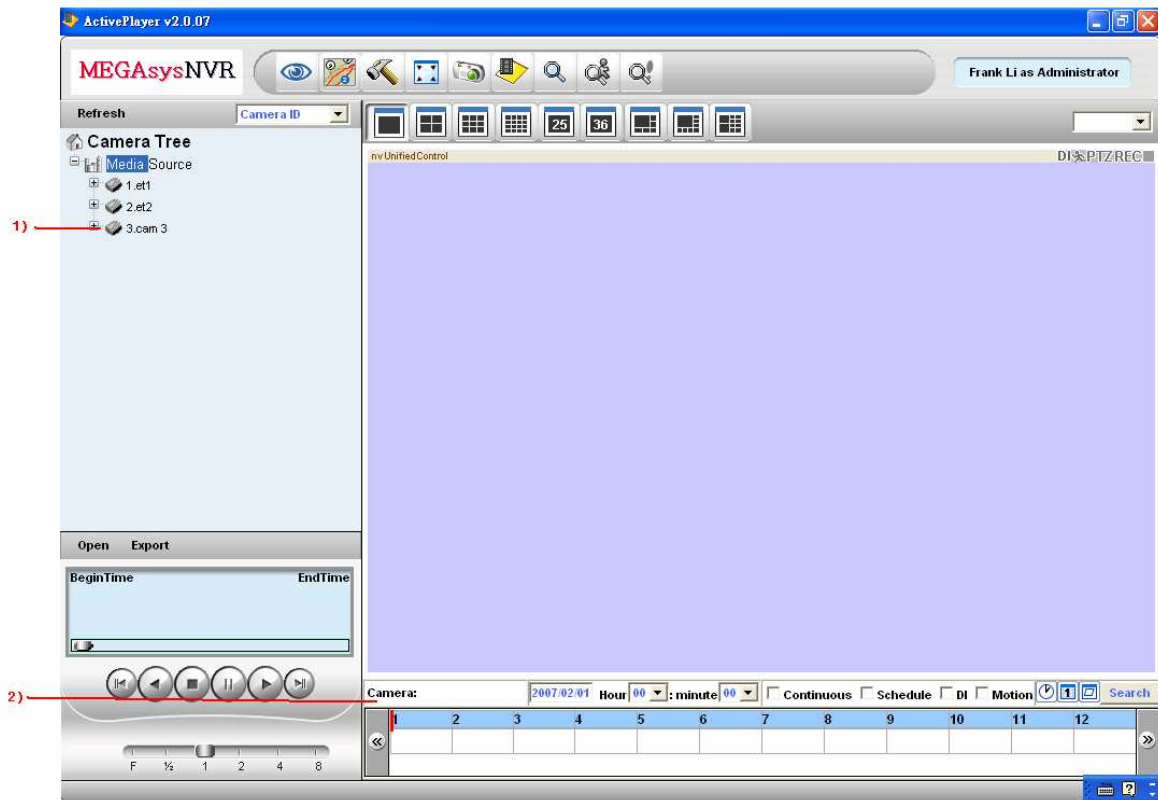


Figure 4-15 Select Channel

1. Camera nodes:
2. Selected camera:

## Search Criteria

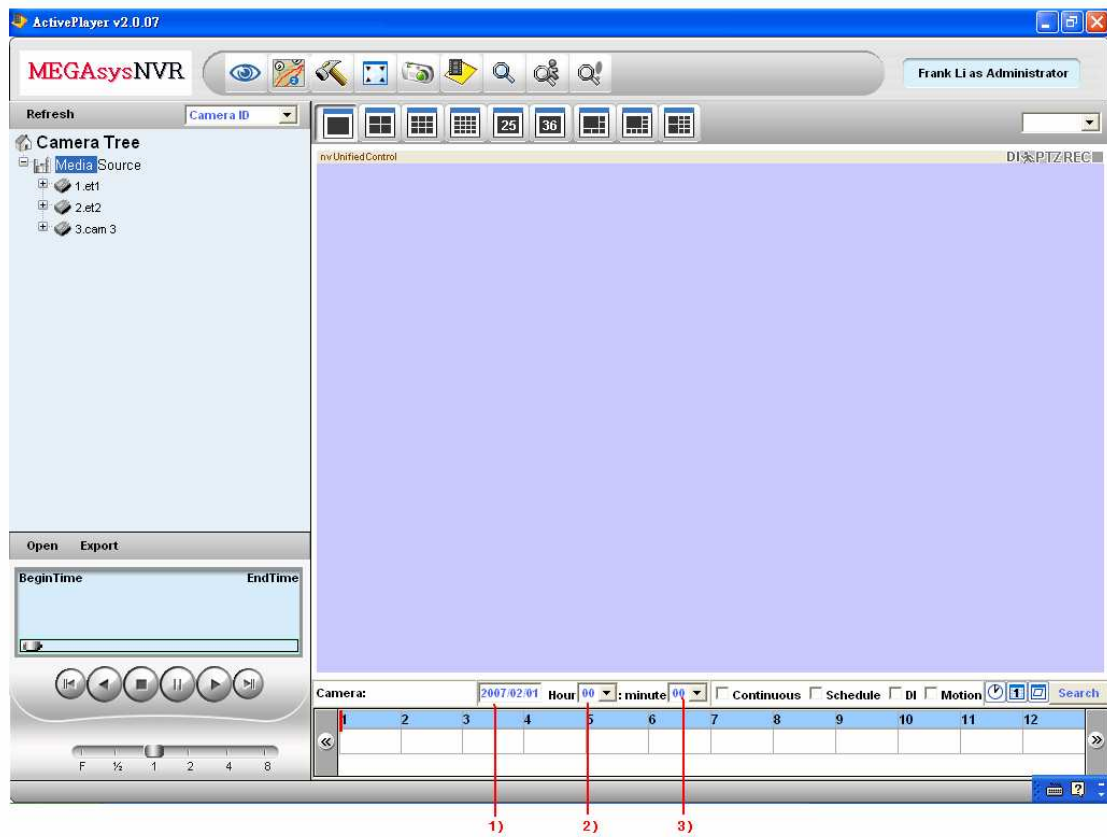


Figure 4-16 Search criteria

1. Select date
2. Select hour
3. Select minute

## View by Hour

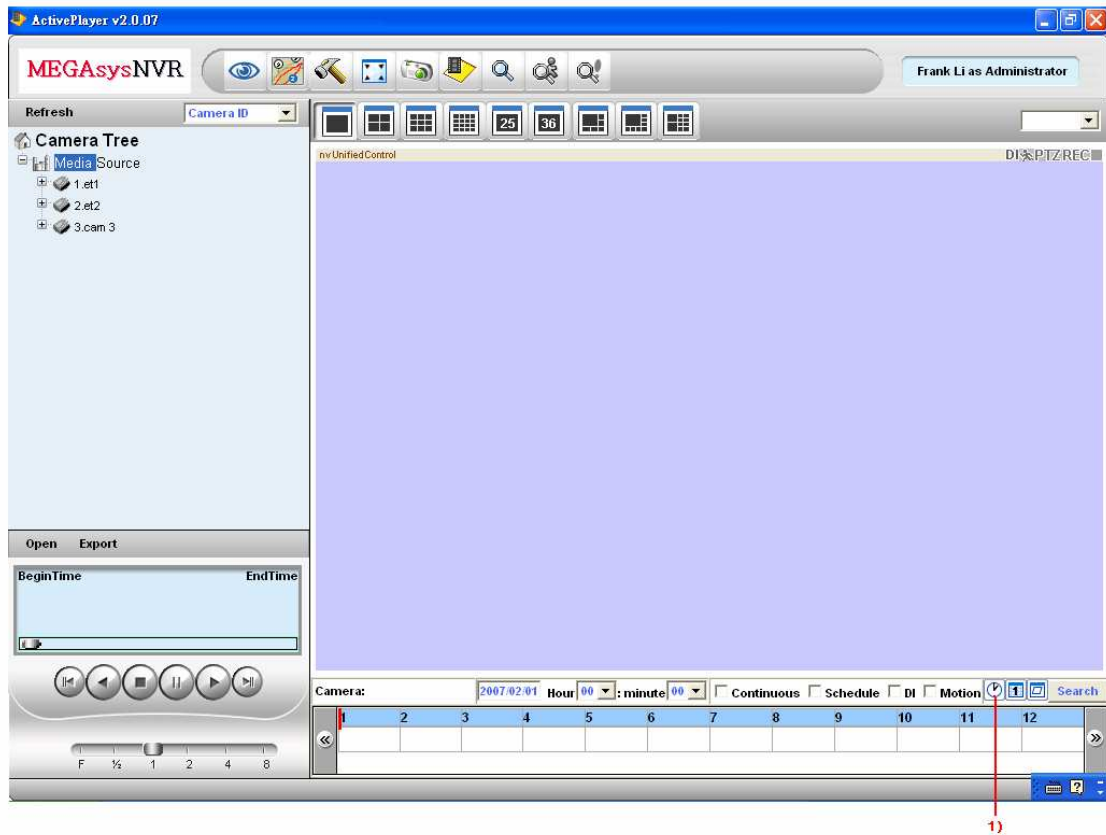


Figure 4-17 View by hour

1. View by hour button

## View by Day

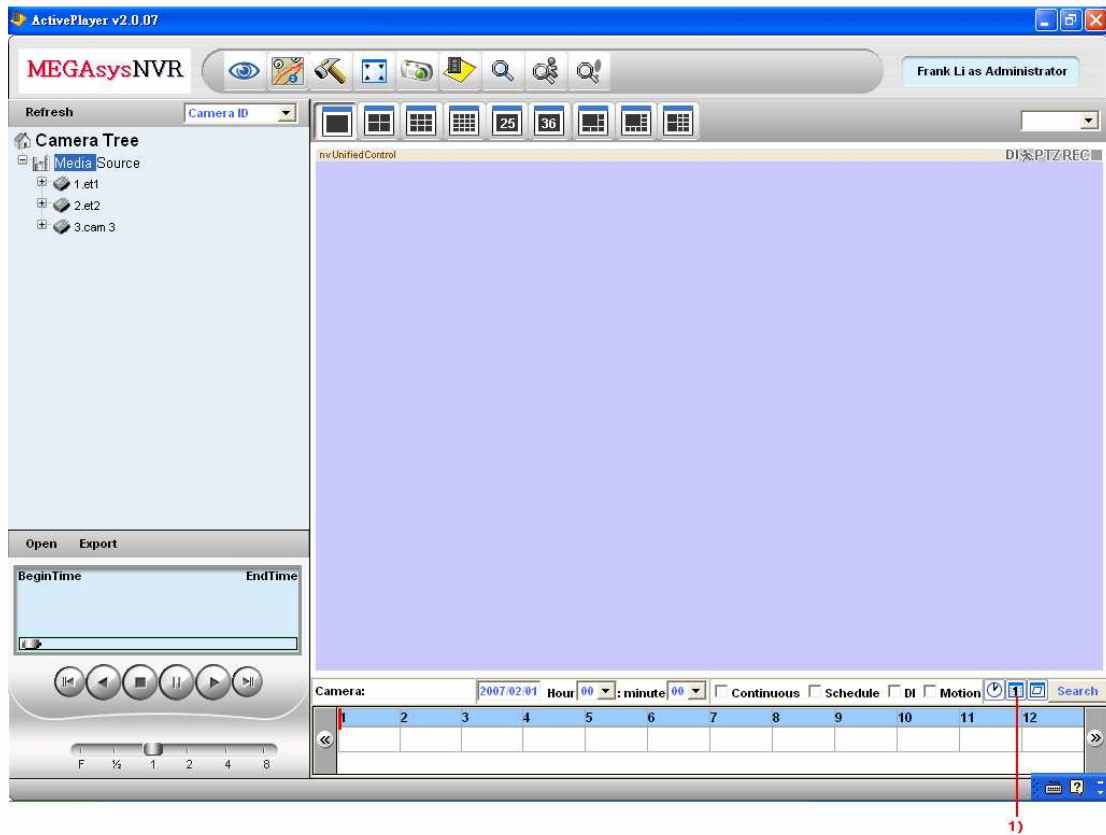


Figure 4-18 View by day

1. View by day button

## View by Week

Figure 4-19

## View by Month

Figure 4-20

## View by a period of time

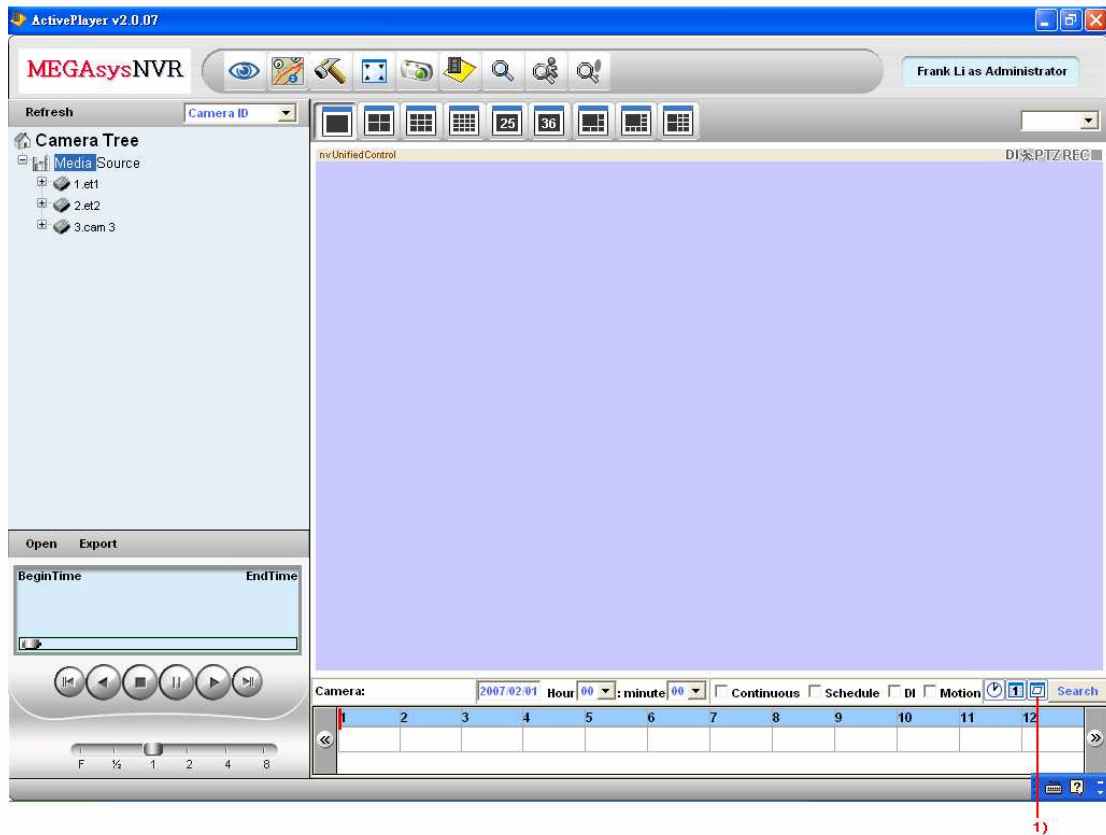


Figure 4-21 Multichannel playback

1. User defined period button

# Search Video Archive

## Search Function

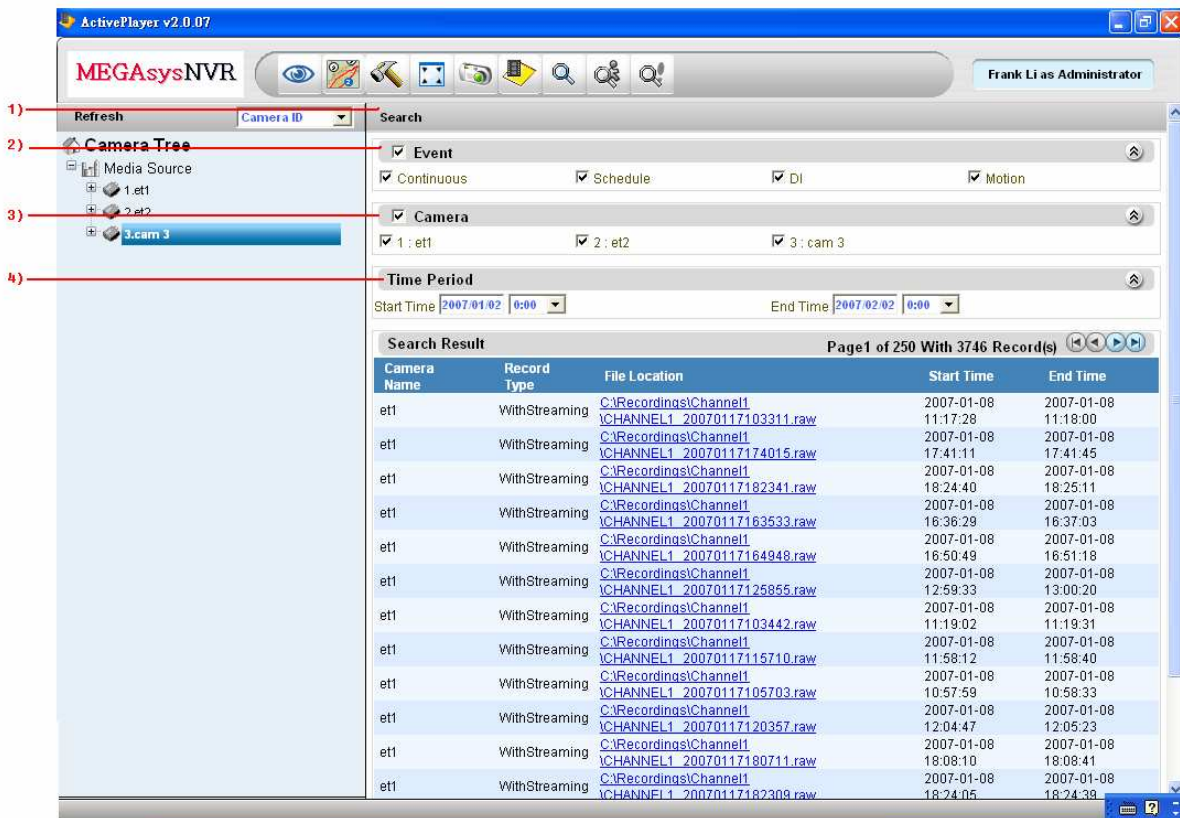


Figure 4-22 Search function page

1. **Search:** Click to begin searching.
2. **Event list:** Select the correct type of event you would like searched.
3. **Camera list:** Select the camera you would like searched.
4. **Time period:** Select the begin and end times for the search. These times are relative to the internal clocks of the device.



# Synchronous Playback

Select Pre-Defined Layout

## Get a Blank Layout

To perform an synchronized playback of all channels selected, you need to:

1. Select view layout.
2. Select a view window on the layout.
3. Select a camera from the camera tree and search on the time bar.
