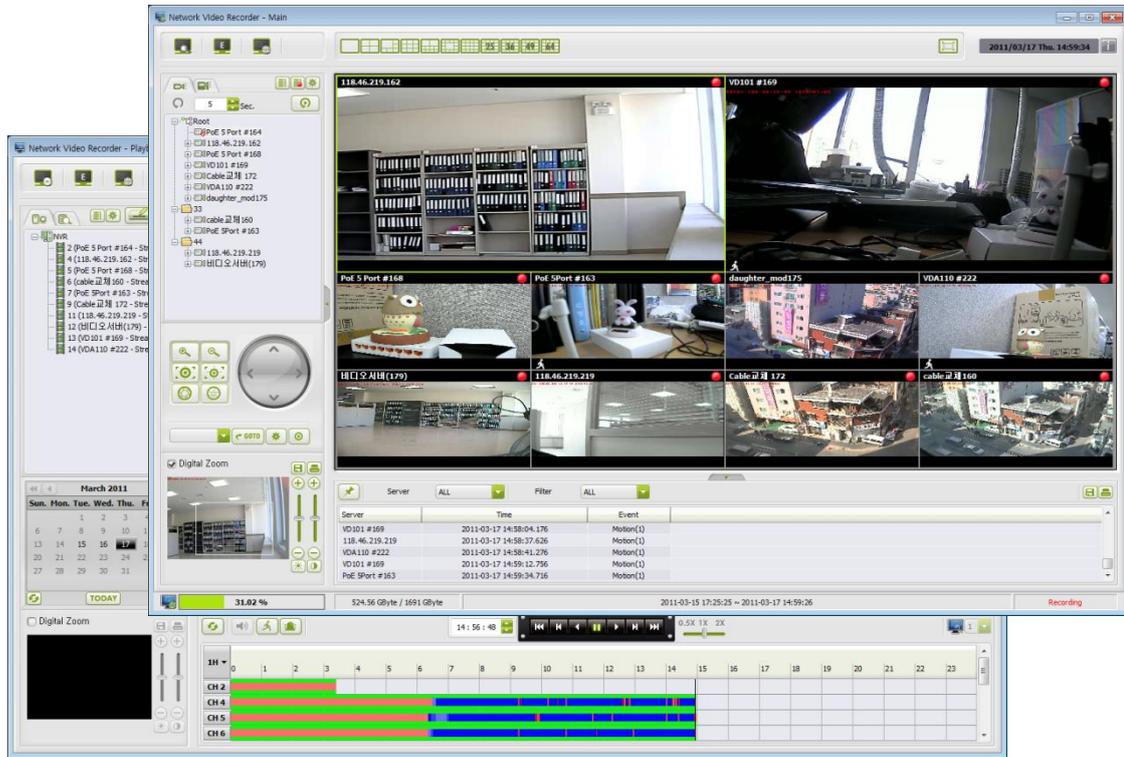


# Network Video Recorder C/S USER MANUAL



Released on 27th of Nov., 2013

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## About this Document

Thank you for purchasing VISION IP Camera or Network Video Server. This user manual includes instructions for using and managing the NVR C/S software on your system and network. Updated versions of this document will be posted to [www.visionipvideo.com](http://www.visionipvideo.com) as they become available.

## Legal Considerations

Video and audio surveillance can be prohibited by laws that vary from country to country. Please check the laws in your local region before using this product for surveillance purposes.

## Trademark Acknowledgments

Ethernet, Internet Explorer, Linux, Microsoft, Mozilla, Netscape Navigator, OS/2, UNIX, Windows, WWW are registered trademarks of the respective holders. Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries.

## Product Classification

Classification	Definition	Max. Resolution	Frame rate at max. resolution
i-Series	SD	D1	30 fps
MTi-Series	HD	1280 X 720	30 fps
M2Ti-Series	Full HD	1920 X 1080	30 fps
M3Ti-Series	3 Mega Pixel	2048 X 1536	20 fps

## Important Notices

1. Camera surveillance laws may differ for each country. Contact the local authorities to avoid any surveillance law violations.
2. **Specifications are subject to change without prior notice to enhance the product quality and stability.**
3. **The contents of this manual may differ from actual products due to product upgrade or enhancement.**

## 1. Feature Overview

Key features	16	36	64	Unlimited
Number of cameras per recording server	16	36	64	64
Multi server solution	No	No	No	Yes
Number of servers	1	1	1	Unlimited
Number of cameras per NVR Client Live	16	36	64	128
Number of cameras per NVR Client Playback	16	16	16	16
Maximum numbers of users	1	5	5	32
Alarm Manager	Yes	Yes	Yes	Yes
Map function	Yes	Yes	Yes	Yes
Watchdog	Yes	Yes	Yes	Yes

## 2. Minimum System Requirements

System requirement	NVR CS Server	NVR CS Client
CPU	Pentium Core2 duo 2.4	Pentium i3-3220 3.3GHz ( recommend higher )
Graphic Card	128MB	128MB
RAM	2GB	2GB ( or higher recommend)
O/S	Windows 7	Windows 7
Network	Gigabit LAN	Gigabit LAN
HDD	Minimum 1GB Free	Minimum 1GB Free

## 3. Detailed Product Features

### 3.1 NVR CS Server

Function	Description
Recording Server	Save stream transmitted from IP camera up to 64 channels IP per server.
	Intelligent recording function( Scheduling, Event Recording)
Relay Server	Relay video stream or event IP transmitted from IP camera to assigned client.
Two way Audio Server	Transmit client's audio data to camera
User Management	User and User group management.
Watchdog	Periodic monitoring recording server for stability of recording.

### 3.2 NVR Client Live

Function	Description
Real time monitoring	Performs Real time monitoring up to Max. 128 channel by remote management of recording server and IP camera.
Unlimited server system	Provides unlimited server system by remote management of recording server and IP camera.
Remote setting	Provides remote setting of recording server and functions of IP camera.
P/T/Z control	Control Pan/Tilt/Zoom of IP camera.
Event Log	Print event information of IP cameras in the form of list.
Display	Shows live video in 1/4/6/9/10/13/16/25/36/49/64 channel mode
Dual monitoring	Supports up to Max. 128 channel of live video by dual monitoring feature.

### 3.3 NVR Client Playback

Function	Description
Remote search	Provides playback recording data in recording server up to Max. X16.
Display	Show video in 1/4/6/9/10/13/16 channel mode.
Backup	Back up as Bmp. of AVI.
Digital Zoom	Provides digital zoom in playback mode.

### 3.4 NVR Client E-map

Function	Description
Map management	Provides unlimited number of map pages by registration and deleting of several maps.
Event link	Supports various event notifications such as Pop-up video, Panorama, Sound Play, PTZ Preset, when event triggered.
User Interface	Supports familiar user interface such as 'Drag & Drop'
Event Log	Print event information of IP cameras in the form of list.
Backup	Back up as Bmp. of AVI.

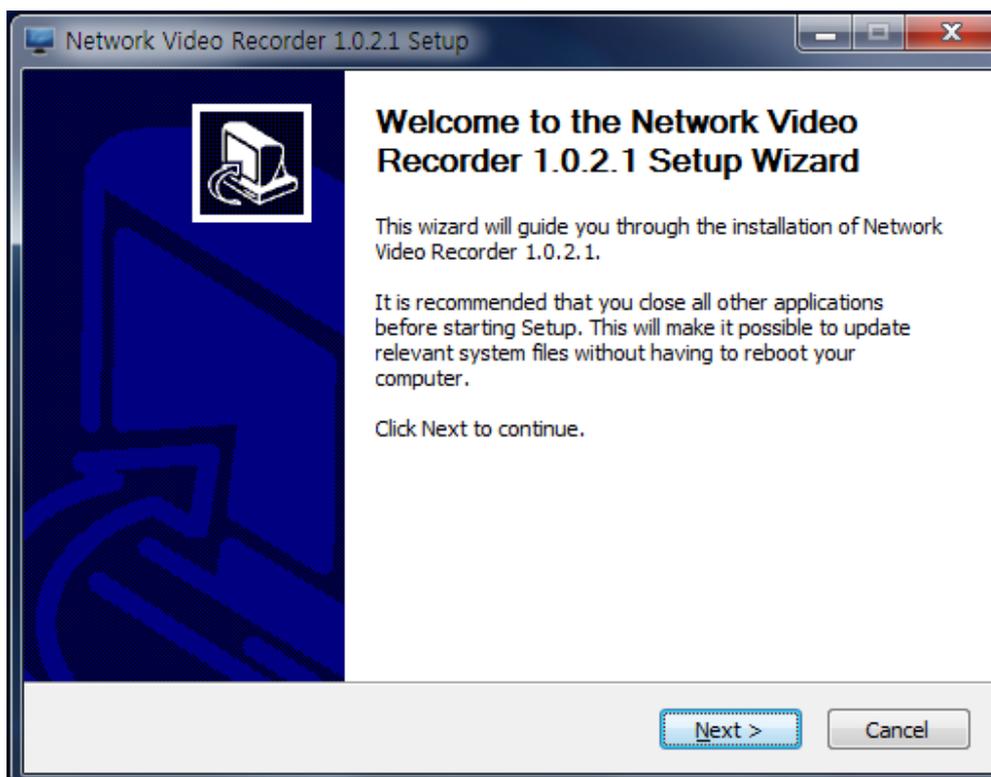
### 3.5 NVR Client Event View

Function	Description
Event Log	Print event information of IP cameras in the form of list.
Pop-up video	When event triggered, event video will appear on the screen.
Save or print log	Save or print registered event log
Display	Show video in 1/4/6/9/10/13/16/25/36/49/64 channel mode.

## 4. Getting Started

### 4.1 Program installation

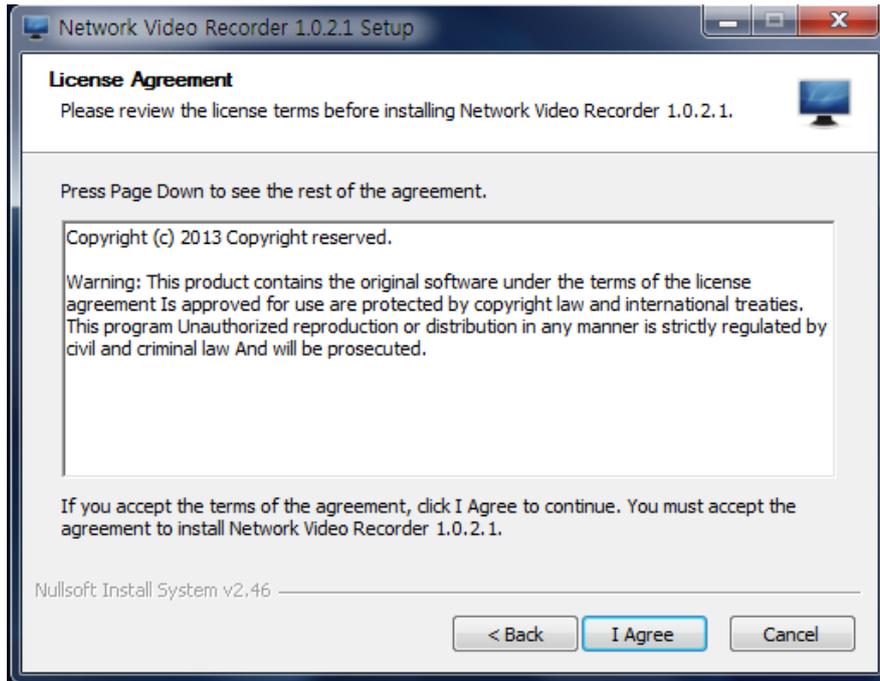
Run "NVR\_CS\_Install\_xx.exe" to install NVR CS.



Click "Next" to continue.

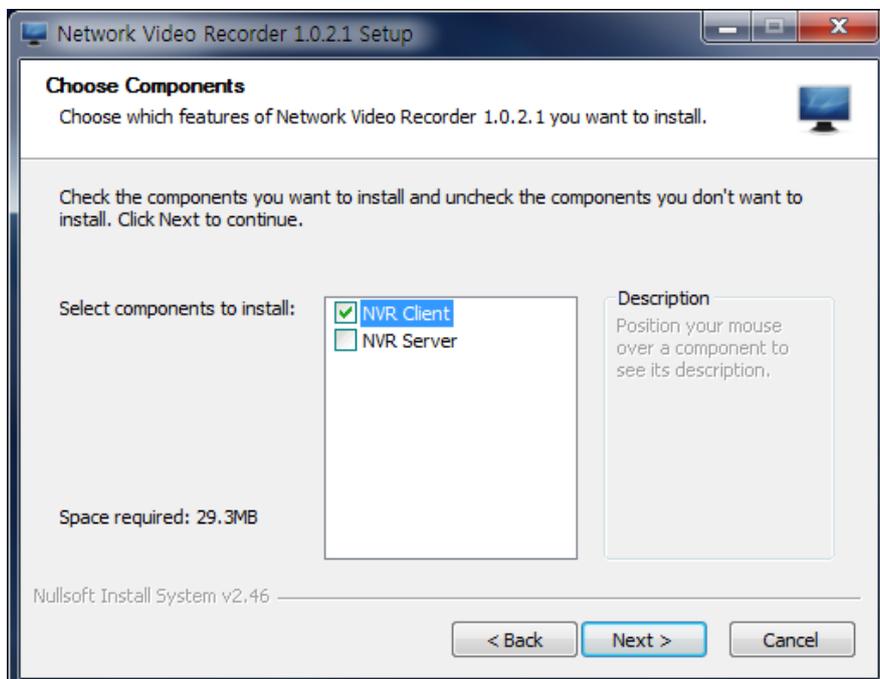
### 4.2 License Agreement

When 'License Agreement' dialog box appears, click "I Agree" to continue.



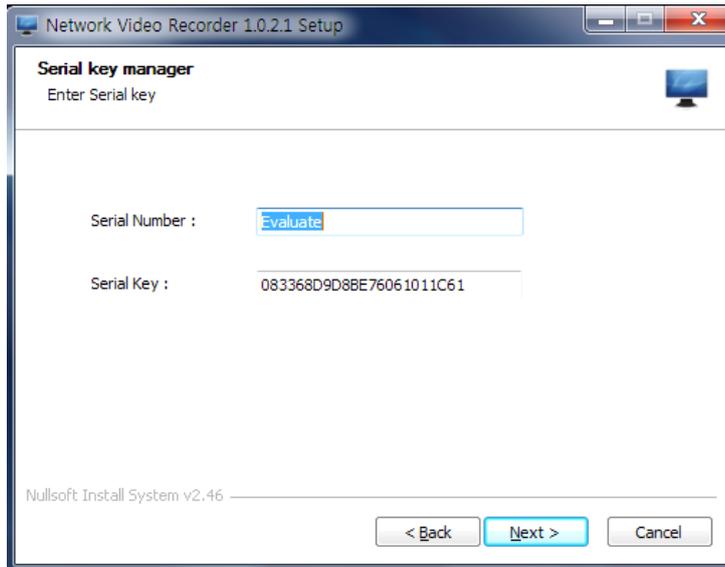
#### 4.3 Choose Components

Check the components you want to install and click 'Next' to continue.



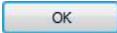
#### 4.4 Serial number

Enter serial number & serial key. And, click "Next" to continue.