4. Click on time bar to play video.
5. Repeat Steps 2 through 4 for any other cameras, until you have the right cameras on the layout.
6. Select a view window that you would like other cameras to be synchronized to.
7. Click on the SyncPlayBack button. All video is now synchronized to the selected camera..

# Event Handling

## Display Events

# 5. eMap Viewer

## Introduction

**Description:** eMAP viewer is an interface for user to see images in a eMAP. It can help customer to have more visualized control on surveillance system. This Chapter aims to guide you through the eMAP operation

eMAP Viewer contains functions of 1. eMAP live preview, 2. eMAP tree directory..

**Relations with other chapter:** The eMAP viewer operation relies on correct setup during “Quick-installation-Guide: Software installation” and “Chapter 7: ActiveSetup”.

# eMap Viewer Operation

## Overview

Below are the main page of eMAP viewer. It contains several sections as below.

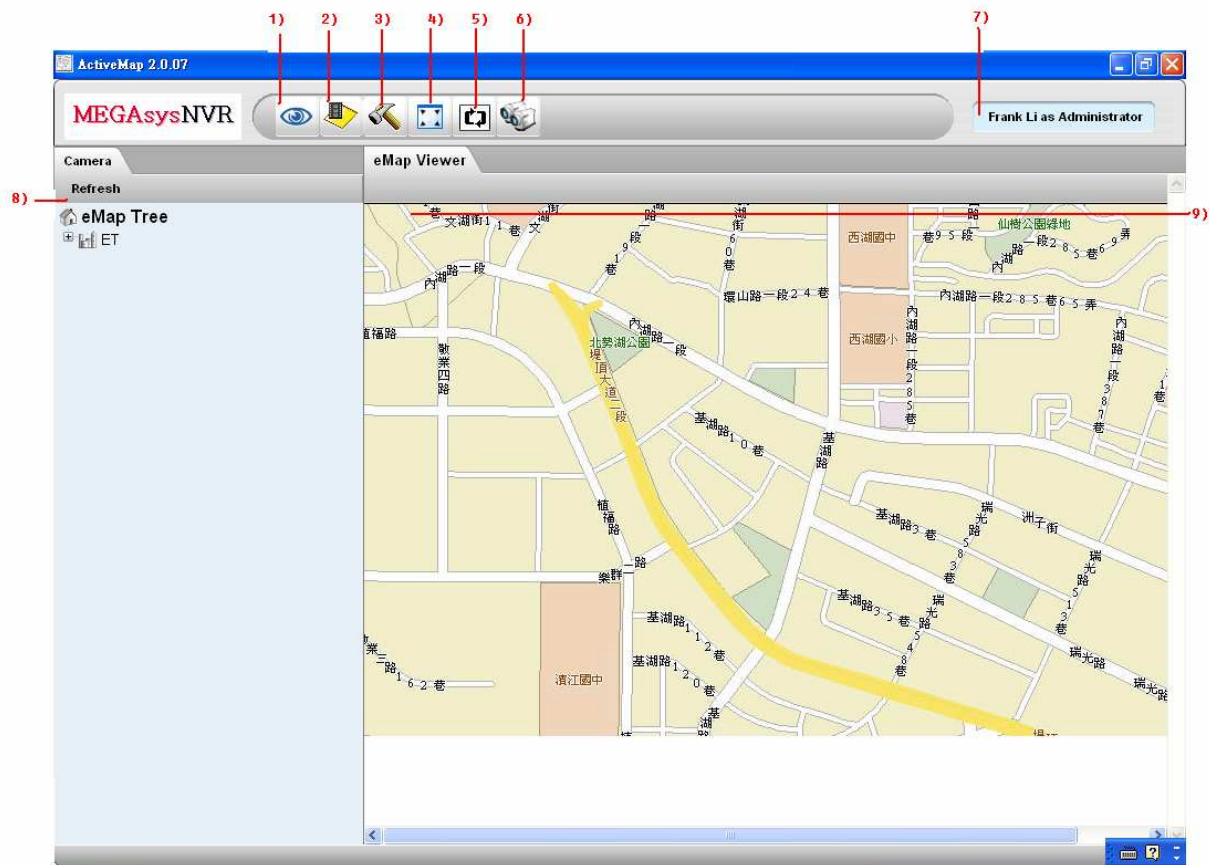


Figure 5-1 eMap Page

1. **ActiveMonitor** button  
Click this button to open the ActiveMonitor in another browser window.
2. **ActivePlayer** button  
Click this button to open the ActivePlayer in another browser window.
3. **ActiveSetup** button  
Click this button to open the ActiveSetup in another browser window.