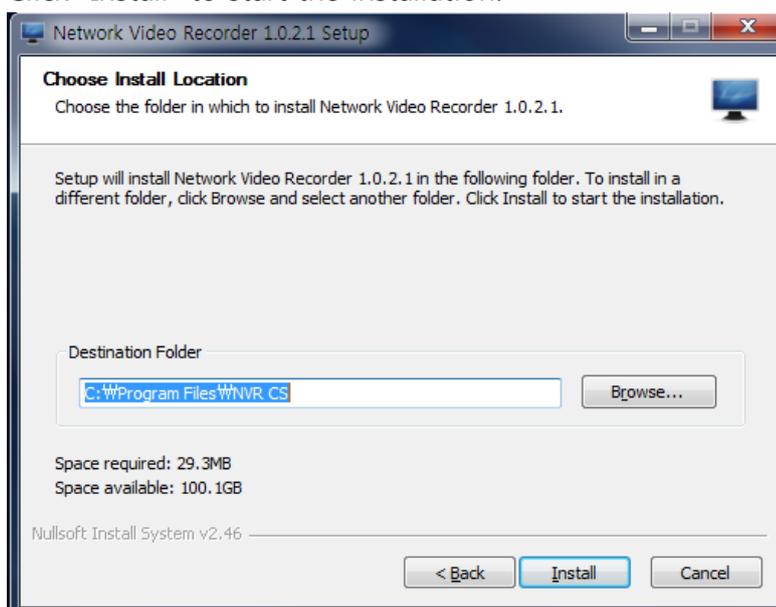
If serial number or serial key are invalid, below window will appear.



Click  and enter the valid serial number and serial key. Then, click "Next"

#### 4.5 Define destination folder

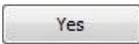
Choose the folder in which to install Network Video Recorder and Click "Install" to start the installation.



#### 4.6 Start Program registration

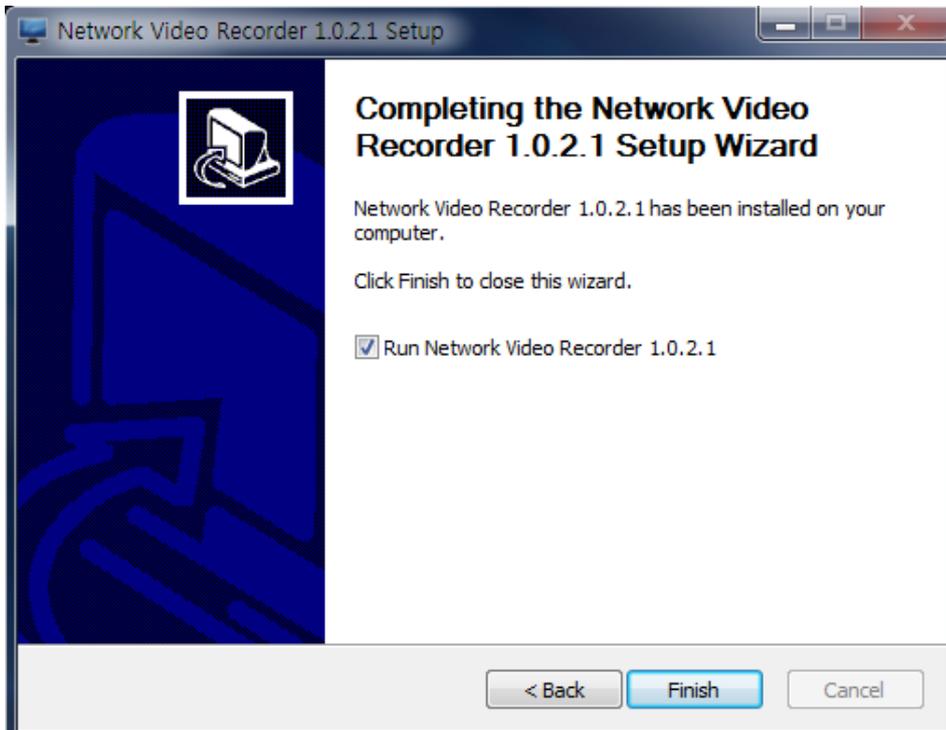
Enter user's admin account information to register for start program.



Click  to register recording server to start program.

#### 4.7 Installation Completion

After installation is completed, NVR can be run immediately by clicking 'Finish' button with check-box checked on 'Run Network Video Recorder 1.0.2.1'.



A. After installation, 5 shortcut icons will be created on desktop as follows



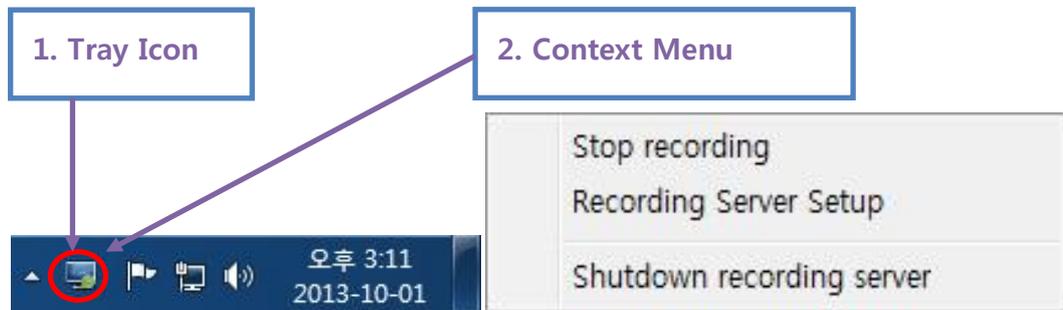
B. When you try to delete NVR CS, you may run Uninstall.exe on below location.

Start-up Menu → All Programs → NVR CS → Uninstall.exe

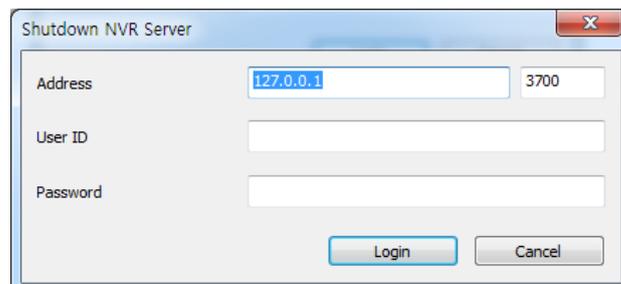
## 5. NVR Server

### 5.1 User Interface

NVR Server is the program which features video relay and recording. When the program is installed on the PC, the tray icon of NVR server will be displayed in the right tray of the task bar. NVR Server does not have a separate UI and run in the background.



- (1) Implementation of program is controlled by a context menu.  
Select the icon and right-click it.
- (2) Menu : Stop/Start recording , NVR Server Setup, Shutdown NVR Server
  - A. Stop/Start Recording: Setup Stop/Start Recording.
  - B. NVR Server Setup: Configures the NVR server settings (Refer to "6. NVR Server Setup").
  - C. Shutdown NVR Server: Shut down NVR Server program.



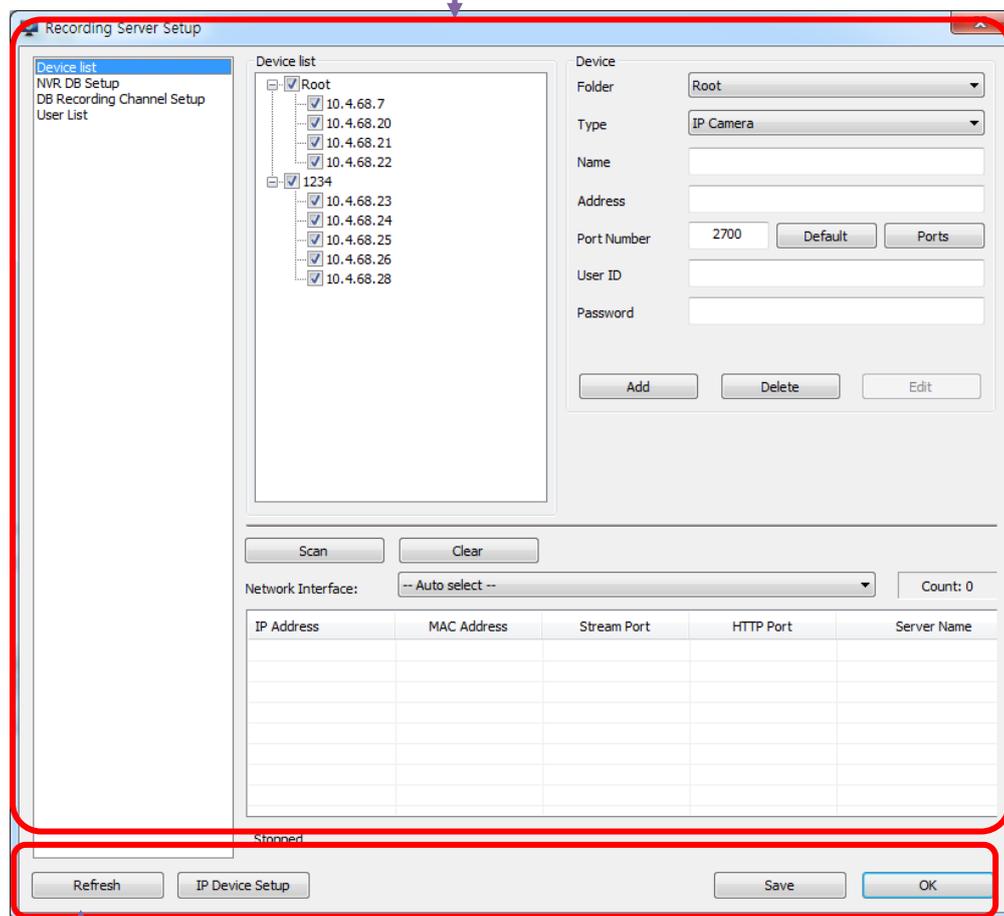
Enter user's admin account information and click 'Login' to shutdown program.

## 6. NVR Server Setup

This chapter provides a brief description how to setup NVR Server program.

### 6.1 User Interface

#### 1. Setup window



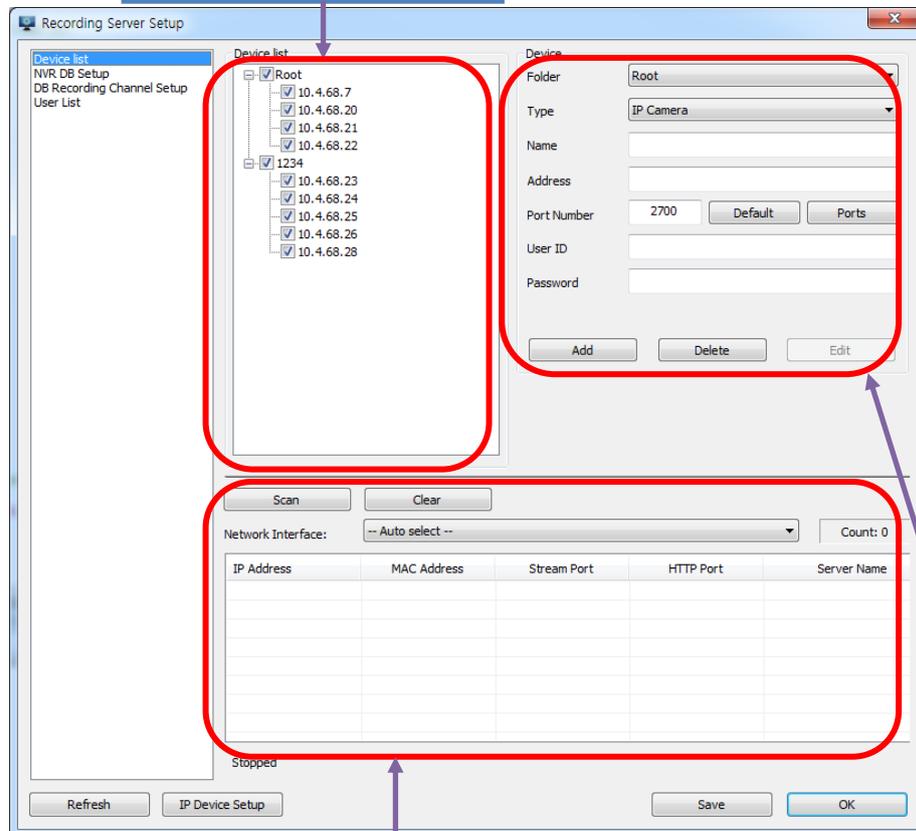
#### 2. Control button

##### 6.1.1 Setup Window

###### A. Device List

Manage and edit device list as shown below.

## 1. Device List



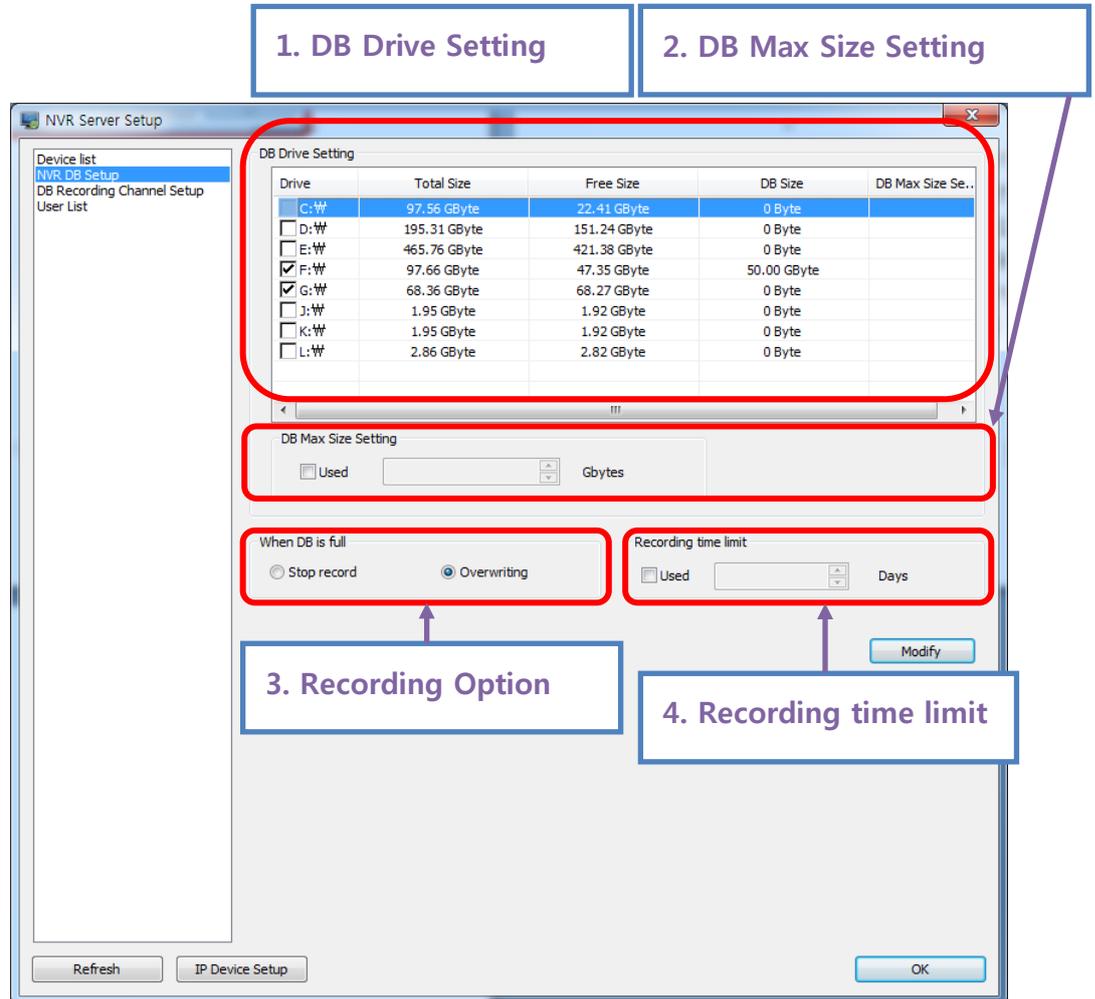
## 4. Scan Device

## 3. Edit Device

- (1) Device List : display the registered devices.
- (2) Edit Device : can add, delete or edit the device.
- (3) Scan Device : User can find and select all available devices in the same network environment and edit devices with easy.