4. **Fullscreen Mode** button  
Click this button to stretch the eMAP viewer to full screen.
5. **AutoPatrol Mode** button  
Click this button to enable/disable the auto patrol function of eMAP viewer. When auto patrol function is enabled, the eMAP viewer will switch between your selected maps with programmable dwell time later section for more details.
6. **Preview All** mode  
Click this button to open/close all mini-preview map on the eMAP viewer. Please refer to later section for more details.
7. **User Info** panel  
This panel shows the information of the user current using the eMAP viewer. The information includes 1. user name, 2. user authentication level.
8. **Camera Tree** panel  
In this panel, you can see a camera tree containing all the cameras in displayed in current eMAP.
9. **Map Display**  
In this area, you can see the MAP and mini-preview window of each camera (according to your settings).

## Preview All Mode

If you press the “Preview All” button, you will see the mini-display window of each camera in this e-map as below.

Figure 5-2 Preview All

1. **PreviewAll Button**

Click this button to open/close all mini-preview map on the eMAP viewer.

2. **Mini-preview Window**

Each mini-preview window contains

- **Camera Type:** Different device icon indicates different device type.
- **Camera Channel:** It indicates the channel number of the camera.
- **Camera Name:** It indicates the camera name of the camera. User can easily know where the image is.
- **Camera Images:** You can see the camera images.

# eMap Tree

## Tree directory

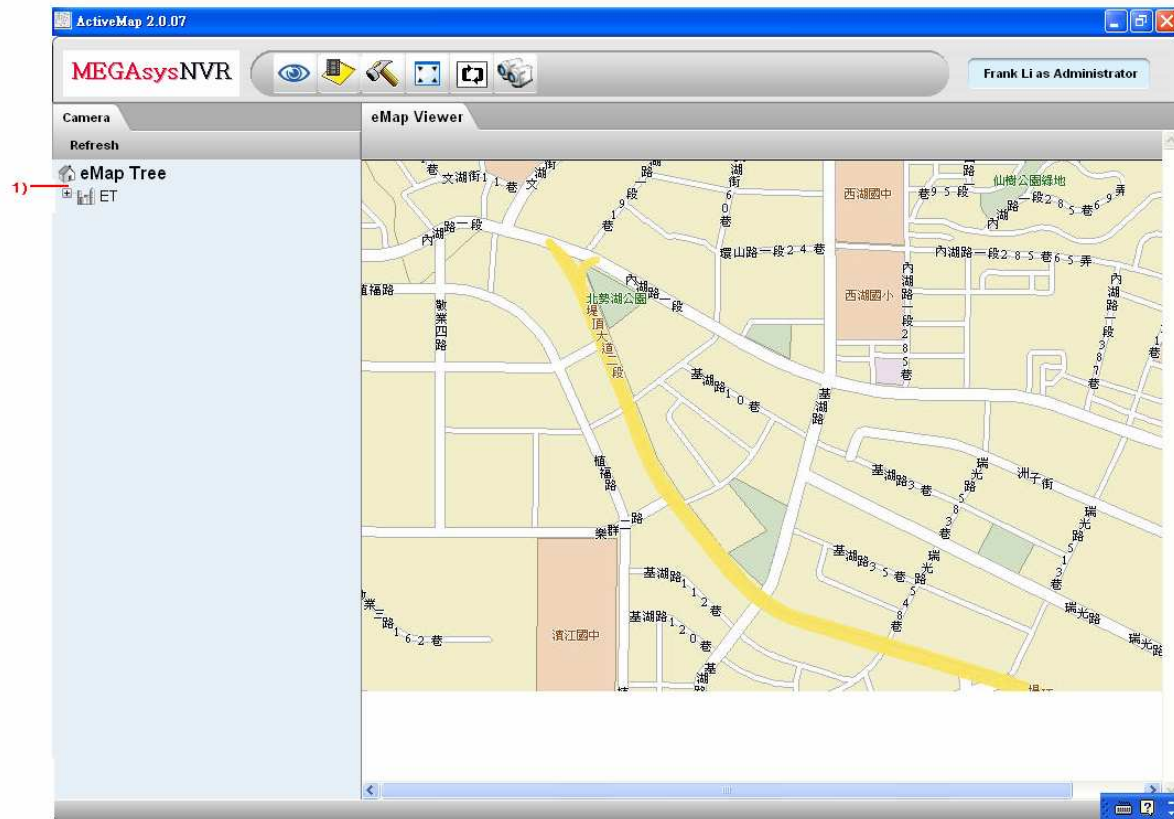


Figure 5-3 Select Map

### 1. eMAP Tree

This tree displays all the cameras. These cameras are categorized

- **Camera Type:** Different device icon indicates different device type.
- **Camera Channel:** It indicates the channel number of the camera.
- **Camera Name:** It indicates the camera name of the camera. User can easily know where the image is.
- **Camera Images:** You can see the camera images.



## Event List Panel

## Quick Preview Panel

### Mini-Preview

## **6. Remote Application (Pending)**

### **Introduction**

# Remote Camera Setup

## Tree Directory Display

## Camera Group

## Camera Information

## Remote Server Connection

## Camera Setup



# Remote Preview

## Layout Manager

## Record

## Search

## Remote Search

## Remote Playback

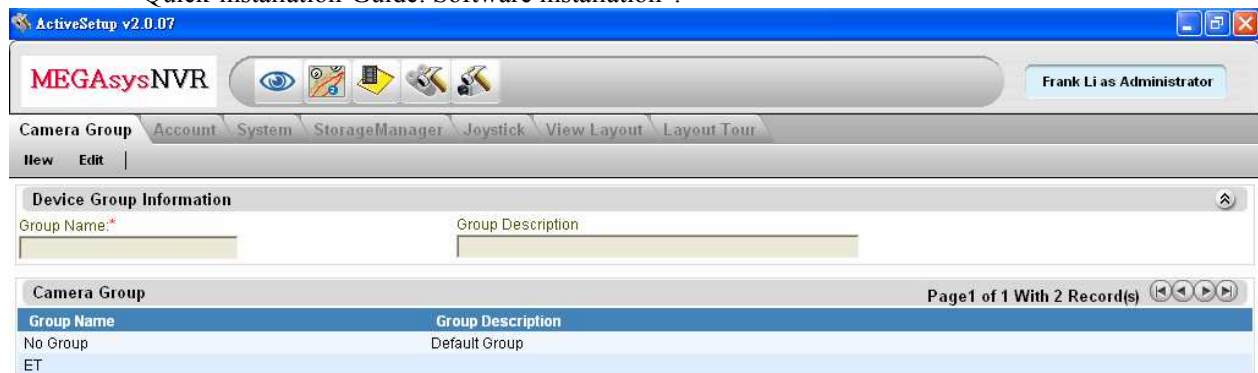
# 7. Setup Activator

## Introduction

**Decription:** This Chapter plays an important rule for other chapters and functions. These settings directly effects how other functions work or not. This Chapter aims to guide you through the all Streaming Activator setting.

This chapter contains settings for 1. Monitor function, 2. Archive Player, 3. eMAP function, 4. Remote Client.

**Relations with other chapter:** This settings operation relies on correct setup during “Quick-installation-Guide: Software installation”.



# Setup Operation

There are three setup groups in the ActiveSetup including [System Setup] , [Camera Setup] and [eMAP Setup]. The setup procedure should be [System Setup]=> [Camera Setup]=> [eMAP Setup].

1. [System Setup]: setup group includes Streaming Activator system configurations including below  
**Note:** Please setup System Setup first.
2. [Camera Setup]: setup group includes all the camera settings.
3. [eMAP Setup]: setup eMAP settings.

These three groups can be switched using the button at upper tool bar. Please see the picture below for a first glimpse and see sections below for details.

## Setup Overview

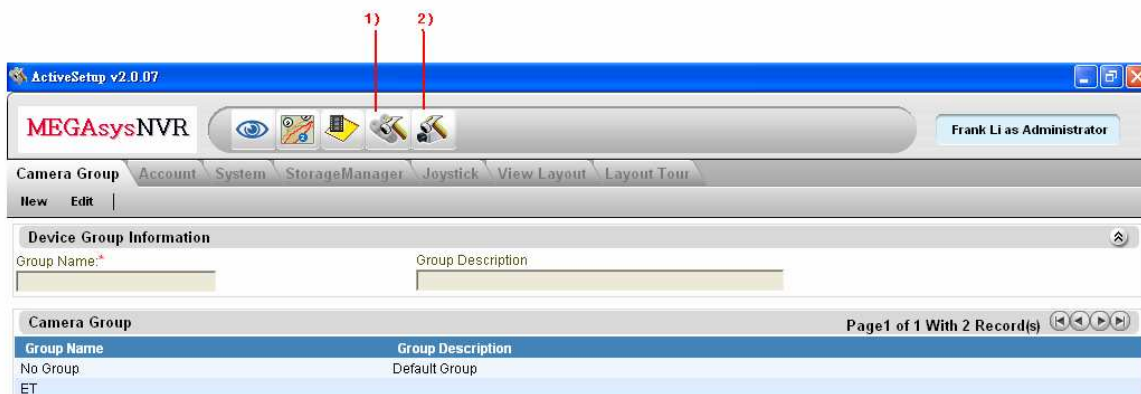


Figure 7-1

1. **ActiveSetup** Button: It indicates that you are using ActiveSetup program.
2. **System Setup** Button & indicator: You can click this button to switch to [System Setup] setup group.
3. **Camera Setup** Button & indicator: You can click this button to switch to [Camera Setup] setup group.
4. **eMAP Setup** Button & indicator: You can click this button to switch to [eMAP Setup] setup group.

# System Setup

[System Setup] is setup group lets you setup the Streaming Activator system settings including camera grouping, user grouping, account management, storage management, monitor layout, language setup, service setup, license management and system infos. Please refer to the sections below for details.

## Camera Group

This sections lets you setup camera groups. This section is important because Streaming Activator's management is based on camera groups. It will affect eMAP setup, user authority, camera setup.

The screenshot shows the 'Camera Group' setup window. At the top is a navigation bar with tabs: 'Camera Group', 'Account', 'System', 'StorageManager', 'Joystick', 'View Layout', and 'Layout Tour'. Below the navigation bar are buttons: 'New', 'Edit', and 'Apply'. The main area is titled 'Device Group Information' and contains two text input fields: 'Group Name:' and 'Group Description'. Below this is a table titled 'Camera Group' with two columns: 'Group Name' and 'Group Description'. The table has two rows: 'No Group' and 'ET'. To the right of the table is a pagination control showing 'Page 1 of 1 With 2 Record(s)' and navigation buttons. Red numbered annotations point to specific elements: 1) points to the 'Apply' button, 2) points to the 'Group Description' field, 3) points to the 'ET' row in the table, 4) points to the pagination control, 5) points to the 'New' button, 6) points to the 'Edit' button, and 7) points to the 'Group Name' field.

Group Name	Group Description
No Group	Default Group
ET	

Figure 7-2 Camera Group Setup

1. **Group Name:** Enter the camera group name for a new camera group or to modify existing camera group.
2. **Group Description:** Enter the description of this camera group.
3. **Group List:** You can see all the group created here.
4. **Panel Control** of Group List: You can use this control to switch between pages of camera group list.
5. **New** button: Click this to create a new camera group.
6. **Edit** button: Click this button to edit the existing camera group selected in the group list.
7. **Apply** button: Click this button to save current settings.



## User Group

To setup what operation or setup can a user do in Streaming Activator 2.0 you have to

- Step1. Create different user groups
- Step2. Assign user permissions to each user group
- Step3. Assign each user to a user group

This section lets you do step1 and step2. The Step3 is done at the later setion of “Account”.

Figure 7-3 Camera Group Setup

1. **Group Name:** Enter the user group name for a new camera group or to modify existing user group.
2. **Group Description:** Enter the description of this user group.
3. **Permission Seletion Panel:** In this panel, administrator can select the operations or setups available for each group.
4. **User Group List:** You can see all the group created here. You can also see their corresponding permissions.
5. **Panel Control** of User Group List: You can use this control to switch between pages of user group list.
6. **New** button: Click this to creat a new camera group
7. **Edit** button: Click this button to edit the existing camera group selected in the group list.
8. **Apply** button: Click this button to save current settings

## Account

To setup what operation or setup can a user do in Streaming Activator 2.0 you have to

- Step1. Create different user groups
- Step2. Assign user permissions to each user group
- Step3. Assign each user to a user group

This section lets you do step3. The step1 and step2 are done at the previous section of “User group”.

12) 13) 14) 1) 4) 7) 2) 5) 3) 6)

8) User List

User Account	User Name	User Role
Admin	Admin	Administrator

9) User Permission Control

Available Group	Selected Group
No Group	
ET	

10) 11)

Figure 7-4 Account Setup

1. **User Account:** Enter the user account name for a new user or to modify an existing user. This user account name will be used for this user to login the Streaming Activator system.
2. **User Name:** Enter the user name of this account. This name is a reference data for this account and will NOT be used for user to login Streaming Activator in the future.
3. **Password:** Enter the password for this user account to login Streaming Activator system.
4. **E-mail Address:** Enter the E-mail address for this user. It can be used for administrator to contact this user in the future.
5. **User Role:** Select user group where this user belongs to. The user group settings is done in previous section of [User Group].
6. **User Description:** Enter the description of this user.
7. **Default Language:** Select the language of the user-interface when this user login the Streaming Activator.
8. **User List:** You can see all the existing user here.
9. **User Permission Control** panel: In this panel, you can select which camera groups available to this user. The user can only see cameras available to them.
10. **Select/Deselect** button: Click to move/remove a camera group available to this user.
11. **Panel Control** for User list you can use this panel to switch between different pages of user list.
12. **New** button: Click this to create a new user account.
13. **Edit** button: Click this button to edit the existing user account selected in the user list
14. **Apply** button: Click this button to save current settings

## Storage Management

This section lets you setup how the recordings are stored. It includes

1. Which path to record
2. Which hard drive to record.
3. The cycling rule of the recording /snapshots

1) Storage Management

Record Path:   
(<\${DRIVE\_ID}>Recordings\Channel<\${CHANNEL\_ID}>)

2) Recording Delete Rule:  
☐ Keep  Days  
☒ Keep Space  
☐ Recycling

3) Snapshot Delete Rule: Keep  Days

4) Selected Disk Drive Capacity Information And Setting

Drive Name	Disk Usage	Free Space(MB)	Total Space(MB)	Limitation Space(GB)	Cleanup Space(GB)
C:	28%	203544	286173	10	5

5) AddDisk RemoveDisk

6) Available Disk Drive Capacity Information

Drive Name	Disk Usage	Free Space(MB)	Total Space(MB)	Limitation Space(GB)	Cleanup Space(GB)
E:	1%	1410879	1430506	20	5
F:	5%	448473	476835	20	5

8) Down Up

9) Cleanup Space(GB)

Figure 7-5 Storage Management

### 1. Recording Path:

Enter the main folder name of the recording in hard drive. Streaming Activator will automatically create the same folder name on each hard drive to be recorded on. Streaming Activator will create sub-folders for each channel to store the images.

### 2. Recording Delete Rule:

Select the rule according to which the recording will be cycled. There are 3 rules, see below for details.

- **Keep ? Days** : When it is selected, you have to also enter a number. Streaming Activator will save recordings for your desired days and delete recordings longer than this period.

Note: If there's not enough space left in the hard drive for recording, the Streaming Activator will automatically deletes the oldest recordings.

- **Keep Space** : When it is selected, Streaming Activator will reserve some space for recording storage/delete mechanism. If there no sufficient space left, system will starts to delete the oldest recordings.

- **Recycling** :

When it is selected, Streaming Activator will reserve some space for recording storage/delete mechanism. If there no sufficient space left, system will starts to delete the oldest recordings.

3. **Snapshot Delete Rule:**  
Select the number of days for which the snapshots will be remained. Snapshots with saved day longer than snapshot delete days will be deleted.
4. **Selected Disk List & Capacity:**  
You can see the recording hard drive list. Future recordings will be recorded onto hard drives on this list.
5. **Add Disk:**  
Click this button to add a hard drive to the recording hard drive list.
6. **Remove Disk:**  
Click this button to remove a hard drive from the recording hard drive list.
7. **Available Disk List & Capacity:**  
This list shows other drives available for recording.
8. **Priority down** button:  
Click this button to move selected disk priority lower. Hard drives with lower priority will be recorded last.
9. **Priority up** button:  
Click this button to move selected disk priority higher. Hard drives with higher priority will be recorded first.

## Joystick

This section lets you setup the joystick or analog control panel. If you don't use any joystick or control panel, you can directly skip this section. Streaming Activator's PTZ function can be controlled by either a joystick or an analog control panel at a time. Analog control panel and joystick doesn't work the same way.

**NOTE:** For analog control panel, Streaming Activator receives whatever serial command it receives and send to remote camera. For Joystick, the Streaming Activator receives joystick signal and operate an action according to user defined actions (P/T/Z, Trigger DI/DO... and etc.)

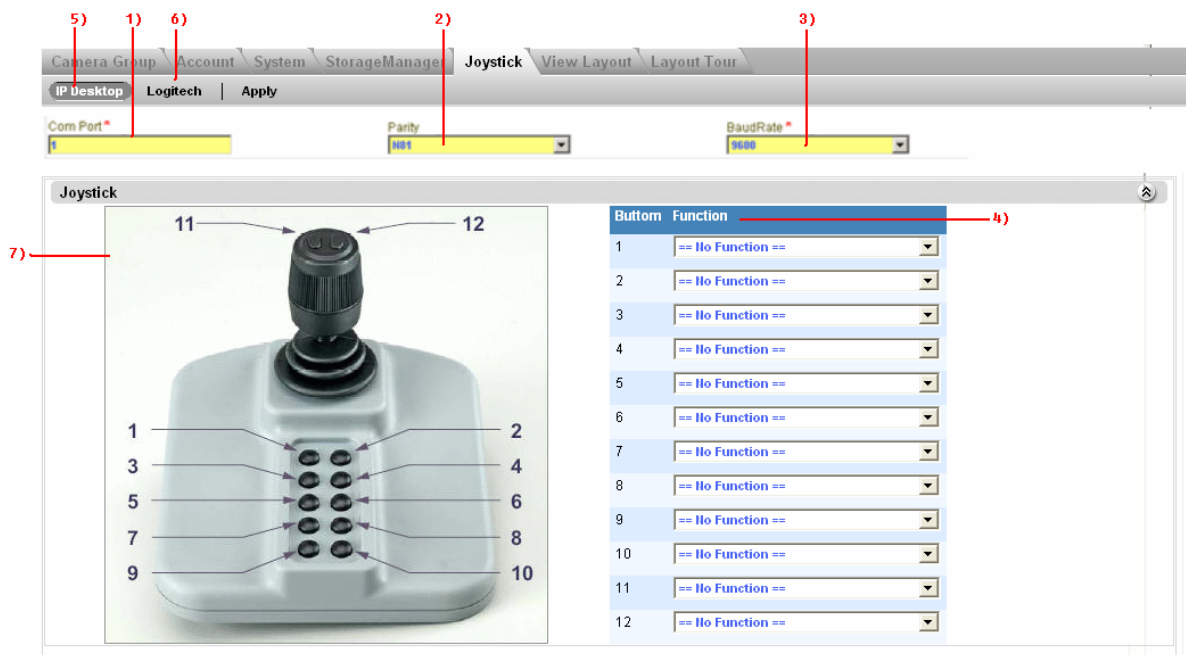


Figure 7-6 Joystick Setup

### Analog Control Panel setting

1. **Com Port** : Enter the com port number of which the control panel is connected to the PC of the Streaming Activator.
2. **Parity** : Enter the parity type of the control panel serial connection. This has to be exactly the same with the control panel for the PTZ command to work.
3. **BaudRate** : Enter the baud rate of the control panel serial connection. This has to be exactly the same with the control panel for the PTZ command to work.

### Joystick Setup

4. **Joystick Function Setting:** You can assign the function activated by different joystick buttons. User defined functions can make joystick a powerful and friendly tool to control PTZ functions.
5. **Select joystick of IP Desktop:** There are two joysticks (IP desktop/Logitech) supported by Streaming Acitvator. If your joystick is IP desktop, please select this.
6. **Select joystick of Logitech:** There are two joysticks (IP desktop/Logitech) supported by Streaming Acitvator. If your joystick is logitech, please select this.
7. **Joystick Picture:** When any joystick is selected, you can see the picture of the joystick there.

## View Layout

This section lets you setup some preset view layouts of ActiveMonitor. These preset layouts can be later selected by guards to fast switching different groups to monitor in ActiveMonitor. For example, you can have two preset groups of camera, one is Entrance (camera 1~16) and the other is Hall way (camera 17~32). Simply selecting the hall way/entrance view layout, guards can switch camera groups from 1~16 to 17~32.

You can also let system to switch between these two layout automatically. Please refer to nex section of [Layout tour] for details.

The screenshot shows the 'View Layout' configuration window. At the top is a navigation bar with tabs: Camera Group, Account, System, StorageManager, Joystick, View Layout (selected), and Layout Tour. Below the navigation bar are buttons: New, Edit, and Apply. The main area is titled 'Layout Configuration' and contains the following fields:

- View Layout ID: \*** (labeled 1): A text input field.
- Name: \*** (labeled 3): A text input field.
- Layout: \*** (labeled 4): A dropdown menu showing '4'.
- Description:** (labeled 5): A text input field.

Below these fields is a table with two columns. The first column has a dropdown menu (labeled 6) showing a list: '[1] - et1', '[2] - et2', and '[3] - cam 3'. The second column has two empty dropdown menus.

At the bottom is a 'View Layout List' section (labeled 7) showing a table with one record. The table has columns: View Layout ID, Name, Description, Layout, and Camera(s). The record shows ID '1', Name 'ET-GP1', and Camera(s) '1,,2'. To the right of the table is a page control bar (labeled 8) showing 'Page 1 of 1 With 1 Record(s)' and navigation icons.