## B. Device List

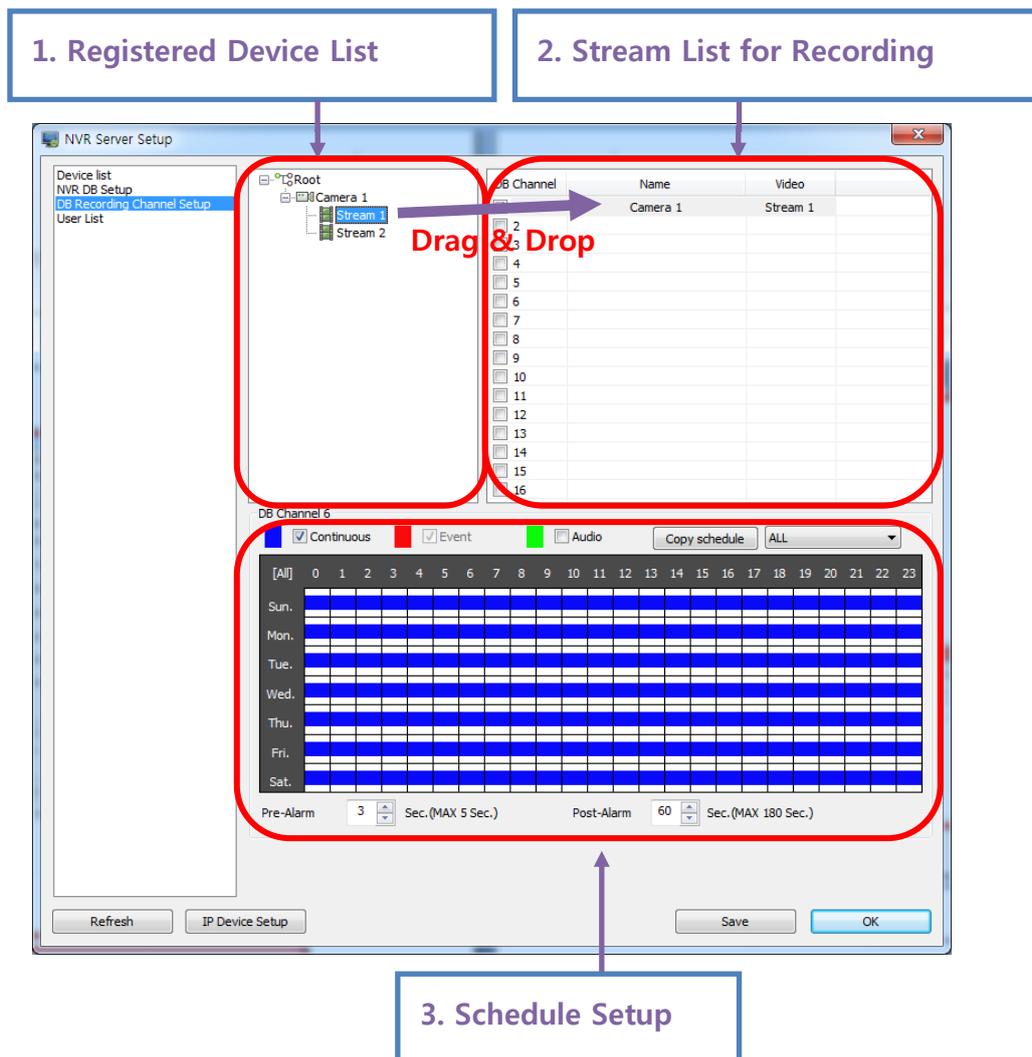
You can start the status of DB setting, DB size and Recording time limit, etc.



- (1) DB Drive Setting : assigns DB Drive for recording.
- (2) DB Max Size Setting : set the maximum DB size for the selected DB drive by Gbytes.
- (3) Recording Option : Select two kinds of action when DB is full.
  - Stop record : immediately stop recording when DB is full.
  - Overwriting : continues recording by overwriting the oldest data when DB is full.
- (4) Recording time limit : set the maximum recording time by day.

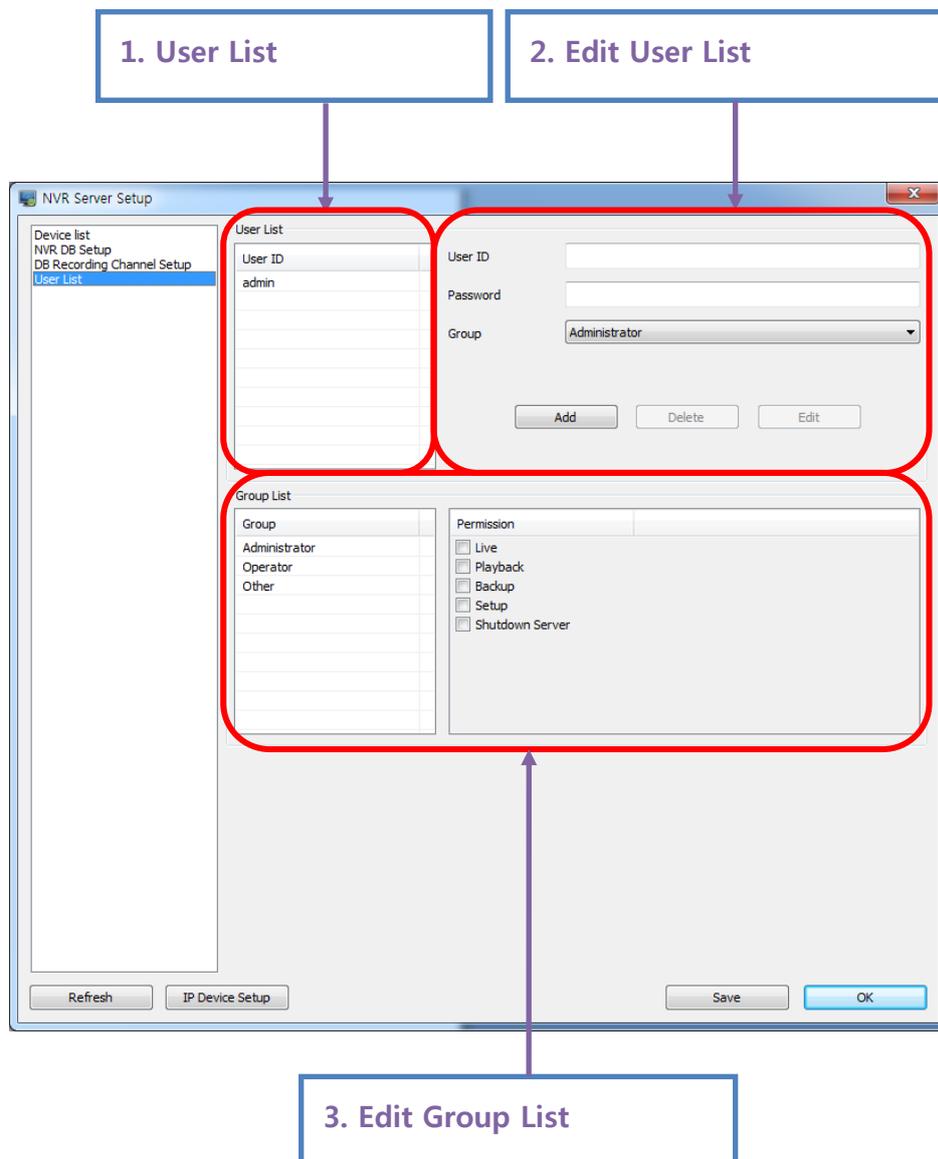
## C. DB Recording Channel Setup

You can set up Recording Channels and make scheduled recording.



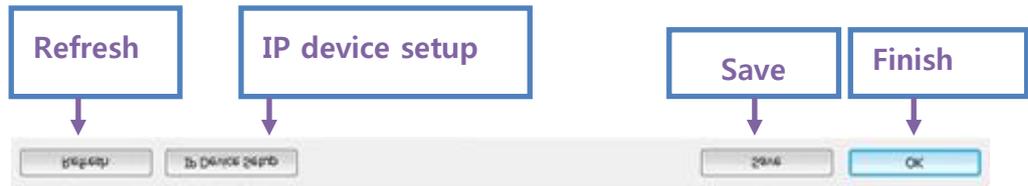
- (1) Registered Device List : displays all registered devices.
  - (2) Stream List for Recording : displays all registered stream list for recording. To add stream for recording to DB channel, select desired stream of registered devices and drag & drop it to specific DB channel.
  - (3) Schedule Setup : displays recording schedule. You can edit the recording schedule by the hour. To plot recording schedule, select desired items from Continuous, Event or Audio, and drag the cursor to specify the time range on the time table.
- On the bottom, there is Pre/Post-Alarm setting. Pre-Alarm means video before event trigger. You can set 1~5 seconds. Post-Alarm means after event trigger. 1~180 seconds can be set.

## D. User List



- (1) User List : displays all users.
- (2) Edit User List : can add/delete/edit a user.
- (3) Group List : User group is divided into three group(Administrator, Operator, Other) to authorize appropriately, each group can authorize 'Live, Playback, Backup, Setup, Shutdown Server' by manager's choice.

### 6.1.2 Control buttons



## 7. NVR Client Live

### 7.1 User Interface

1. Status and Server List

2. Program Icons

3. Display Mode

8. System Time

9. Version information

4. Display window

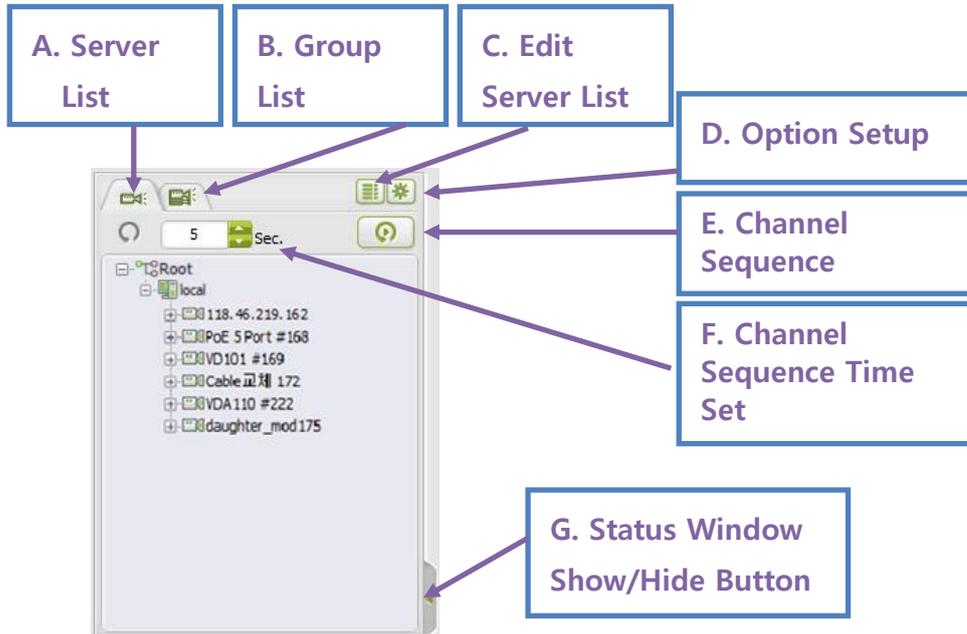
5. PTZ Control

6. Digital PTZ

7. Event Log

Server	Time	Event
local	2013-10-01 17:39:58.262	Connecting
118.46.219.165	2013-10-01 17:39:58.263	Connecting
118.46.219.165	2013-10-01 17:39:58.411	Connected
local	2013-10-01 17:39:58.424	Connected
[118.46.219.165] 28.28.28.101-1	2013-10-01 17:40:02.498	Motion(1)
[118.46.219.165] 28.28.28.101	2013-10-01 17:40:02.691	Motion(1)

### 7.1.1 Status and Server List



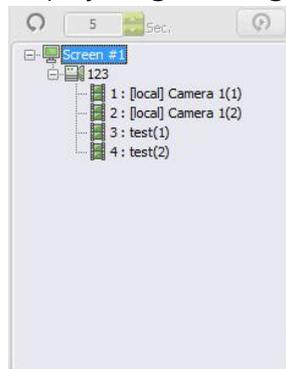
#### A. Server List

Displays registered server list.



#### B. Group List

Displays registered group list.



### C. Edit server list

**A. Server List**

**B. Edit Server**

**C. Scan Server**

IP Address	Port	Server Name	Model	Version

### D. Option Setup

**A. Option list**

**B. Display Caption**

**C. Display Option**

Display Caption

Name  REC  Event  Audio

Live Video Display Option

Auto display control for delayed frame

Skip frame delayed over 1 Sec.

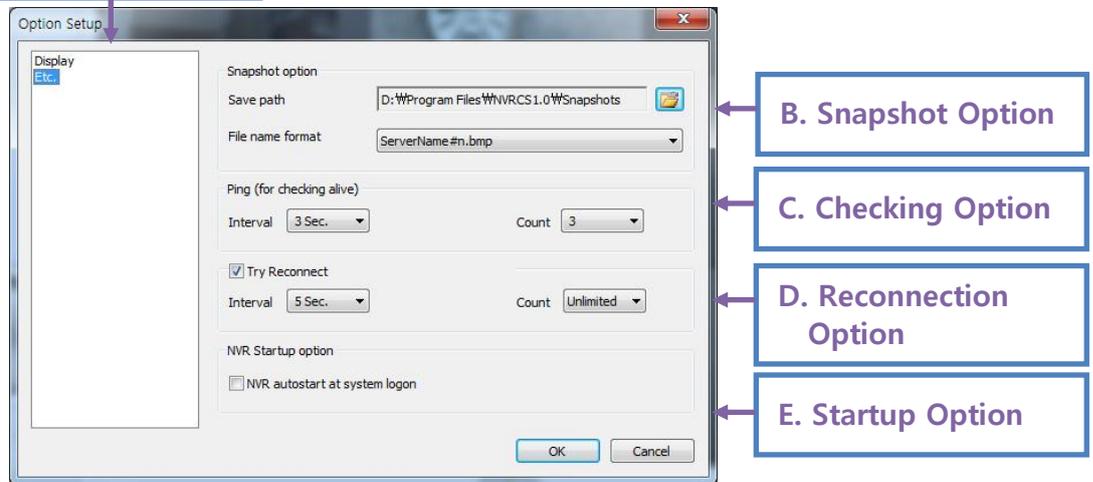
Keep original frame rate

I Frame Only

Language

Language English

**A. Option List**



**E. Channel Sequence**



: Start Channel sequence.

**F. Channel sequence Time Set**

Set channel sequence time.