Figure 7-7 View Layout

1. **View Layout ID:** Each view layout has a unique view layout ID stored in the system. The ID column is entered automatically by the system.
2. **Layout Name:** Enter the name for a new layout list or to modify an existing view layout list
3. **Layout:** Select the view layout channel number for this view layout.
4. **Description:** Enter the description of this view layout
5. **Layout Setting:** Select the cameras you wish to view in this view layout.
6. **View Layout List:** You can see all the existing view layout list here.
7. **Panel Control** of view layout list: You can use this control to switch between pages of view layout list
8. **New** button: Click this to create a new view layout
9. **Edit** button: Click this button to edit the existing view layout tour selected in the group list
10. **Apply** button: Click this button to save current settings.

## Layout Tour

In previous section of [view Layout], you can set view layouts for user to select. This section, you can let system to switch between different view layouts automatically. This can be an easy way for guard to monitor many cameras.

NOTE: the previous section [View Layouts] must be setup first before you can select them into layout tour in this section.

The screenshot shows the 'Layout Tour' interface with the following components and callouts:

- 8)** Navigation tabs: Camera Group, Account, System, StorageManager, Joystick, View Layout, and Layout Tour.
- 9)** Action buttons: New Tour, Edit Tour, and Apply.
- 1)** Tour Information section with fields for Tour ID, Name, and Description.
- 2)** Name input field.
- 3)** Description input field.
- 4)** Tour Layout Information section containing a table with columns: View Layout ID, Name, Description, Layout, and Dwell Time(second).
- 5)** View Layout Sequence Control buttons (up, down, left, right, and a refresh icon).
- 6)** Tour List section with a table containing columns: Tour ID, Tour Name, and Description.
- 7)** Page navigation controls for the Tour List table, showing 'Page 1 of 0 With 0 Record(s)'.
- 10)** A red line indicating the flow from the 'New Tour' button to the 'Tour Information' section.

Figure 7-8 Layout Tour

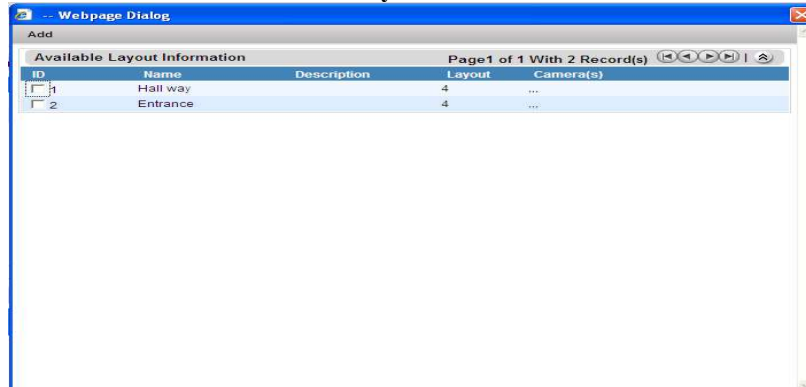
### Adding a new Tour

1. **Tour ID:** Each layout tour has a unique view layout ID stored in the system. The ID column is entered automatically by the system.
2. **Tour Name:** Enter the name of this layout tour.
3. **Description:** Enter the description of this layout tour.
4. **Tour Layout:** You can see all the existing view layouts selected in this layout tour. When you create a new layout tour, you need to edit it to add view layouts.
5. **View Layout Sequence Control:** You can use it to move the sequence of the view layouts.
6. **Tour list:** You can see all the existing tour list here.
7. **New button:** Click this to create a layout tour
8. **Edit button:** Click this button to edit the existing layout tour selected in the tour list. When you click the Edit button, the you will see the picture below.  
**NOTE:** You need to edit a new layout tour to add view layouts.
9. **Apply button:** Click this button to save current settings



### Editing an existing tour

10. **Add layout:** Click this button to add view layouts to this layout tour. When clicked, you will see a pop-out window. Please select the view layouts you wish to add. Then click apply.
11. **Delete layout:** Click this button to delete view layouts in this layout tour.



## Language

This sections lets you select your desired languaes. You can also translate or modify current tranlations.

## Service

This sections will be available in Streaming Activator 2.0 formal release.

Figure 7-9 Service

## License

This sections will be available in Streaming Activator 2.0 formal release.

Figure 7-10 License

## System

This sections lets you

1. Setup and see current system info
2. Setup E-mail / FTP accounts for system to send info to upon event.

The E-mail / FTP account will be used for event handling in the [Camera Setup] in the ActiveSetup.

Figure 7-11 System Setup

### System info

1. **Language:** Select the default language of the Streaming Activator user interface.
2. **Keep Event Log for days:** Streaming Activator will keep a log for every events. To prevent the Hard drive space from fully occupied by the event logs, please select a duration of days for Streaming Activator to keep log for.
3. **Keep Recording Log for days:** Streaming Activator will keep a log for every recordings. To prevent the Hard drive space from fully occupied by the recording log, please select a duration of days for Streaming Activator to keep log for.
4. **Email Setting** Section: This section includes the E-mail account for Streaming Activator to send nofitication to upon programmed event. The E-mail account setting includes
  - SMTP Server: Enter the SMTP server for Streaming Activator to send E-amil.
  - Sender E-mail Address: Enter the E-mail address for Streaming Activator to send E-mail from.
  - Sender Name: Enter the name of the Streaming Activator to send E-mail from.
  - SMTP authentication: Click this if the SMTP server requires authentication.
  - SMTP user name: Enter the SMTP user name of the Streaming Activator E-mail account.
  - SMTP password: Enter the SMTP user name of the Streaming Activator E-mail password.
5. **FTP Setting** Section: Section: This section includes the FTP account for Streaming Activator to send nofitication to upon programmed event. The FTP account setting includes
  - FTP Server: Enter the FTP server for Streaming Activator to send E-amil.
  - Port: Enter the port number for Streaming Activator to upload file to FTP.
  - Upload folder: Enter the name folder path on the FTP server for Streaming Acitvator to upload file onto.
  - User name: Enter the FTP user name of the Streaming Activator FTP account.
  - Password: Enter the FTP user name of the Streaming Activator FTP password.
6. **License** Information: This section you can see the license information of this software
  - Product: You can see the product name of this software.
  - Serial number: You can see the serial number of this software.
  - Shipping date: You can see the shipping date of this software
  - Channel number: You can see the channel capacity registered in this software.
7. **Available Disk List and Information:** You can see all hard drives on this Streaming Activator PC and also information of these hard drives.

# Camera Setup

[Camera Setup] is setup group lets you setup settings individual to each camera. It includes of Streaming Activator including recording, alarm, PTZ, event handling and preview. It's highly recommend to setup [System Setup] before you setup [Camera Setup]. Many [Camera Setup] can't be finished without completing [System Setup].

## Camera

This section has 3 sub-sections which lets you

1. Add camera
2. Setup the video / time setting
3. Delete camera

All the settings are subject to each camera. You have to select a camera and start this settings.

### Add camera

There are 3 ways to add a camera

1. **Manually input**
2. **Import from search result**
3. **Import from another Streaming Activator**

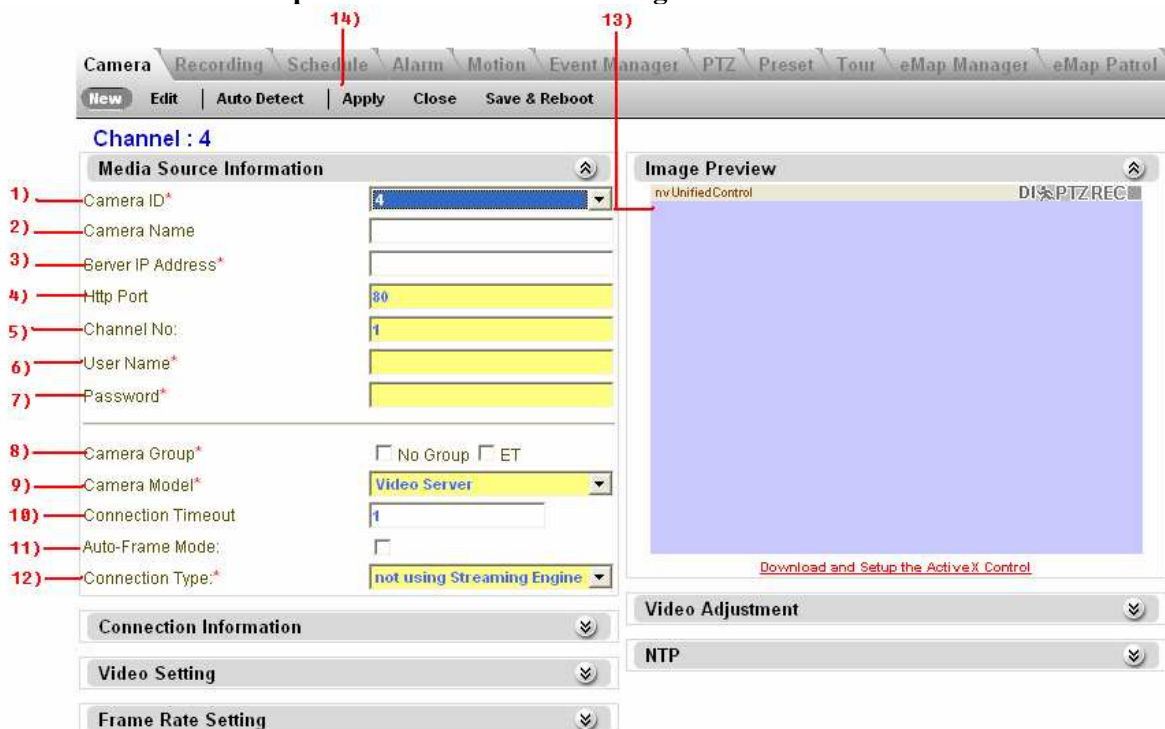


Figure 7-12 Camera Setup

#### Manually input

1. **Camera ID:** Select a new camera ID to start to add a camera; or Select an existing camera ID to edit an existing camera.
2. **Camera Name:** Enter the name of the camera.

3. **Server IP Address:** Enter the IP address of the IP camera / video server.
4. **HTTP Port:** Enter the HTTP port of the IP camera / video server.
5. **Channel Number** (for Multi-channel video server only): Enter the channel number of the video server. If you are using IP camera or 1-channel video server, please enter 0 here.
6. **User Name:** Enter the user name for you to login the camera.
7. **Password:** Enter the password for you to login the camera.
8. **Select Camera Group:** Please add this camera to desired camera groups. You can add one camera to multi-camera groups at a time.
9. **Camera Model :** Select the device type of this IP camera / video server. **NOTE:** You must have the right setting here for many function to work. For example: The PTZ function will not work if you connect to an IP speed dome but select the camera model to be IP camera. This is the same for Quad and devices with audio.
10. **Connection Timeout:** Enter the timeout duration (in seconds) for Streaming Activator to connect to this IP camera / video server. Streaming Activator will consider the device to be lost if the device doesn't respond within this duration. We suggest you to set different values for different connection between the Streaming Activator to the IP camera
  - LAN : 1 second
  - WAN : 1 second
11. **Auto Frame Mode:** Click this to enable auto frame mode. When in auto-frame mode, Streaming Activator will decrease the FPS displayed when there's more than 4CH previewing. This can be useful to decrease the CPU consumption.
12. **Connection Type:** This is the connection type between Streaming Activator and the IP camera / video server. Please refer to below info to select
  - Connection via Streaming Engine: Please select this only if you connect to this IP camera via other Streaming Activator.
  - Connection not via Streaming Engine (Default): Select this if you connect to this IP camera. Click this to enable auto frame mode. When in auto-frame mode, Streaming Activator will decrease the FPS displayed when there's more than 4CH previewing. This can be useful to decrease the CPU consumption.
13. **Live view Button:** When finished setting, click the Live view button to see if the video preview is ok. If it is ok, the connection setting is ok. If not, please check again.
14. **Apply button:** Click the apply button to save the camera settings.

### Import from search result

Figure 7-13 Search Camera

15. **Search List :** You can see the list of all the IP camera / video server found.
16. **Select Camera:** Click the row of the camera you wish to add into this system.
17. **Select IP Address:** Click to select the IP and for the Streaming Activator to connect to this device.
18. **Select an unused Camera ID :** Click to select an unused camera ID for this camera to be imported to Streaming Activator.
19. **Apply button:** After selecting all desired cameras to import, click this button to add.

- Password: The password to login the other Streaming Activator
- 20. **Login** button: Click the login button to start to connect to the other Streaming Activator. When connection is done, you will see infos shown below in camera list and group list.
- 21. **Camera list** : This displays the camera list from the Streaming Activator to import from. You can select any camera you wish to import.
- 22. **Group list** : This displays the group list from the Streaming Activator to import from. You can select any group you wish to import.
- 23. **Import** button: Click this button to import all selected camera and group from the Streaming Activator.



## Setup the video / time settings

This section tells you how to setup the video / time settings of each camera. You need to be able to preview the video first before you setup this section.



### Channel : 4

24. **Auto detect** button: Click this button for Streaming Activator to detect current IP camera / video server's video and Time settings. These information will be shown on the panel below.

### Connection information

25. **Multicast IP Address**: You can see the current multicast IP of the IP camera here. To modify it, simply enter the new one and click the Apply button.
26. **Register Port**: You can see the current register port of the IP camera here. To modify it, simply enter the new one and click the Apply button.
27. **Control Port**: You can see the current control port of the IP camera here. To modify it, simply enter the new one and click the Apply button.
28. **Streaming Port**: You can see the current Streaming port of the IP camera here. To modify it, simply enter the new one and click the Apply button.
29. **Multicast Port**: You can see the current multicast port of the IP camera here. To modify it, simply enter the new one and click the Apply button.

### Video Setting

30. **Analog Video**: You can see the analog video type of the IP camera here. To modify it, simply select the right one and click the Apply button.
31. **Frame Mode**: You can see the Frame mode of the IP camera here. To modify it, simply enter the new one and click the Apply button.
32. **FPS**: You can see the FPS (Frames Per Second) of the IP camera here. To modify it, simply enter the new one and click the Apply button.
33. **Resolution**: You can see the Resolution of the IP camera here. To modify it, simply enter desired resolution and click the Apply button.
34. **BitRate**: You can see the BitRate of the IP camera. To modify it, simply enter the new one and click the Apply button.

### Frame rate setting

35. **Frame Mode(Read Only)** : You can see the Frame mode here.
36. **Live View Frame Rate**: Select your desired frame rate for live preview.
37. **Remote Live View Frame Rate**: Select your desired frame rate for remote live preview.
38. **Record Frame Rate**: Select your desired frame rate for recording.
39. **Schedule Record Frame Rate**: Select your desired frame rate for schedule recording..
40. **Event Record Frame Rate**: Select your desired frame rate for event recording.

## Video Adjustment

- 41. **Video Hue Setting:** You can see the current hue setting or adjust it by selecting the parameter.
- 42. **Video Brightness Setting:** You can see the current hue setting or adjust it by selecting the parameter.
- 43. **Video Saturation Setting:** You can see the current hue setting or adjust it by selecting the parameter.
- 44. **Video Contrast Setting:** You can see the current hue setting or adjust it by selecting the parameter.

## NTP settings

- 45. **Do not Sync.:** When selected, the IP camera / video server will use its internal clock instead of synchronizing time with a NTP server.
- 46. **SNTP/NTP Server:** When selected, the IP camera / video server will sync its time with a NTP server according to your setting.
  - SNTP / NTP server IP address: Enter the NTP server IP address for the camera to sync to
  - Sync. Time interval: Enter the time interval for IP camera / video server to sync its time with a NTP server.
- 47. **Manually setup Time :**When selected, IP camera / video server will use its internal clock and will not sync with any SNTP/NTP server.
- 48. **Date:** Select the current date.
- 49. **Time:** Select current time.
- 50. **Time Zone:** Select the time zone.

## Save and copy settings

- 51. **Apply button:** Click this button to save current settings.
- 52. **Copy Setting button:** This function saves you a lot of time. You can setup one IP camera / video server and duplicate its own settings to other cameras.

## Delete Camera

This section tells you how to delete a camera. There are several options to delete a cameras, please see below for more inforamiton. You have to select a camera first and click the Edit button. The camera delete window will pop out.

Figure 7-14 Delete Camera

1. **Delete** options : Click to select the delete options of this camera. Below are a table telling the difference of each option.

Option	Settings			
	Camera Setting	All configuration setting	Log records	All files
Delete only camera setting	Deleted	Remain	Remain	Remain
Delete all configuration setting	Deleted	Deleted	Remain	Remain
Delete all log records	Deleted	Deleted	Deleted	Remain
Delete all files	Deleted	Deleted	Deleted	Deleted

2. **Delete** button: Click this button to start to delete.
3. **Cancel** button Click this button to cancel the delete option.

## Recording

This section tells you how to setup the recording to each camera.

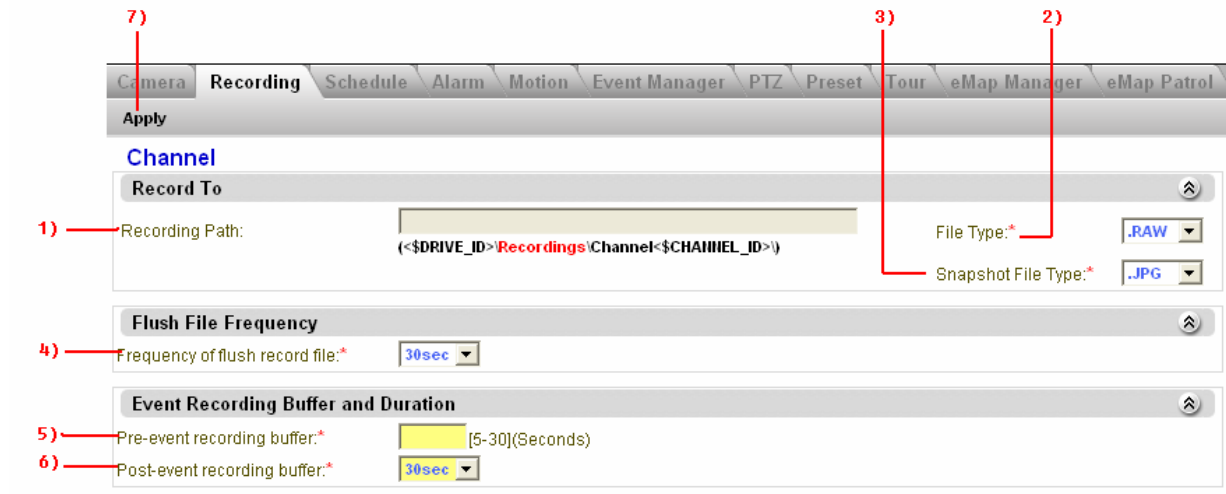


Figure 7-15 Recording Setup

1. **Recording Setup:** This is the recording path of this camera. This is read only and can be only changed in [System Setup]
2. **Recording File Type:** Please select the file type into which the recording is saved. Current available type is .RAW format.
3. **Snapshot File Type:** Please select the file type into which the snapshots are saved. Current available types are .JPG and .BMP.
4. **Frequency of flush record file:** Please select the time duration for each recording file.
5. **Pre-event recording buffer:** Please select the pre-event recording buffer for this camera.
6. **Post-event recording buffer:** Please select the post-event recording buffer for this camera.
7. **Apply button:** Click this button to save the settings.

### File Type

<i>Value</i>	<i>Type</i>	<i>Description</i>
<b>.RAW</b>	.raw	MEGAsysraw format recording file.
<b>.AVI</b>	.avi	DivX encoded avi file.

### Snapshot File Type

<i>Value</i>	<i>Type</i>	<i>Description</i>
<b>.JPG</b>	.jpg	JPG format image file.
<b>.BMP</b>	.bmp	BMP format image file.

## Schedule

This section tells you how to setup the recording schedule of the IP camera. The recording schedule is setup by

1. **Weekly Schedule:** The recording of the camera will repeat the schedule every week.
2. **Special day:** Upon special days, you can apply a different schedule. This schedule will overwrite your previous weekly basis setup.

Also, there are 4 types of schedule available for choose. Please see below for details.

### View By Channel

This section tells you how to setup the weekly basis recording schedule. You have to select your desired recording type per 24 hours in weekly basis.

Camera \ Recording \ **Schedule** \ Alarm \ Motion \ Event Manager \ PTZ \ Preset \ Tour \ eMap Manager \ eMap Patrol

View By Channel Special Day Copy Channel Setting Delete Apply

Channel 3: cam 3

1) **Schedule**

☒ Continuous ☐ Schedule ☐ Event with Streaming ☐ Delete

2)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								

Figure 7-16 Setup by channel

1. **Schedule Type:** You can select the schedule type you wish to apply in the weekly schedule table below. There are 4 schedule types including
  - Continuous: The camera will be recorded continuously whole day.
  - Schedule: The camera will be recorded continuously on the time you choose.
  - Event with Streaming: The camera will recorded if there's any event.
  - Delete: The camera will not be recorded and there will be no streaming from the IP camera.
2. **Weekly schedule:** After select your schedule type, you can apply it to the weekly table here.
3. **Apply button:** Click this button the save the settings.

### Schedule Type

<i>Value</i>	<i>Type</i>	<i>Description</i>
--------------	-------------	--------------------

---

<i>Continuous</i>	<b>Continuous</b>	Continuous recording for all day
<i>Schedule</i>	<b>Schedule</b>	Only record selected day
<i>Event with Streaming</i>	<b>Streaming</b>	Record stream when event trigger
<i>Delete</i>	<b>Delete</b>	Delete selected schedule setting

## Special Day

Upon special days, you can apply a different schedule other than the weekly schedule. This can be very useful to manage the recording on such days.