**G. Status Window Show/Hide Button**

**7.1.2 Program Execution Icons**



NVR Client Playback: Searches Recorded Data & Playback



NVR Client Event Viewer: Shows live video when event triggered



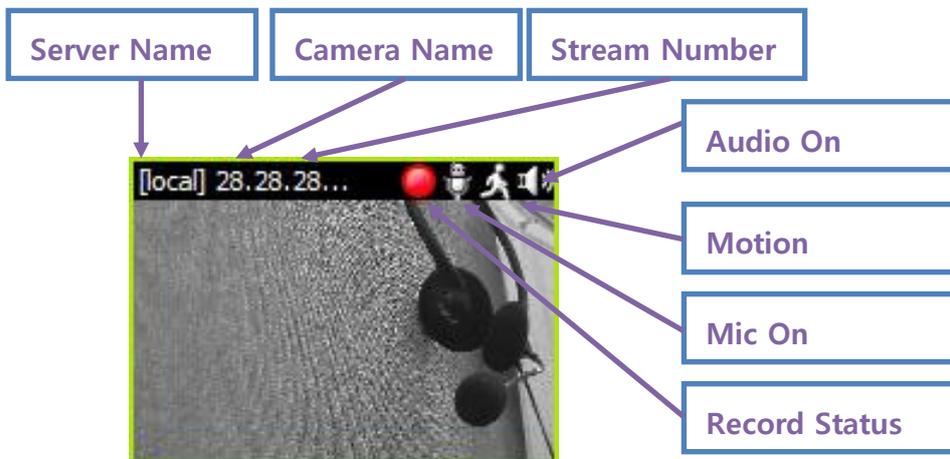
NVR Client E-Map: Displays live video and alarm on user's defined map when event triggered

### 7.1.3 Display Mode

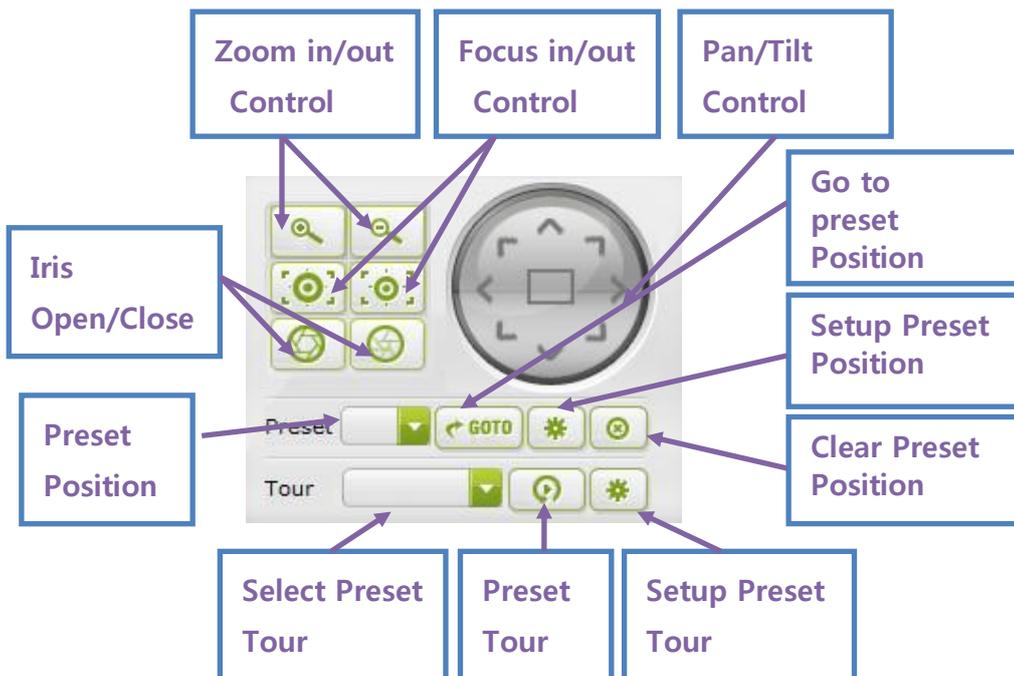


Show live video in 1/4/6/9/10/11/16/25/36/49/64 channel mode and full screen mode.

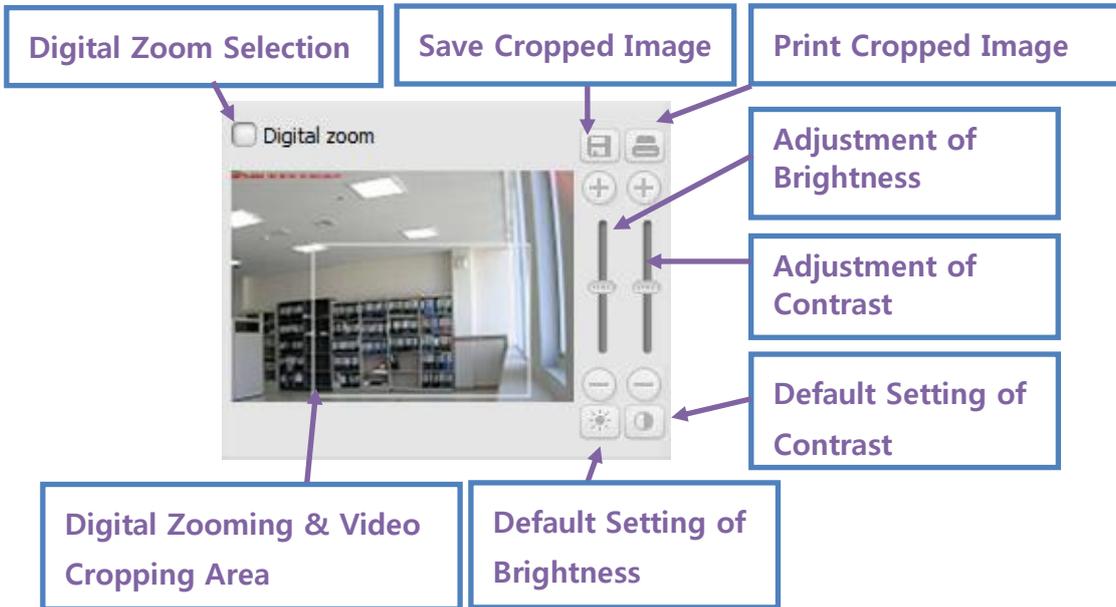
### 7.1.4 Display window



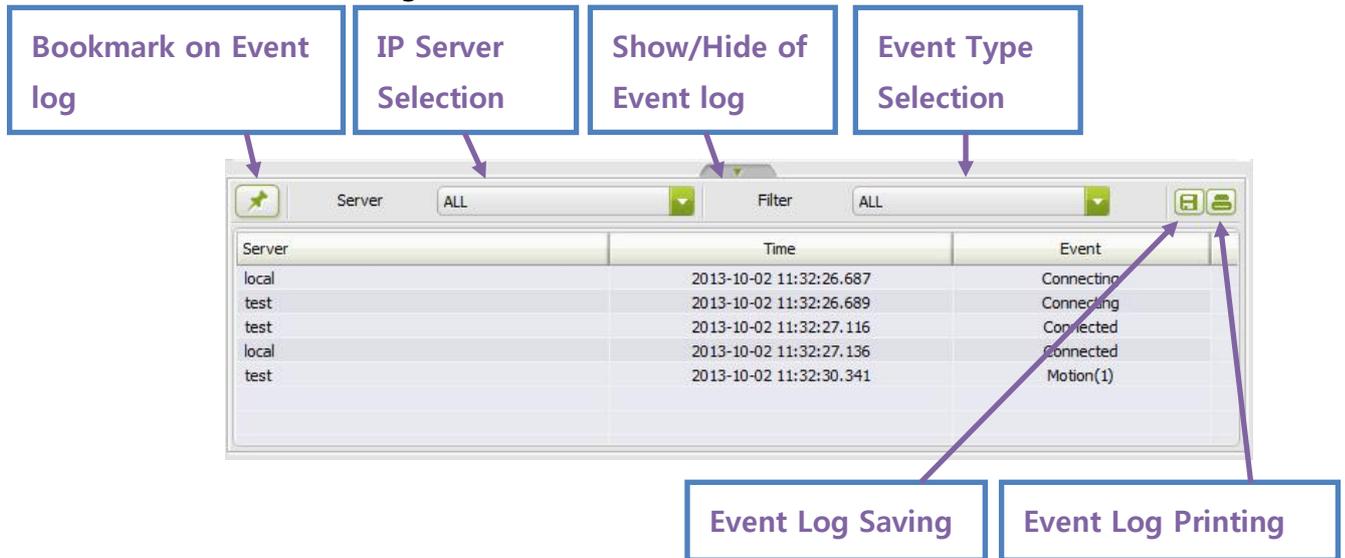
### 7.1.5 PTZ Control



### 7.1.6 Digital PTZ and Image Cropping.



### 7.1.7 Event Log

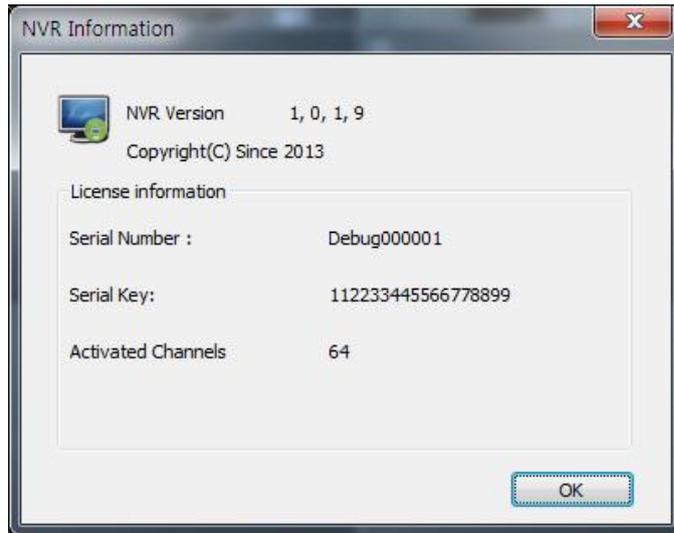


### 7.1.8 System Time



### 7.1.9 Version information

Click  to see Program version information as shown below.



## 7.2 Video display on NVR Client Live

1. Video display

2. Remove Video display

Network Video Recorder - Main

2013/10/01 Tue. 17:40:21

01

08

09

10

11

12

13

14

15

16

Server ALL Filter ALL

Server	Time	Event
local	2013-10-01 17:39:58.262	Connecting
118.46.219.165	2013-10-01 17:39:58.263	Connecting
118.46.219.165	2013-10-01 17:39:58.411	Connected
local	2013-10-01 17:39:58.424	Connected
[118.46.219.165] 28.28.28.101-1	2013-10-01 17:40:02.498	Motion(1)
[118.46.219.165] 28.28.28.101	2013-10-01 17:40:02.691	Motion(1)

- (1) Drag and drop one selected camera on the display window to see live video from the camera.
- (2) When you want to remove specific camera from live view, click that video window. Then drag and drop it in reverse direction toward 'Status and Server list' as shown in the above picture.

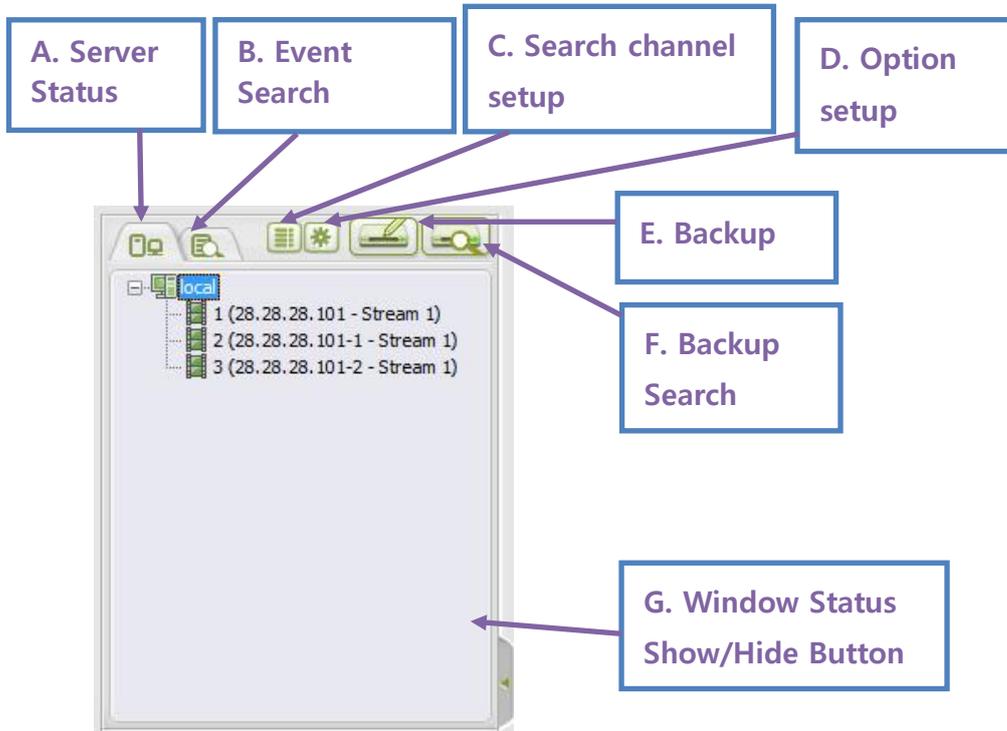
## 8. NVR Client Playback

### 8.1 User Interface

The screenshot shows the NVR Client Playback interface with the following components highlighted by callouts:

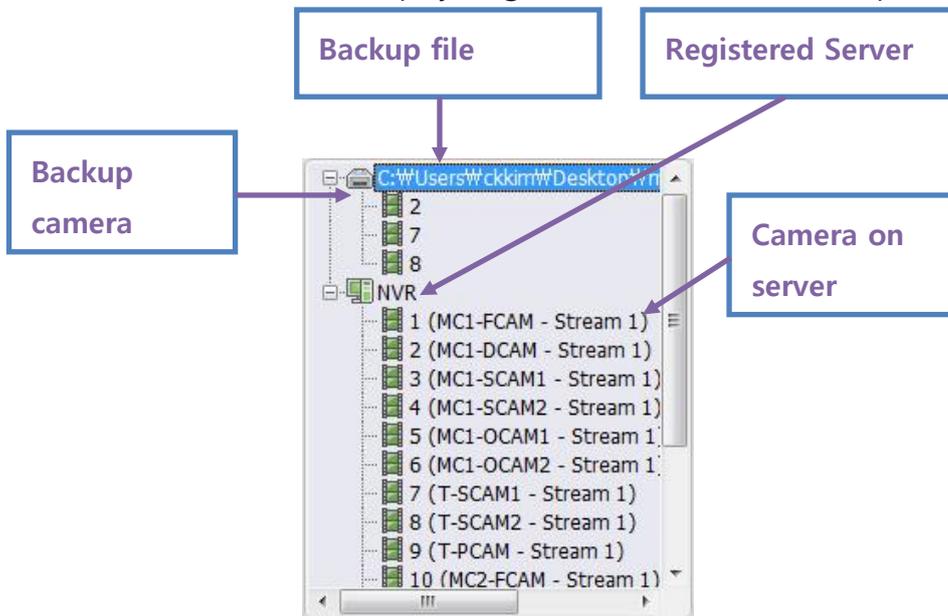
- 1. Status and server list:** A list of camera channels on the left side of the interface.
- 2. Icons:** A row of small icons at the top of the interface.
- 3. Display Mode:** A row of icons for selecting different display layouts.
- 4. System time:** A digital clock showing the current date and time.
- 5. Calendar:** A monthly calendar view for navigation.
- 6. Digital PTZ Window:** A window for digital pan, tilt, and zoom controls.
- 7. Data Search grid:** A grid for searching and viewing video segments across multiple channels.
- 8. System time:** A digital clock showing the current date and time.
- 9. Program version Information:** A small icon in the top right corner.

### 8.1.1 Status and server list



#### A. Server Status

Displays registered server list or backup server list.



## B. Event Search

Print event data list on the server.

The screenshot shows a software interface for event search. At the top, there are two dropdown menus: 'Channel' and 'Filter', both set to 'ALL'. To the right of these menus are two icons: a floppy disk for saving and a printer for printing. Below the menus is a table with columns for 'Channel', 'Time', and 'Event'. The table contains several rows of event data. Callout boxes with arrows point to the 'Channel' and 'Filter' dropdowns, the save and print icons, and the table itself.

Channel	Time	Event
CH 4	00:00:03.250	Post Alarm
CH 4	00:00:36.143	Pre Alarm
CH 4	00:00:39.143	Motion(1)
CH 4	00:03:16.800	Post Alarm
CH 4	00:03:24.218	Pre Alarm
CH 4	00:03:27.218	Motion(1)
CH 9	00:05:18.832	Pre Alarm
CH 9	00:05:21.832	Motion(1)
CH 9	00:06:21.832	Post Alarm
CH 4	00:06:43.453	Post Alarm
CH 4	00:09:14.751	Pre Alarm

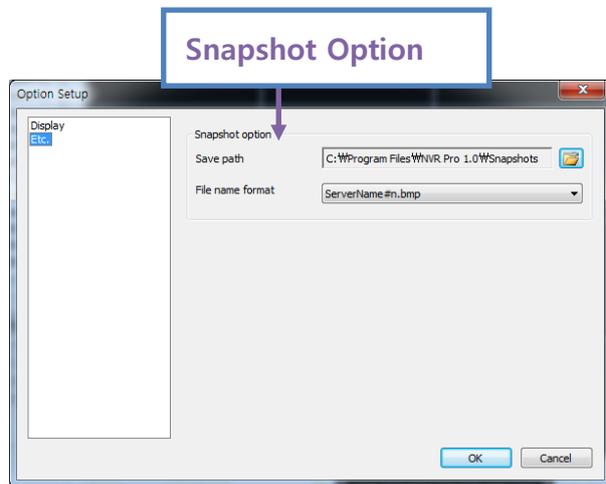
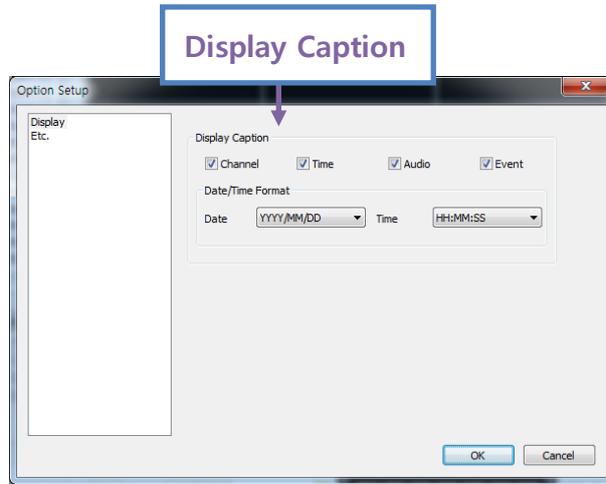
\* If you double-click specific event to see, the event video will be opened.

## C. Search Channel setup

The screenshot shows a 'Channel Setup' dialog box with a table of channel configurations. The table has columns for 'Channel', 'Recording', 'Name', and 'Video'. All channels are checked. Callout boxes with arrows point to the 'Channel' column and the 'Name' column.

Channel	Recording	Name	Video
<input checked="" type="checkbox"/> 1	Yes	MC1-FCAM	Stream 1
<input checked="" type="checkbox"/> 2	Yes	MC1-DCAM	Stream 1
<input checked="" type="checkbox"/> 3	Yes	MC1-SCAM1	Stream 1
<input checked="" type="checkbox"/> 4	Yes	MC1-SCAM2	Stream 1
<input checked="" type="checkbox"/> 5	Yes	MC1-OCAM1	Stream 1
<input checked="" type="checkbox"/> 6	Yes	MC1-OCAM2	Stream 1
<input checked="" type="checkbox"/> 7	Yes	T-SCAM1	Stream 1
<input checked="" type="checkbox"/> 8	Yes	T-SCAM2	Stream 1
<input checked="" type="checkbox"/> 9	Yes	T-PCAM	Stream 1
<input checked="" type="checkbox"/> 10	Yes	MC2-FCAM	Stream 1
<input checked="" type="checkbox"/> 11	Yes	MC2-DCAM	Stream 1
<input checked="" type="checkbox"/> 12	Yes	MC2-SCAM1	Stream 1
<input checked="" type="checkbox"/> 13	Yes	MC2-SCAM2	Stream 1
<input checked="" type="checkbox"/> 14	Yes	MC2-OCAM1	Stream 1
<input checked="" type="checkbox"/> 15	Yes	MC2-OCAM2	Stream 1

## D. Option Setup



## E. Backup Option

**Recording Channel List**

**Backup type selection**

ID	DB Channel	Recording	Name	Video
1	1	Yes	MC1-PCAM	Stream 1
2	2	Yes	MC1-DCAM	Stream 1
3	3	Yes	MC1-SCAM1	Stream 1
4	4	Yes	MC1-SCAM2	Stream 1
5	5	Yes	MC1-OCAM1	Stream 1
6	6	Yes	MC1-OCAM2	Stream 1
7	7	Yes	T-SCAM1	Stream 1
8	8	Yes	T-SCAM2	Stream 1
9	9	Yes	T-PCAM	Stream 1
10	10	Yes	MC2-PCAM	Stream 1
11	11	Yes	MC2-DCAM	Stream 1
12	12	Yes	MC2-SCAM1	Stream 1
13	13	Yes	MC2-SCAM2	Stream 1
14	14	Yes	MC2-OCAM1	Stream 1
15	15	Yes	MC2-OCAM2	Stream 1

**Backup item selection**

**Backup time selection**

**Backup size estimate**

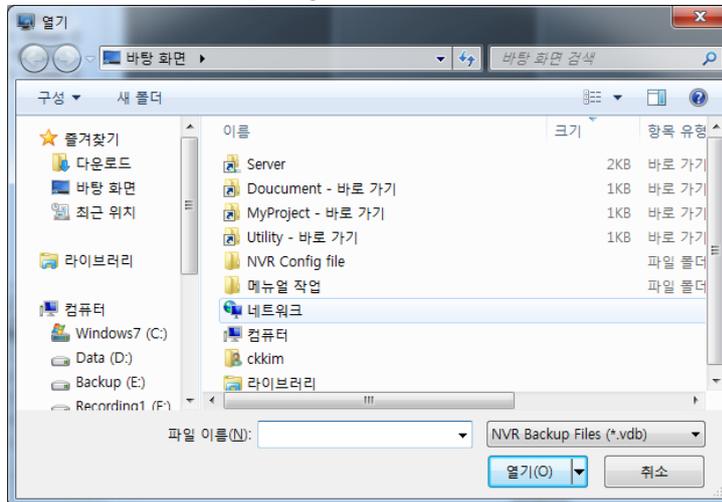
**Define backup file path**

**Backup start/stop**

F. Search backup file

Explorer window will be opened. Find backup file and click "open" button.

File selection dialog appear to load backup files as below.



G. Status window show/hide



: Status window show/hide button

8.1.2 Program Icons



NVR Client Live



NVR Client Event Viewer



NVR Client E-Map

8.1.3 Display Mode

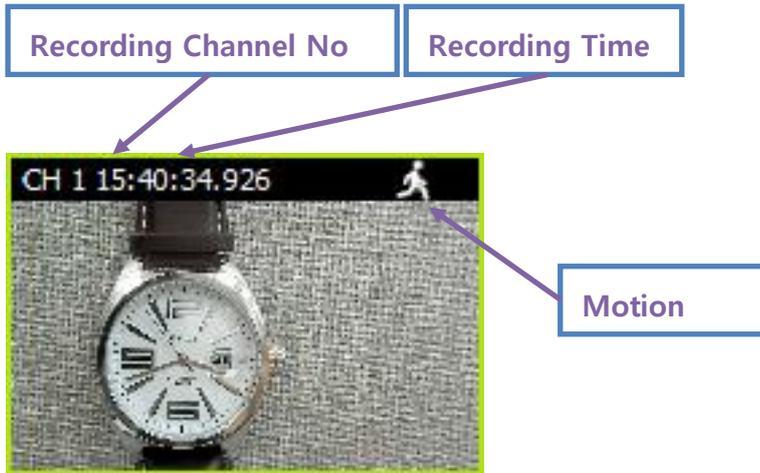


Show live video in 1/4/6/9/10/11/16/25/36/49/64 channel mode.

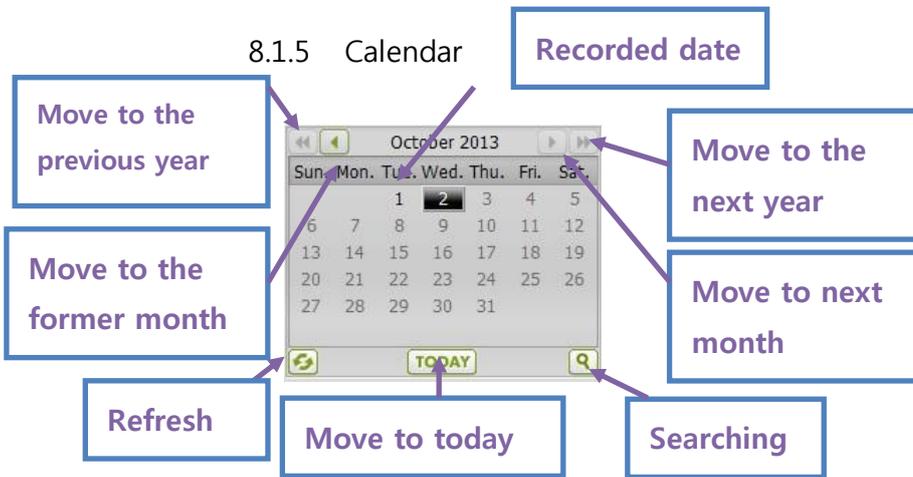


Full screen mode

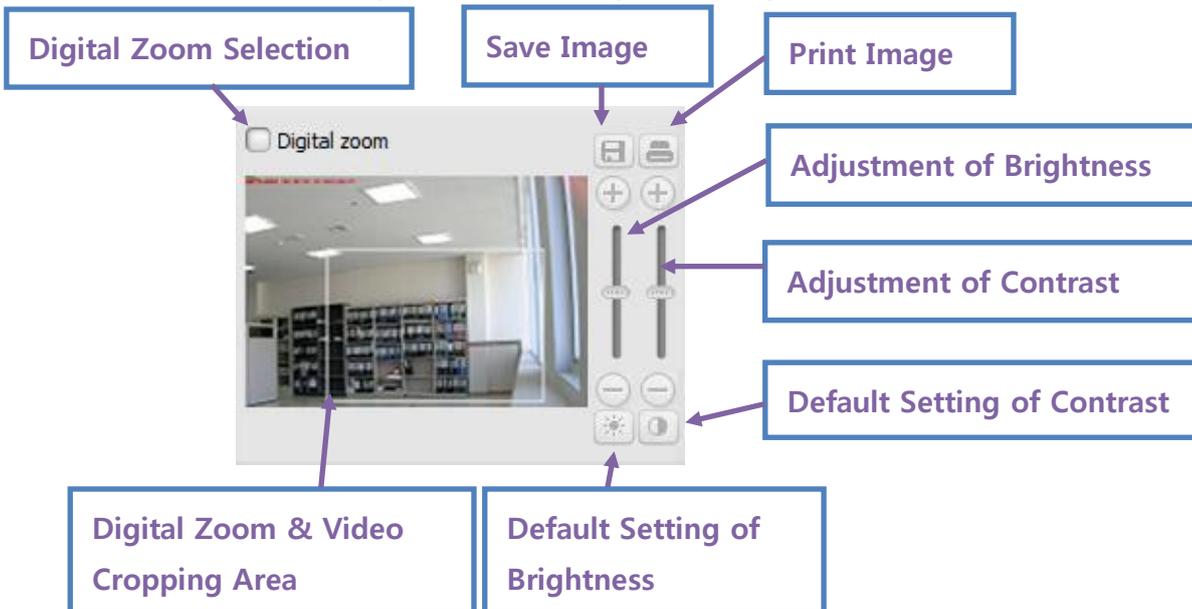
8.1.4 Display window



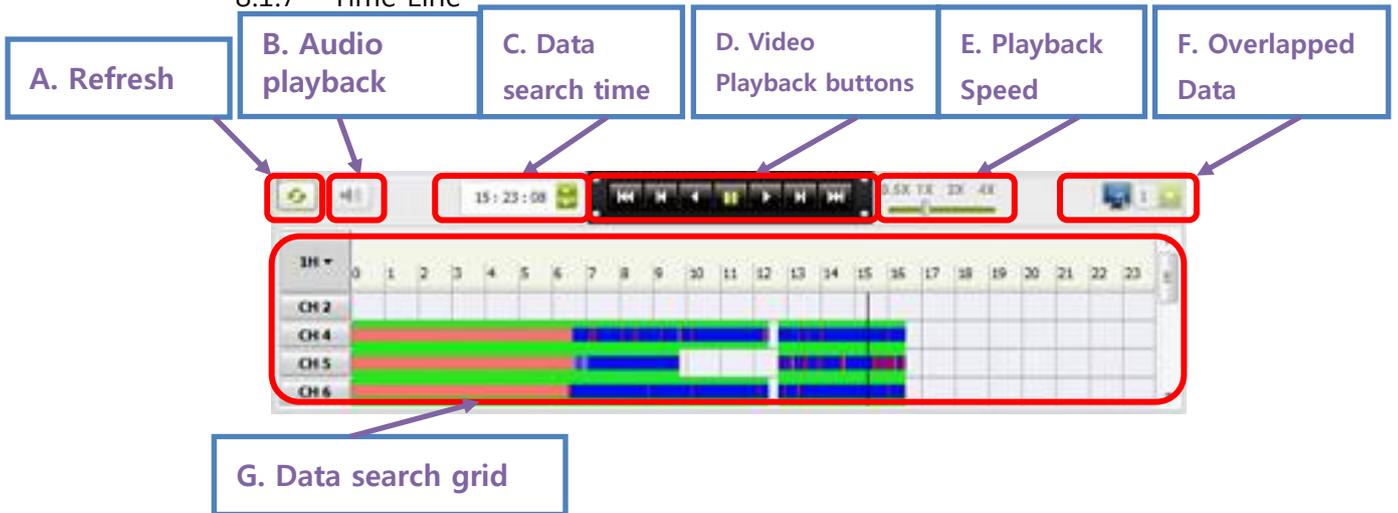
8.1.5 Calendar



8.1.6 Digital PTZ and Image Cropping



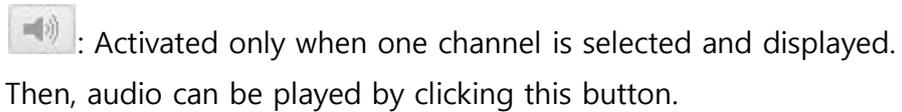
### 8.1.7 Time Line



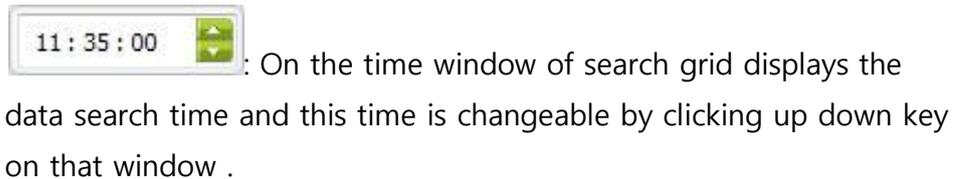
A. Refresh



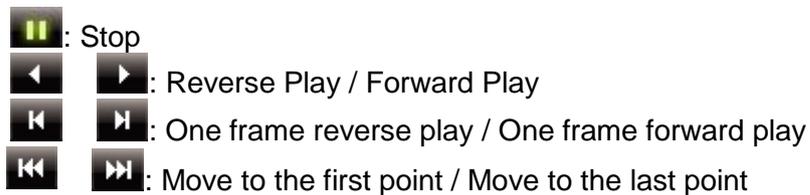
B. Audio Playback



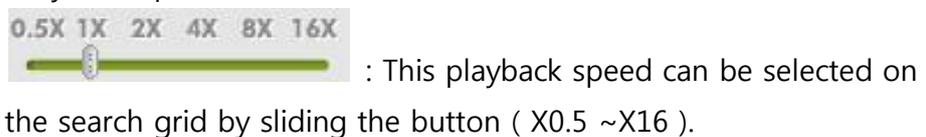
C. Data search time



D. Video playback buttons



E. Playback Speed



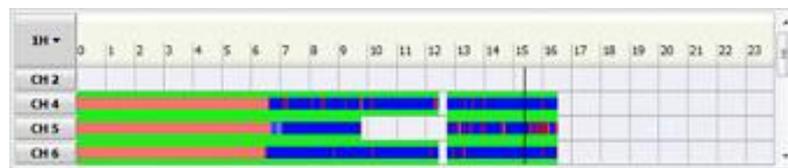
F. Overlapped Data



: When system time has been changed into earlier time, overlapped recording may happen. In this case, one another ID will be granted to distinguish and search these overlapped data.