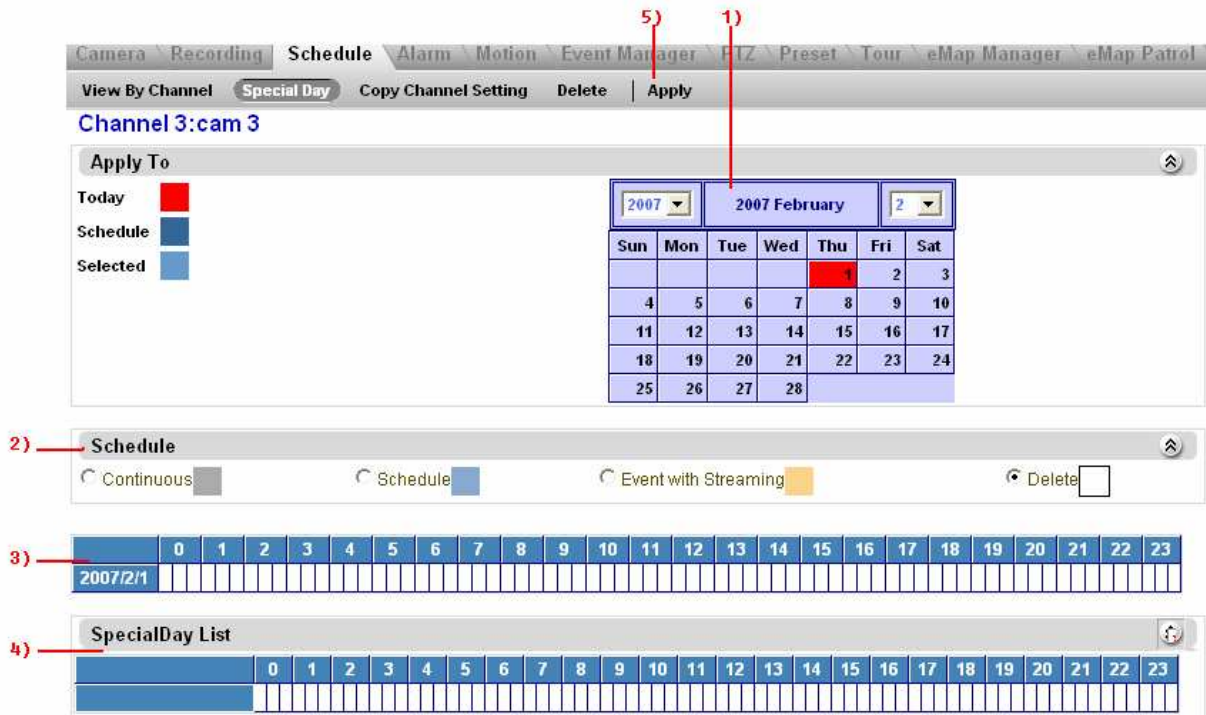


Figure 7-17 Setup By Special Day

1. **Schedule Calendar:** You can use it to select your special day to setup the Special day schedule.
2. **Schedule Type:** You can select the schedule type you wish to apply in the weekly schedule table below. There are 4 schedule types including.
  - Continuous: The camera will be recorded continuously whole day.
  - Schedule: The camera will be recorded continuously on the time you choose.
  - Event with Streaming: The camera will recorded if there's any event.
  - Delete: The camera will not be recorded and there will be no streaming from the IP camera.
3. **Special Day schedule:** You can select the recording schedule of this camera on this special day.
4. **Special Days List:** You can see all existing special day schedules here.
5. **Apply button:** Click this button to save the settings.

## Alarm

This section lets you setup the alarm description of the camera alarm 1 and alarm 2. It will be very easy for guard to recognize the alarm type in the future.

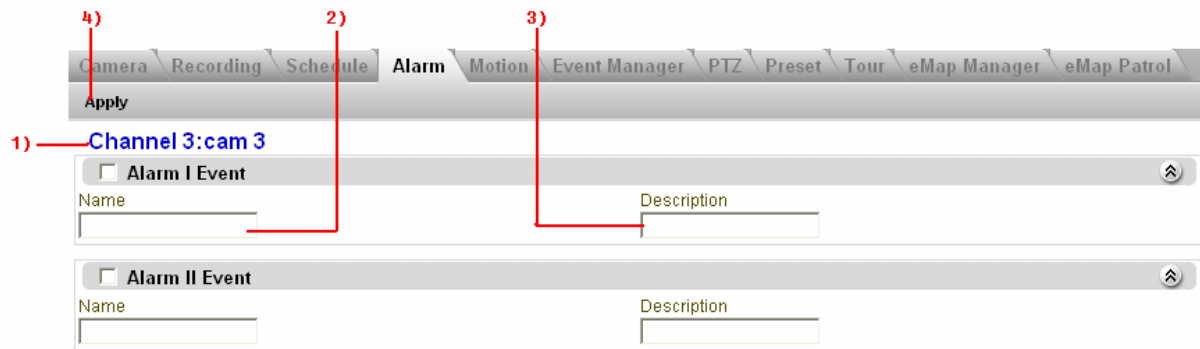


Figure 7-18 Alarm

1. **Alarm Enable/Disable:** Click this button to enable/disable the alarm 1 event of this camera. All the actions (recording, taking snapshots) will be triggered by alarm 1 when alarm 1 is enabled.
2. **Name:** Enter the name of this alarm. It will be easy for guard to recognize in the future:
3. **Description:** Enter the description of this alarm.
4. **Edit button:** Click this button to save the settings.



## Motion

This section lets you setup the motion detection of this camera. Before you setup the motion detection, you need to connect to the IP camera / video server to get server settings.

**NOTE:** Please make sure current machine IP address is on the same network segment as the IP camera or video server.

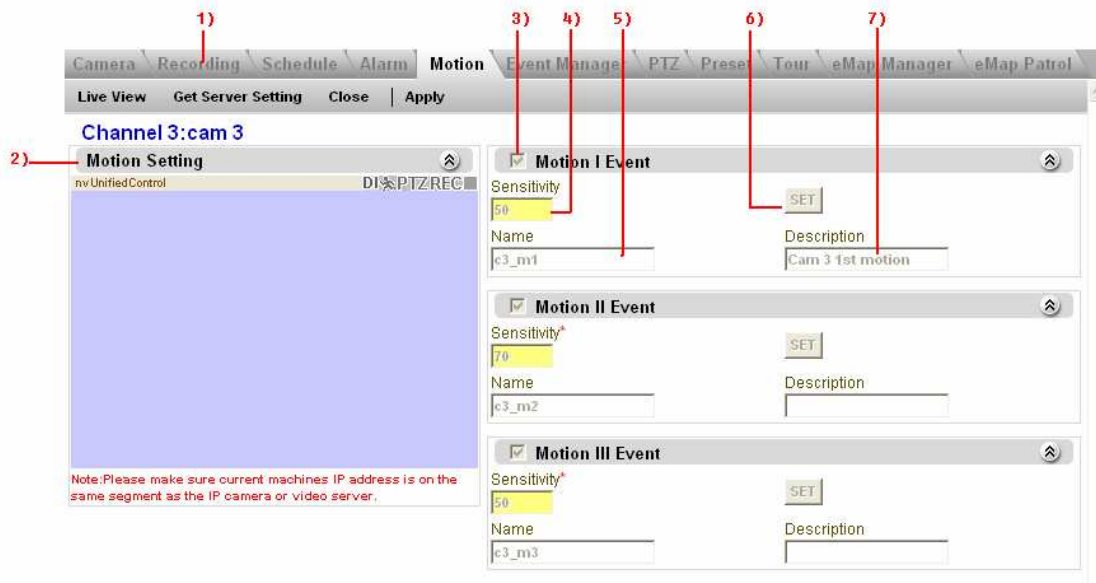


Figure 7-19 Motion

1. **Get Server setting:** Click this button to connect to the IP camera / video server to preview images and get current motion detection settings.
2. **Live preview window:** You can see the live preview here for you to setup the motion detection area.
3. **Enable / Disable Motion Detect:** Click this button to enable / disable this motion detection area.
4. **Sensitivity:** Enter the sensitivity level of this motion detection area.  
**NOTE:** the sensitivity range is from 0~100.
5. **Set Sensitivity:** Click this button after you enter the sensitivity level of this motion detection area, and the sensitivity will be saved to your IP camera / video server.
6. **Name:** Enter the name of this motion detection area.
7. **Description:** Enter the description of this motion detection area.
8. **Apply button:** Click this button to save the settings
9. **Close button:** Click this button to stop previewing current camera in live preview window.



**NOTE:** Range of sensitivity is 0~100.

## PTZ

This section lets you setup the PTZ (Pan/Tilt/Zoom) actions of this IP camera/video server. This PTZ

**NOTE:** Please make sure current machine IP address is on the same network segment as the IP camera or video server.

The screenshot shows the PTZ Setup interface. At the top is a navigation bar with tabs: Camera, Recording, Schedule, Alarm, Motion, Event Manager, PTZ (selected), Preset, Tour, eMap Manager, and eMap Patrol. Below the navigation bar is an 'Apply' button. The main section is titled 'Channel :3'. It contains several fields and a table. Red callout numbers 1 through 9 point to specific elements: 1) 'Enable PTZ' checkbox, 2) 'Vendor' dropdown, 3) 'Protocol' dropdown, 4) 'PTZ File' text input, 5) 'Address ID' text input, 6) 'Parity' dropdown, 7) 'BaudRate' dropdown, 8) 'User Command' table, and 9) 'Apply' button.

**Channel :3**

1) ☐ Enable PTZ

2) Vendor: \*  
[Dropdown]

3) Protocol: \*  
[Dropdown]

4) PTZ File: [Text Input]

5) Address ID: \*  
[Text Input]

6) Parity: \*  
[Dropdown]

7) BaudRate: \*  
[Dropdown]

8) User Command

#	Command Name	Command	#	Command Name	Command
Ex.	Wash	FF01000418001D		Wipe	A00000000A080800FFAF00
1	[Text Input]	[Text Input]	6	[Text Input]	[Text Input]
2	[Text Input]	[Text Input]	7	[Text Input]	[Text Input]
3	[Text Input]	[Text Input]	8	[Text Input]	[Text Input]
4	[Text Input]	[Text Input]	9	[Text Input]	[Text Input]
5	[Text Input]	[Text Input]	10	[Text Input]	[Text Input]

Figure 7-20 PTZ Setup

1. **Enable/Disable PTZ:** Click this to enable or disable the PTZ function of this IP camera / video server.
2. **Vendor:** Select the vendor of the speed dome you wish to control.
3. **Protocol:** Select the protocol of the speed dome.
4. **PTZ File:** If your speed dome's protocol is not integrated by Streaming Activator, you can import a new protocol file. For details about the protocol file format, please contact our technical support.
5. **Address ID:** Enter the address ID of the speed dome.
6. **Parity:** Enter the parity of the speed dome.
7. **BaudRate:** Enter the baud rate of the speed dome.
8. **User Command List:** If your speed dome or PTZ device has a special function not supported in the standard protocol. Ex: Activate the wiper to clean the window of the PTZ. You can manually input the command to activate the wiper for later selectable in PTZ controls.
9. **Apply** button: Click this button to save the settings

## PTZ Preset

This section lets you setup the preset points, auto scan and the OSD settings of the camera. Some functions might not work if the protocol or your speed dome doesn't support this function.