G. Data search grid

Display the recorded data in tabular form and user can search recorded data by clicking the black line with mouse button and drag it to desired search time.

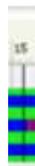


- Blank with no colored bar indicates no record data.
- Record data with more than 20 Frames per second.
- Record data with more than 10 Frames per second.
- Record data with less than 10 Frames per second.
- Audio record data.
- Event recording. The red color shows the point when event triggered and pink color shows pre or post alarm record .

When you click time button (  ), all these detailed types appear as shown below.

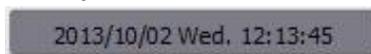


: ( 1Hour, 30Minute, 10Minute)



: By clicking the black line with mouse button and drag it to desired search time, users can search record data directly on the search grid.

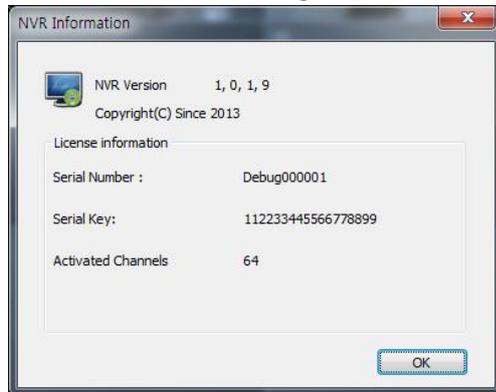
8.1.8 System Time



: Display System Time.

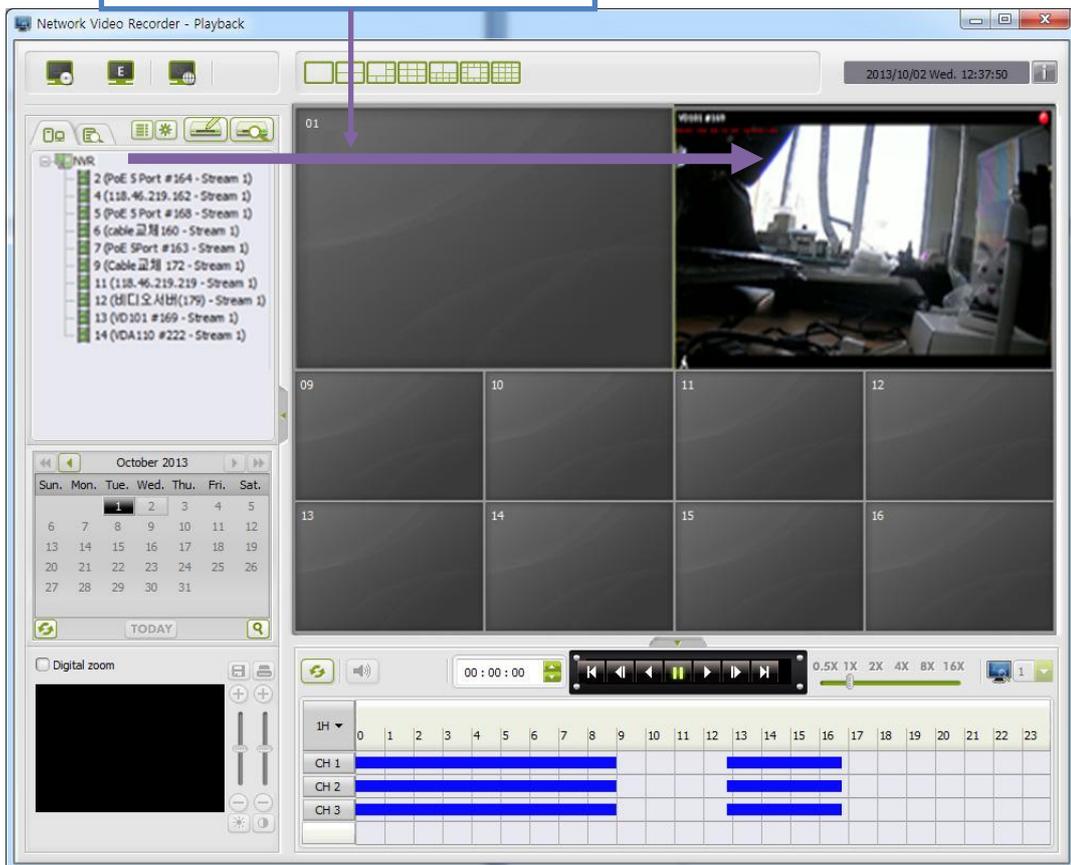
### 8.1.9 Program version information

Click  to see Program version information as shown below.



### 8.2 Searching record data on playback

#### 1. Start Data Searching



(1) Choose and drag the registered camera from server list and drop on display screen to see playback file.

(2) Choose the playback file on display screen and drag & drop on server list to remove.

## 9. NVR Client E-Map

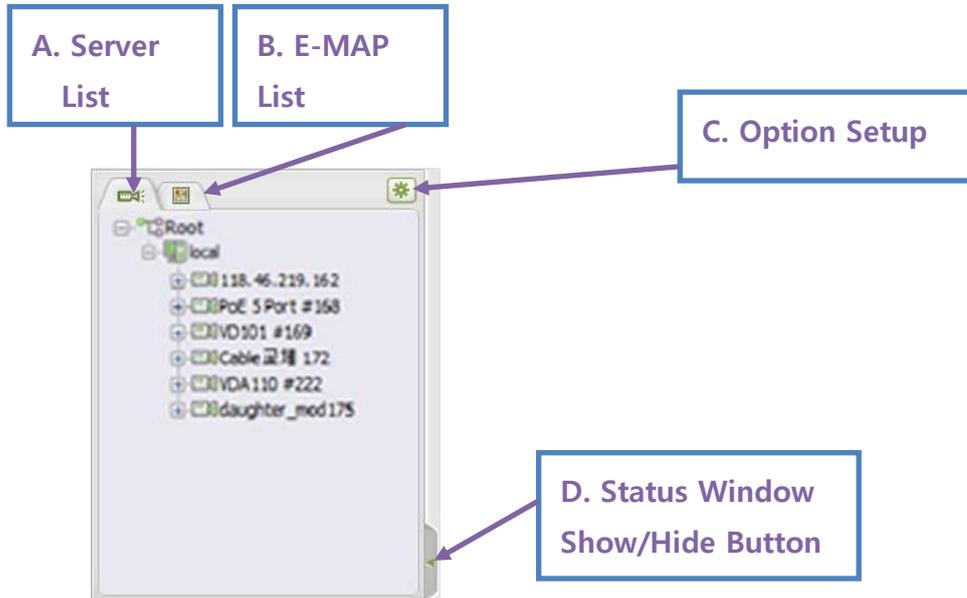
### 9.1 User Interface

The screenshot shows the NVR Client E-Map interface with the following components highlighted by numbered callouts:

- 1. Status and Server List:** A tree view on the left showing the directory structure: Root, local, 118.46.219.165, and 28.28.28.101.
- 2. Program Icons:** A row of icons at the top of the interface.
- 3. Map Manager:** A central satellite map view showing a building complex with camera locations marked by red icons.
- 4. PTZ Control:** A control panel on the left side of the map view, including a directional pad and zoom controls.
- 5. Digital PTZ:** A digital zoom control panel at the bottom left, featuring a black preview window and zoom sliders.
- 6. Event Log:** A table at the bottom right displaying server status and events.
- 7. System Time:** A digital clock in the top right corner showing the date and time: 2013/10/04 Fri. 12:00:08.
- 8. Program version Information:** A small window in the bottom right corner showing a camera's live feed, labeled "Server(Dome VD101 169) 118.46.219.165".

Server	Time	Event
118.46.219.165	2013-10-04 11:59:56.293	Connected
local	2013-10-04 11:59:57.161	Disconnected
28.28.28.101	2013-10-04 11:59:58.247	Motion(1)
118.46.219.165.28.28.	2013-10-04 11:59:58.264	Motion(1)
118.46.219.165.28.28.	2013-10-04 11:59:58.462	Motion(1)
local	2013-10-04 12:00:02.161	Reconnecting
local	2013-10-04 12:00:08.169	Reconnecting

### 9.1.1 Status and Server List



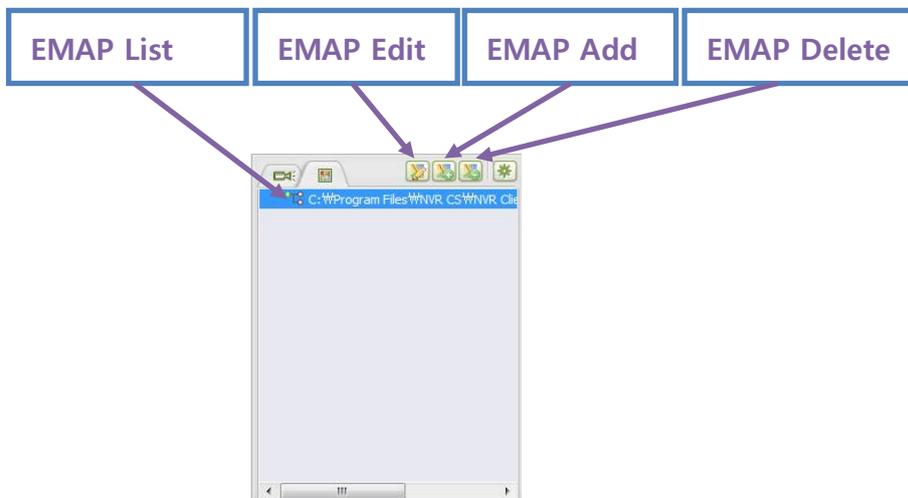
#### A. Server List

Click Server List to see the registered Server.

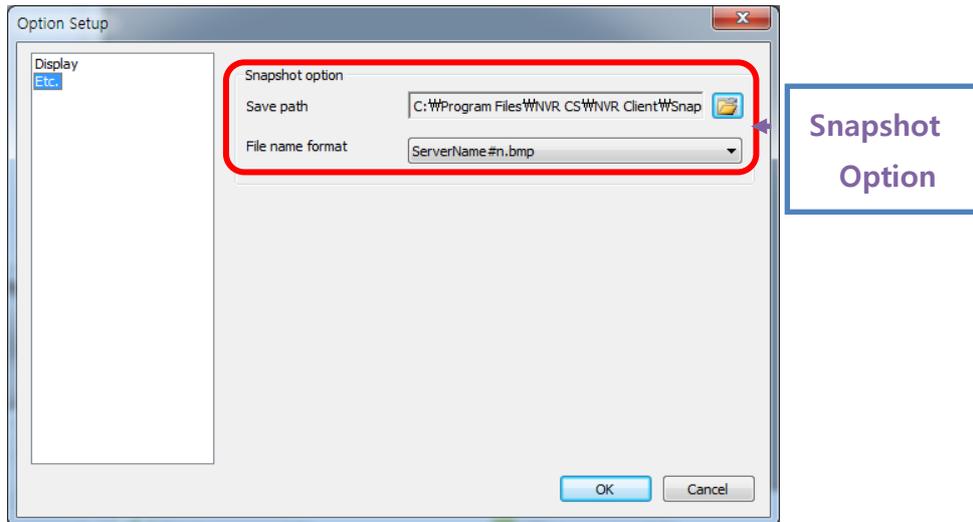
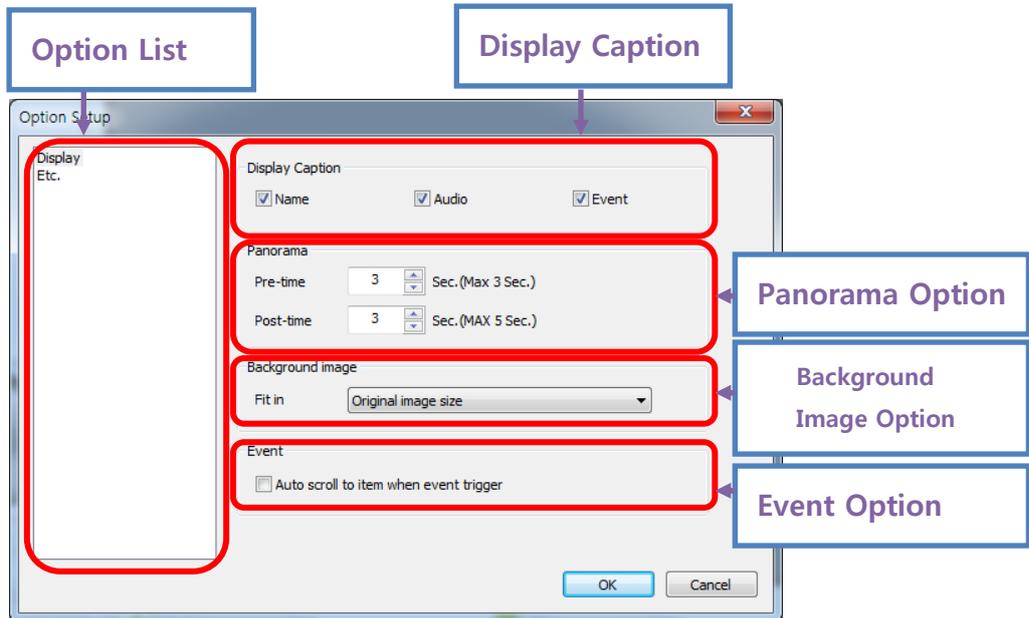


#### B. E-MAP List

Click E-Map List button to see the registered map.