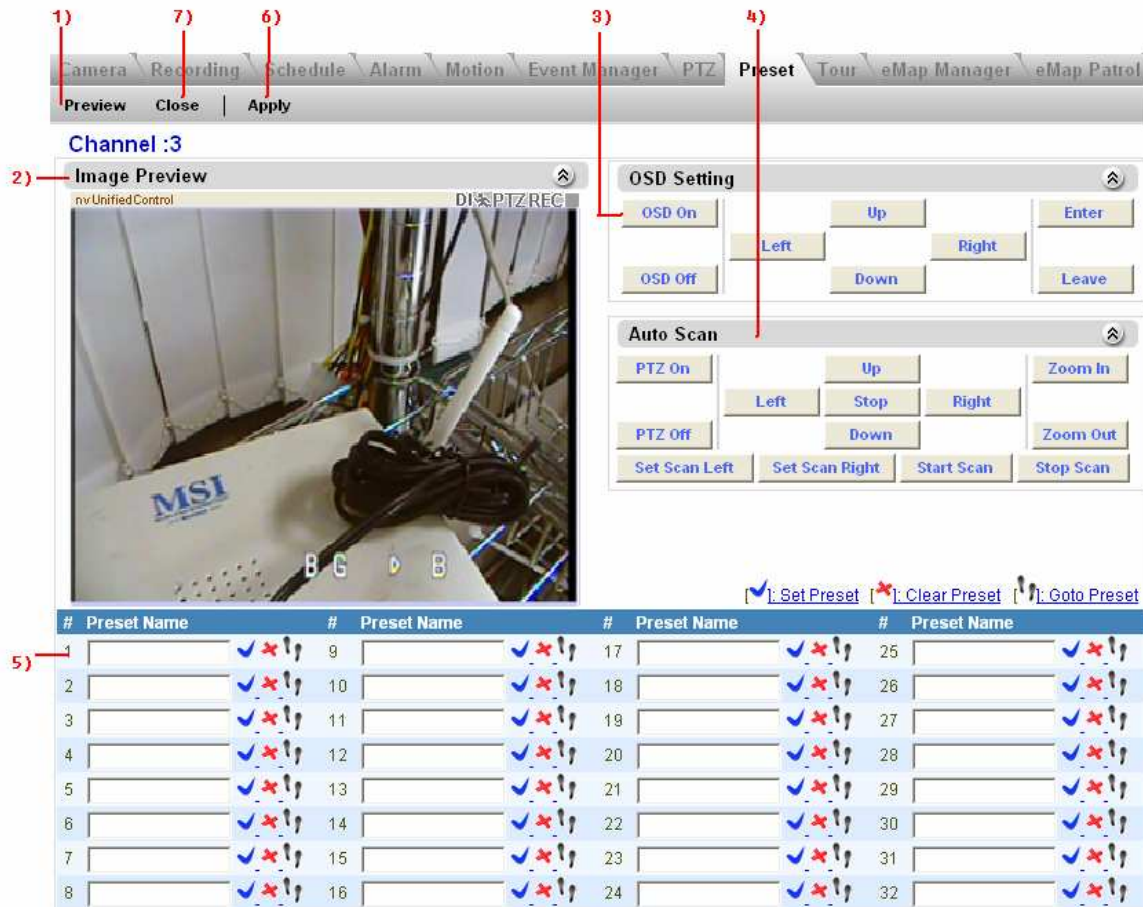


Figure 7-21 PTZ Preset

1. **Preview Button:** Click this button to start to preview the camera.
2. **Preview Screen:** You can see the camera preview here.
3. **OSD Setting Control Panel :** In this panel, you can open the camera OSD and setup OSD settings.
4. **Auto Scan Control Panel :** In this panel, you can setup the auto scans of this speed dome.
5. **Preset Control Panel :** In this panel you can setup preset points, enter preset names, go to preset points and delete preset points.
6. **Apply button:** Click this button to save the settings
7. **Close button:** Click this button to stop previewing current camera in live preview window

## Preset Tour

In previous section of [PTZ Preset], you can set preset points. This section, you can let system to tell speed dome to go to selected preset points in programmable order and dwell at each preset points for programmable time.

NOTE: the previous section [PTZ Presets] must be setup first before you can select them into preset tour in this section.

1) Tour ID: \*

2) Apply

3) Description: \*

4) Tour Preset Information

5) Dwell Time(second)

6) Tour Preset Information controls

7) Tour List

Tour ID	Tour Name	Description
1	ET1	testing

Figure 7-22 Preset Tour

1. **Tour ID:** Each preset tour has an unique preset tour ID stored in the system. The ID column is entered automatically by the system
2. **Name:** Enter the name of this preset tour
3. **Description:** Enter the description of this preset tour
4. **Preset List:** You can see all current preset list here.
5. **Preset Dwell Time Setting:** Setup the dwell time of each preset points
6. **Preset Sequence Control Panel:** You can use it to move the sequence of the view layouts
7. **Tour List:** You can see all the existing tours here.
8. **Control Panel of Tour list:** You can use this panel to switch between pages of tour list.
9. **Apply button:** Click this button to save the settings

## Event Manager

Event manger is for Streaming Activator to take actions when there's an event. Example: Streaming Activator can start to record images when the motion detection of the camera is triggered. To setup event manager, you need to

1. First: Define the event that triggers event action
2. Second: Setup the event actions taken when there is an event.

### Event type

This section lets you select which event will trigger event actions. Also you can select what event action to take when there's an event.

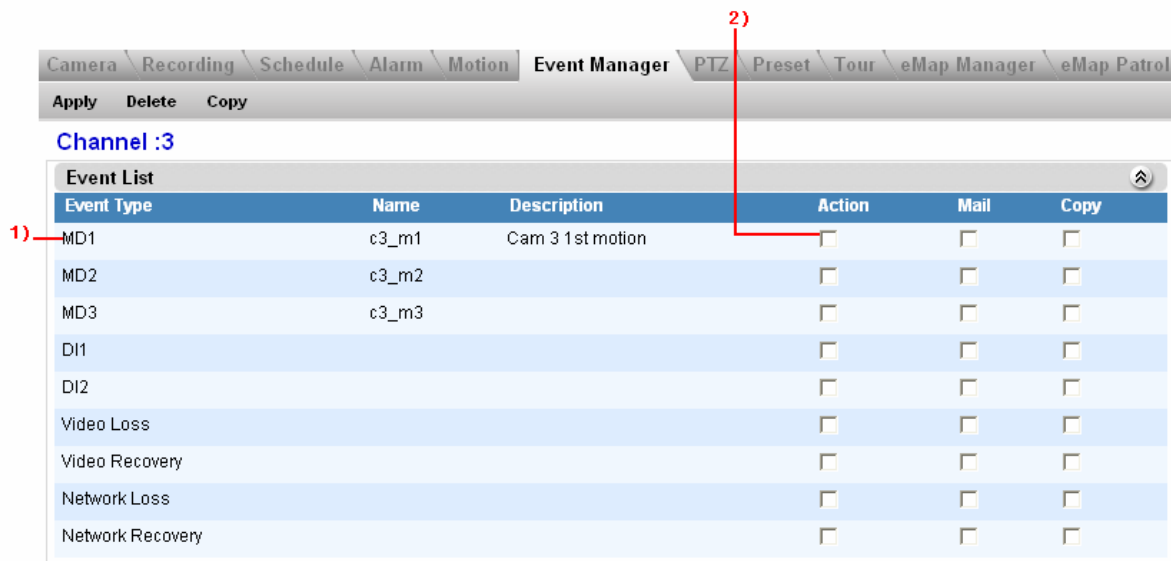


Figure 7-23 Action Setup

1. **Event type:** You can see the list of event type here.
2. **Enable Action:** Click to select which action to take upon such

## Event Actions

This section lets you select which action to take upon event.

2) ☒ **Action**  
Record (Please use Scheduler to setup Event Recording)

3) ☐ **Snapshot**

4) ☐ **Trigger DO1** for  seconds

5) ☐ **Trigger DO2** for  seconds

6) ☐ **Beep for**  seconds  times

7) ☐ **Play Audiofile for**  times

8)

9) ☐ **Dont Beep**

10) ☐ **Hot-Spot Window** **Dwell Time**  sec

11) ☐ **Pop-up Window** **Dwell Time**  sec

12) ☐ **None**

13) ☐ **PTZ Command**

14) **PTZ Setting**  
**Channel:**   
**Preset:**

16) ☒ **Execute Command**

17)

Figure 7-24 Action Setup

3. **Snapshot:** Click to enable / disable Snapshot when this event occur
4. **Trigger DO1:** Click to enable / disable DO1 when this event occur and enter the period of the DO1 to be traiggered..
5. **Trigger DO2:** Click to enable / disable DO1 when this event occur and enter the period of the DO2 to be traiggered..
6. **Beep:** Click to enable / disable Streaming Activator to Beep upon event. You can also select how many times does it beep and the duration of each beep.
7. **Play Audio File:** Click to enable / disable Streaming Activator to play your desired audio file for programmable times.
8. **Audio File Path:** Enter the path of the audio file to be played.
9. **Do not beep:** Click to disable beep function of Streaming Activator.
10. **Active Hot-Spot Window:** Click to enable / disable the video of the camera to be displayed on Hot-Spot window upon event. Also, you can select the duration for video to be displayed on the Hot-spot window.
11. **Active Pop-Up Window:** Click to enable / disable the video of the camera to be displayed on a Pop-out window upon event. Also, you can select the duration for video to be displayed on the Hot-spot window.
12. **None:** Click to disable active Pop-up window and Hot-Spot window.
13. **Enable PTZ Command:** Upon event, streaming Activator can move specific camera to specific presets. Click this to enable this function.

14. **Camera Channel and Preset number:** Select which camera and which camera presets to go to.

**NOTE:** Options in channel and preset are set in PTZ setting.

15. **Upload Snapshot File to FTP Site:** Click to enable Streaming Activator to upload FTP to a FTP site upon this event.

16. **Enable Command :** Click to enable Streaming Activator to execute a certain command upon this event. This is a very power function. You can use it to integrate Streaming Activator's event handling with other programs.

17. **Command File Path:** Enter the path of the command to be executed upon event.



**IMPORTANT:** Options in channel and preset are set in PTZ setting.

## Mail Notification Setup

This section lets you setup the E-mail notification.

☒ **Notification via E-Mail**

Mail To ☐ Admin 2)

Subject null 2)

Message null 3)

☐ Attach Snapshot 4)

Figure 7-25 Mail Notification Setup

1. E-mail receiver: Click to select which user for Streaming Activator to send E-mail notification upon this event. All these E-mail accounts are from the user of the Streaming Activator.
2. Mail Subject: Click to select the Mail subject upon event.
3. Mail Message: Click to select the message of the E-mail upon event.
4. Attach Snapshot File : Click to select whether to send Snapshot in the E-mail upon event.



**IMPORTANT:** Attach Snapshot oprion can be enabled when Action and Snapshot are selected



# Map Setup

This chapter lets you setup the E-maps to be displayed in the ActiveMAP program. Active MAP is a very user friendly interface for guards to easily control surveillanced areas.

## Map Manager

This section tells you how to setup a e-MAP. E-map's setting is based on camera groups. Only cameras within the same camera group can be displayed on the same E-map.  
Before you start to edit the E-map, be sure to select a camera group first.

Figure 7-26 Map Manager

1. **MAP information Panel:** In this panel you can find  
MAP name: This is based on the name of the camera group.  
MAP description: This is based on the description of the camera group.  
MAP image file: Click the column to select the MAP image you wish to use for this E-map.
2. **Camera Inforamtion Panel:** You can find  
Camera ID: The ID of the camera you selected  
Camera Name: The name of the camera you selected  
Camera Shooting direction: Click to select the camera shooting direction shown on the E-MAP.
3. **Camera Preview Window:** Drag the camera preview window to any place in the E-map.
4. **Apply button:** Click the Apply button to save the settings.



**IMPORTANT:** You can drag and drop to change direction icon, just drag the area near camera icon.

## Map Tour

This chapter lets you setup the E-map tour. A E-map tours enable the streaming activator to automatically switch between selected E-maps and stay for a programmable time. This can be very powerful for Guards to monitor many E-maps.

Figure 7-27 Map Tour

1. **E-map List in the MAP tour:** You can see current e-map list to be switched between in a MAP tour.
2. **Dwell Time:** Click to enter the dwell time of each E-map during MAP tour.



**NOTE:** Dwell Time must more than 10 seconds.

3. **Panel control of the E-map sequence:** Use this panel to control the sequence of the MAP tour.
4. **Apply button:** Click the apply button to save the settings.

# **8. Trouble Shooting**

## **Installation**

## Monitor Console

# Archive Player

## eMap Viewer

## Remote Application



## System Setup

## Camera Setup