### C. Option



### D. Status Window Show/Hide



### 9.1.2 Program Execution Icons List

-  NVR Client Live
-  NVR Client Playback
-  NVR Client Event Viewer

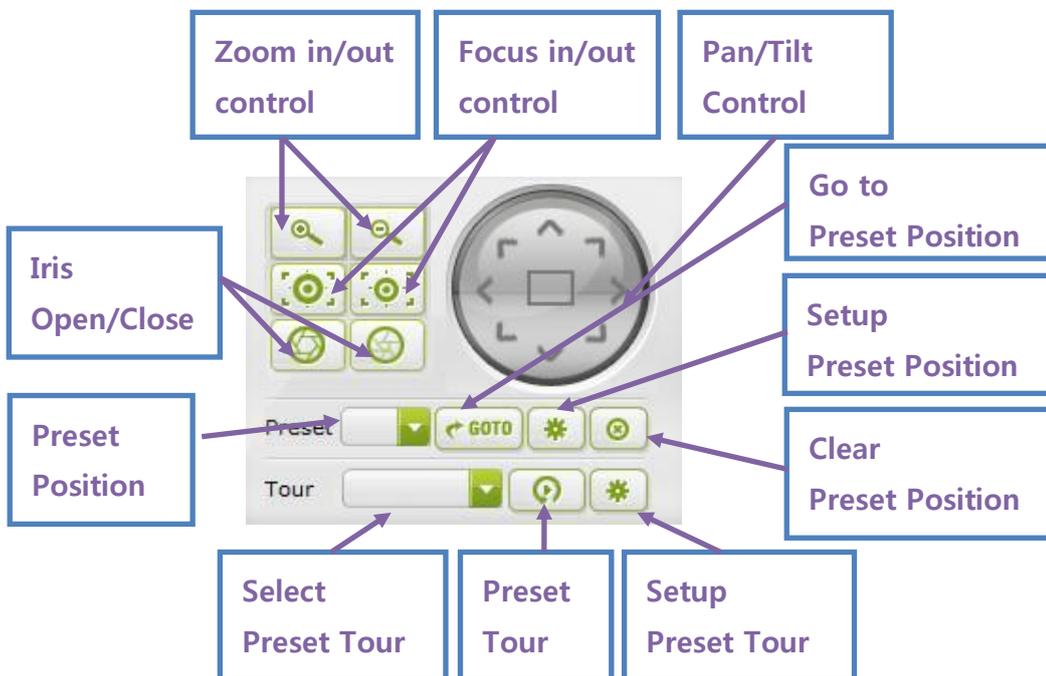
### 9.1.3 Map Manager



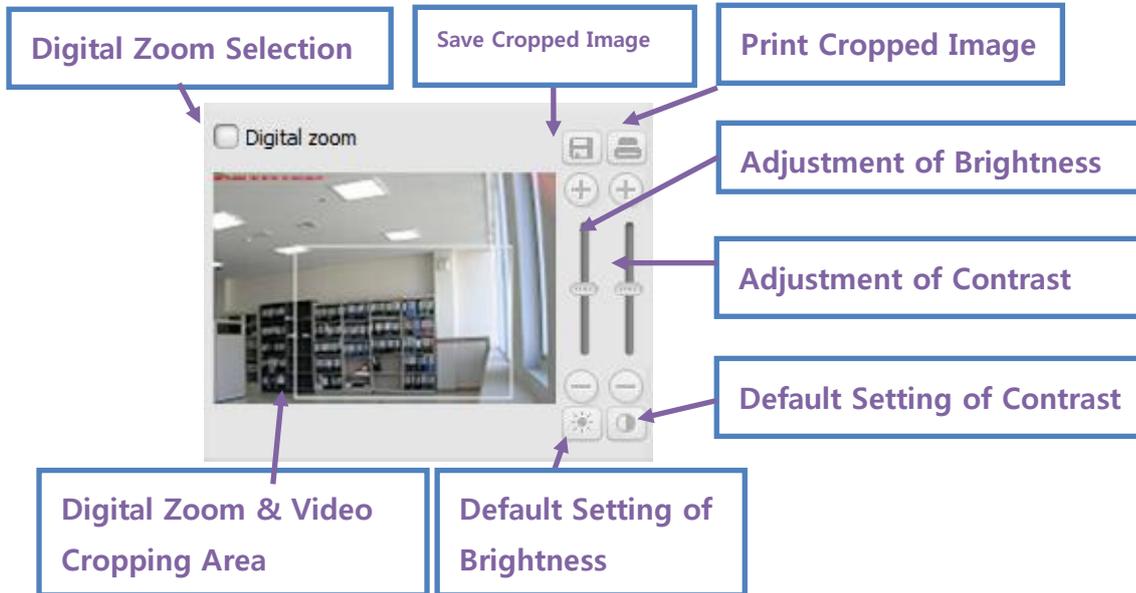
Up to 64 channel. 11 types of display mode.

Full screen m  are available.

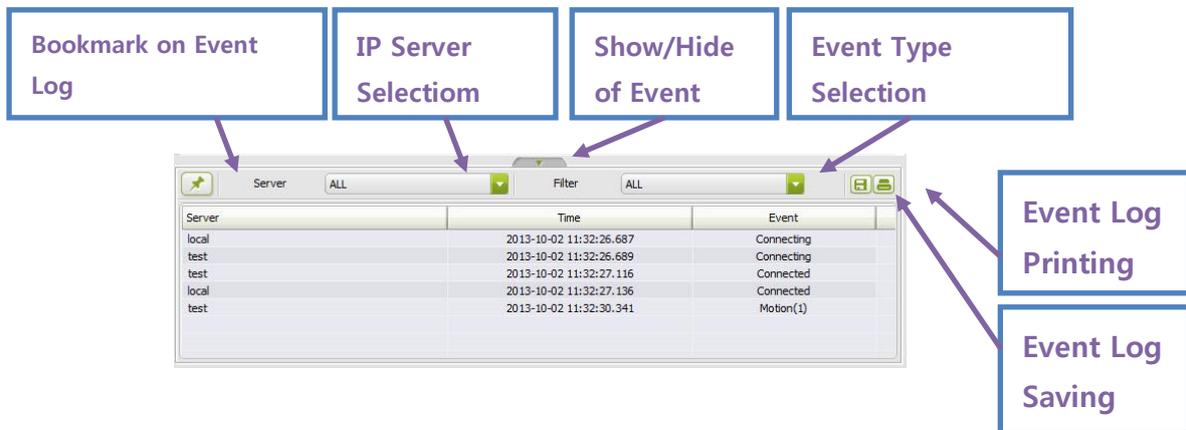
### 9.1.4 PTZ Control Icons



### 9.1.5 Digital PTZ



### 9.1.6 Event Log

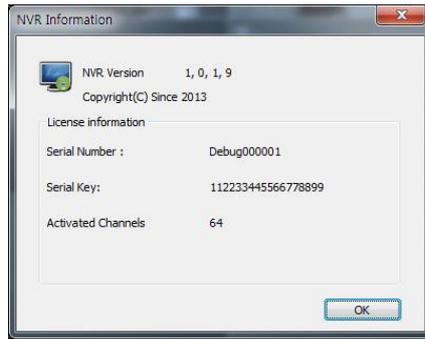


### 9.1.7 System Time

**2013/10/02 Wed, 12:13:45** : Display System Time

### 9.1.8 Program version information

Click  to see Program version information as shown below.



## 9.2 Running E-Map

### 9.2.1 Change E-Map mode

Turns into E-Map edit mode by clicking E-Map monitoring mode button.



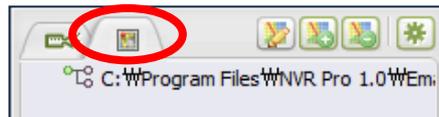
Monitoring Mode



Edit Mode

### 9.2.2 Display registered Map

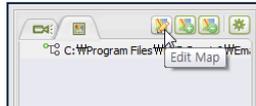
Click E-Map list button to see registered map.



### 9.2.3 Add Map

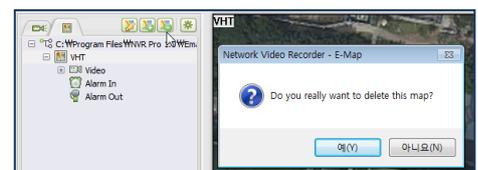
- A. Click add Map(  ) button or click on blank map window.
- B. Enter Map name and define the image path to create new Map.

### 9.2.4 Edit Map

- A. Select map from the E-map list. 
- B. Click Edit Map(  ) button.
- C. Edit map name and change image path. Then click 'OK' button to finish. 

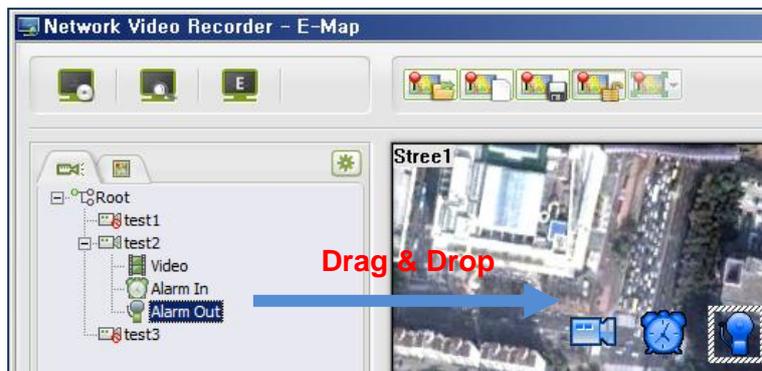
### 9.2.5 Delete Map

- A. Select map from the E-map list.
- B. Click Delete Map (  ) button.



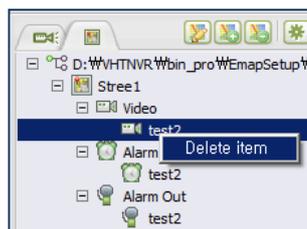
9.2.6 To add items on the map.

- A. Click server list and connect server.
- B. Then Video, Alarm In and Alarm Out will activated.
- C. Drag and Drop these items on the map as shown below.



9.2.7 To delete items from the map

- A. Select item on the map and click right button of mouse. Then select 'Delete item'.
- B. Or select item on the map list and click right button of mouse. Then select 'Delete item'.



9.2.8 To move map item

Map items can be moved by drag and drop.

9.2.9 Save map

Save map by clicking 'Save Map' button. File name will be "\*.map"



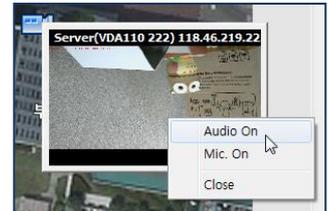
9.2.10 Open map

Open map by clicking 'Map Open' button.



### 9.2.11 Pop-up Live Video on the map

- A. Connect camera and turn E-Map into monitoring mode by clicking 'Map monitoring mode' (  )' button.
- B. Double click the camera icon on the map and then live video will pop up
- C. By clicking right button of mouse on the pop-up video, you may turn on audio and microphone as shown in the figure. Or you may close pop-up video as well.

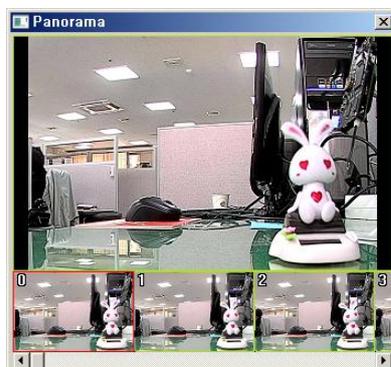


### 9.2.12 Setup Event Link

- A. Before setting up event link, please make sure E-Map is 'Edit mode'.
- B. Select Map icon to setup event link and click Right button of mouse.
- C. Check on 'Enable'.
- D. Check on the sub menus of 'Popup Video', 'PTZ Preset' and 'Sound Play', respectively.
- E. After setting all above items, click 'OK'.



- \* Duration under 'Pop-up Video' means the lasting time of pop-up video. Duration can be set as 'Continuous' or 15~60 seconds.
- \* Run Panorama shows sequence of pre/post-event video image when event triggered.



### 9.2.13 Setup Event Link for Alarm-In

This function enables event link for camera and 'Alarm-in' or 'Alarm-out' that is inside the set area.

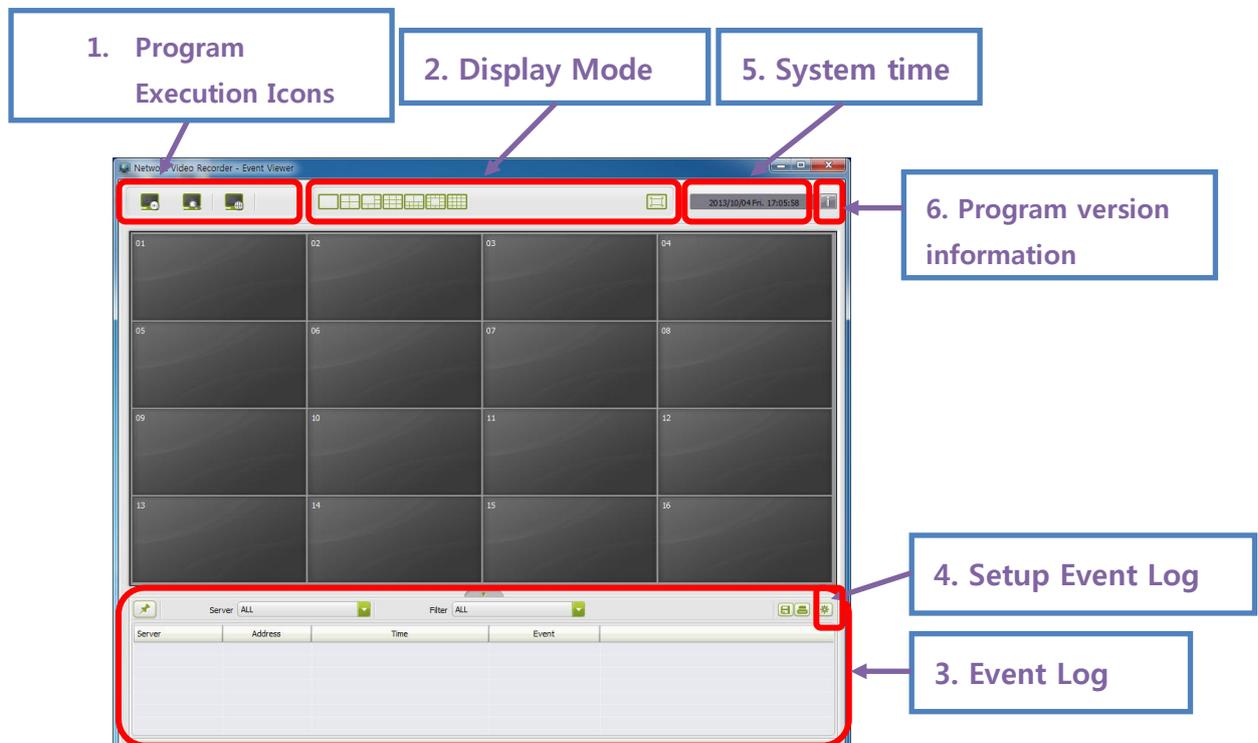
- A. Turn E-Map into 'Edit' mode.
- B. Select 'Alarm-In' area on the map.
- C. Click right button of mouse. Then context menu will pop-up.
- D. Select 'Event Link' for 'Event link item list'.



- E. Select video and click 'Action' button, 'OK' button respectively.

## 10.NVR Client Event Viewer

### 10.1 User Interface



### 10.1.1 Program Execution Icons

-  NVR Client Live
-  NVR Client Playback
-  NVR Client E-Map

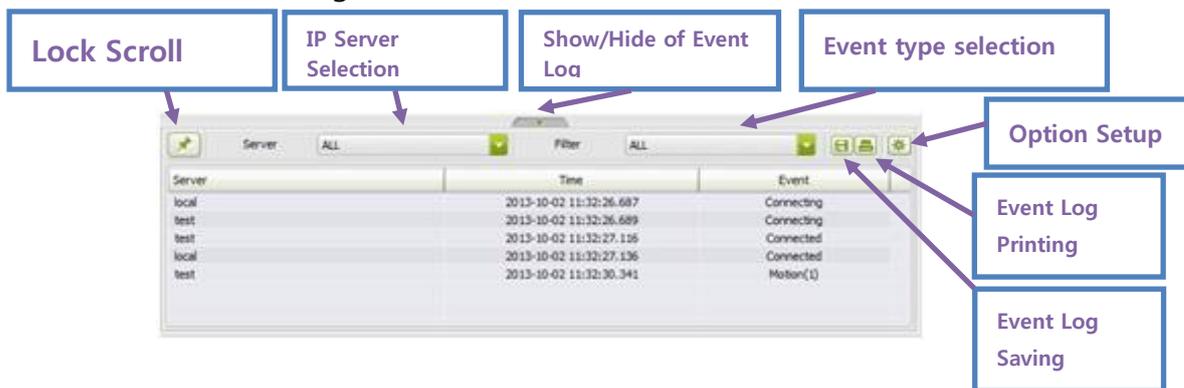
### 10.1.2 Display mode



Up to 64 channel, 11 types of display mode.

Full screen mode  are available.

### 10.1.3 Event Log



The screenshot shows the Event Log window with the following callouts:

- Lock Scroll
- IP Server Selection
- Show/Hide of Event Log
- Event type selection
- Option Setup
- Event Log Printing
- Event Log Saving

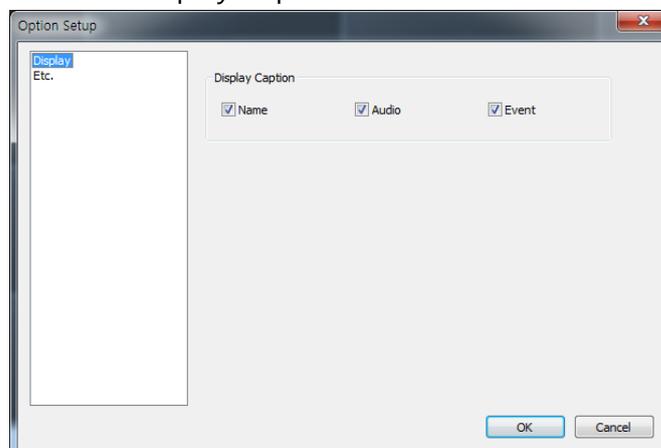
Server	Time	Event
local	2013-10-02 11:32:26.687	Connecting
test	2013-10-02 11:32:26.689	Connecting
test	2013-10-02 11:32:27.116	Connected
local	2013-10-02 11:32:27.136	Connected
test	2013-10-02 11:32:30.341	Motion(1)

### 10.1.4 Setup Event Log

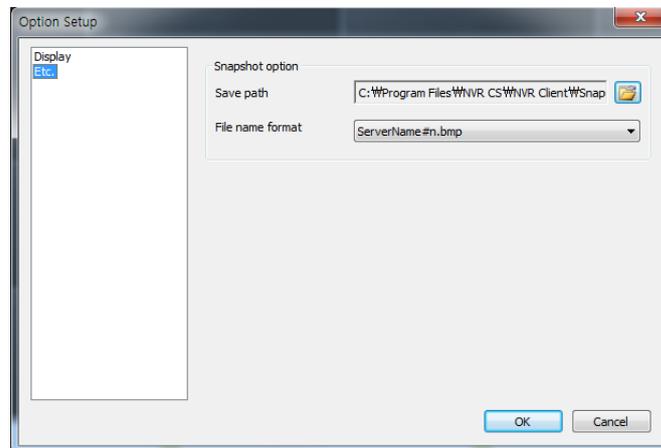
Click 'Option Setup' button on the top right of event info window and setup window will be opened.

#### A. Display Option

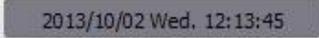
Check on Display Caption.



B. ETC Option  
Define snapshot option.

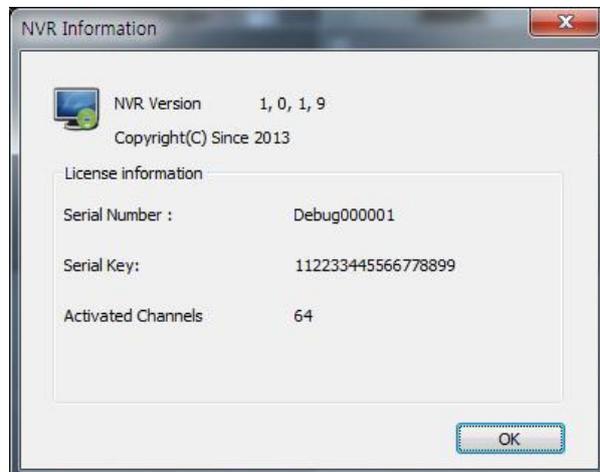


10.1.5 System Time

 : Display System Time.

10.1.6 Program version information

Click  to see Program version information as shown below.

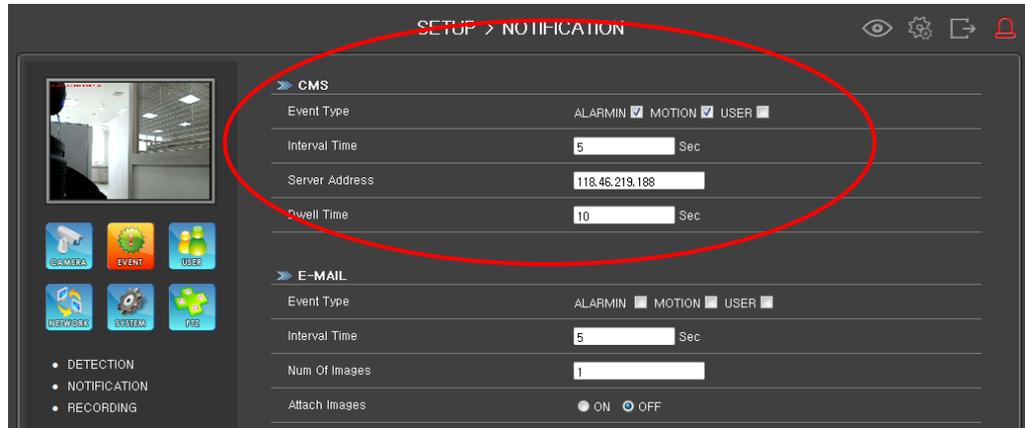


## 10.2 Running Event Viewer

### 10.2.1 Event view registration

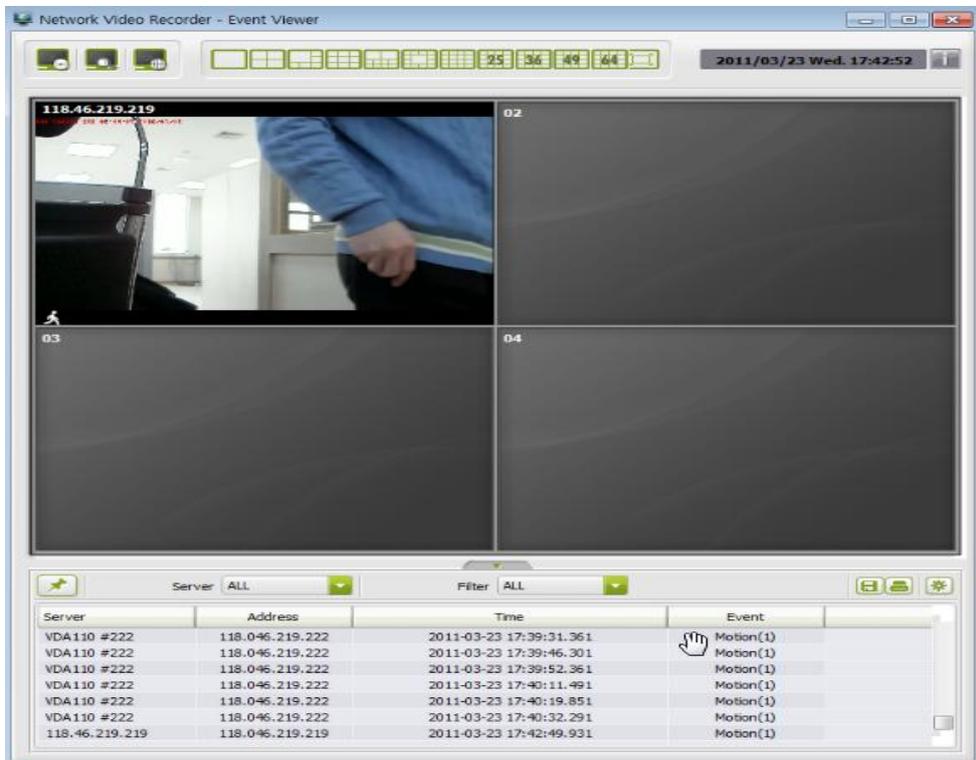
A. Connect to IP camera and set emergency as below.

Configuration → Event → Notification → Check and enter related info on CMS



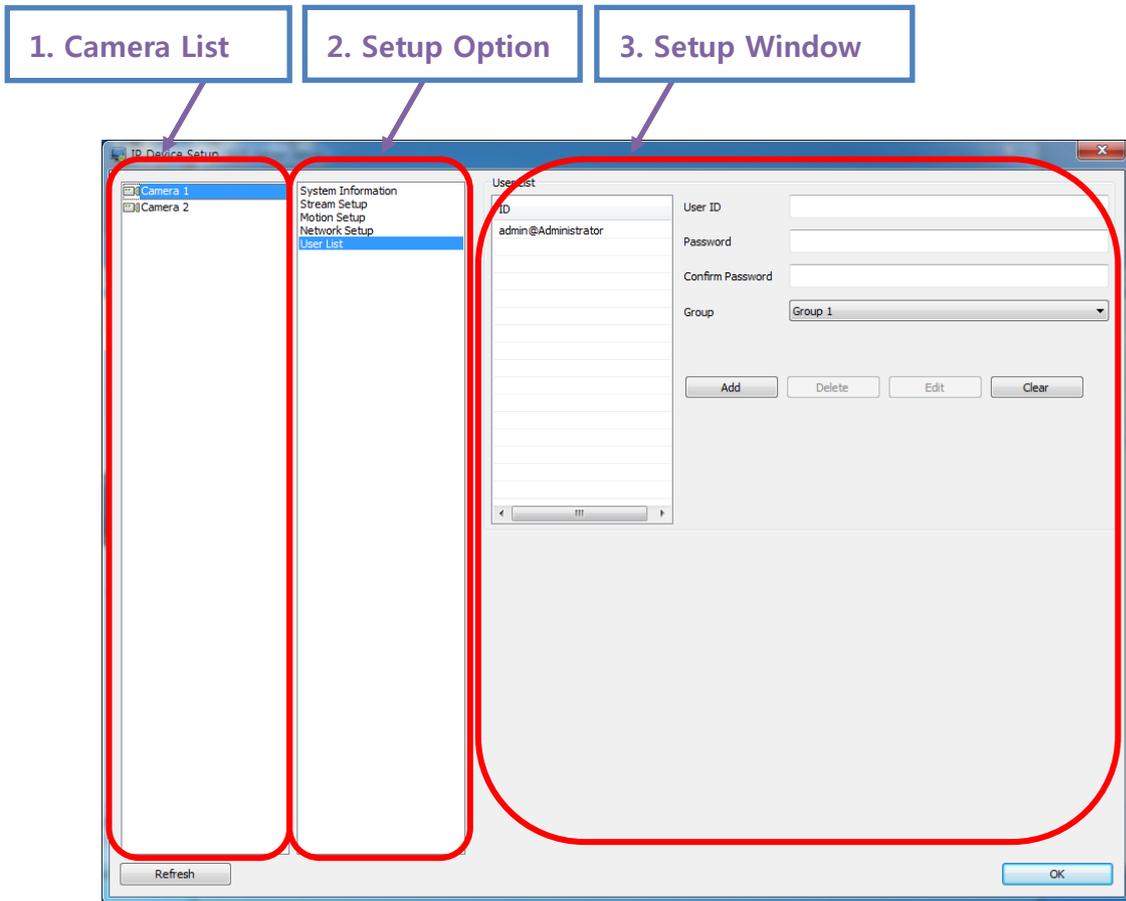
B. When emergency happens, event log will appear on event log window and event video will appear on the screen during the defined 'Dwell Time'.

Video will show on the first blank screen.



## 11. NVR Client Camera Setup

### 11.1 User Interface

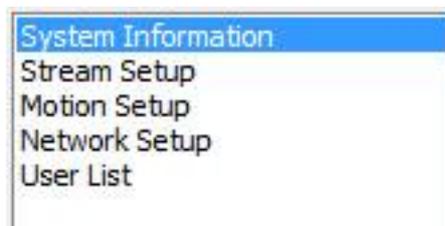


#### 11.1.1 Camera List

Registered cameras appear on the list.

#### 11.1.2 Setup Option

Setup Options are listed as shown below.



### 11.1.3 Setup window

Check on one of setup option and setup window will be opened.

#### A. System Information

The screenshot shows two stacked configuration panels. The top panel, titled 'System Information', contains fields for 'Firmware Version' (VISION 1.1.3.4 20130628), 'Model Type' (VISION AM3TI), and 'Video format' (NTSC). The bottom panel, titled 'Network Information', contains fields for 'Connection Type(IPv4)' (Static), 'IPv4 Address' (118.46.219.211), 'IPv4 Subnet Mask' (255.255.255.0), 'IPv4 Gateway' (118.46.219.254), and 'MAC Address' (00:26:e6:00:18:48). Red rounded rectangles highlight each panel, and blue callout boxes with arrows point to them from the right.

System Information	
Firmware Version	VISION 1.1.3.4 20130628
Model Type	VISION AM3TI
Video format	NTSC

Network Information	
Connection Type(IPv4)	Static
IPv4 Address	118.46.219.211
IPv4 Subnet Mask	255.255.255.0
IPv4 Gateway	118.46.219.254
MAC Address	00:26:e6:00:18:48

#### B. Stream Setup

The screenshot shows a video stream setup interface. At the top is a video display window showing a hallway. Below it are several configuration sections: 'Stream Type' (Dual), 'Codec Combo' (H.264+MJPEG), 'Resolution Combo' (H.264:1920x1080+MJPEG:640x480), and 'Rate Control' (CVBR). The 'First H.264 Stream' section includes 'Bitrate' (4000000 bits/s), 'Frame Rate' (30 FPS), and 'G.O.P' (30). The 'MJPEG Setting' section includes 'Frame Rate' (30 FPS). Red rounded rectangles highlight each section, and blue callout boxes with arrows point to them from the right.

Video Display

Stream Setup

H.264 Stream Setup

MJPEG Setting

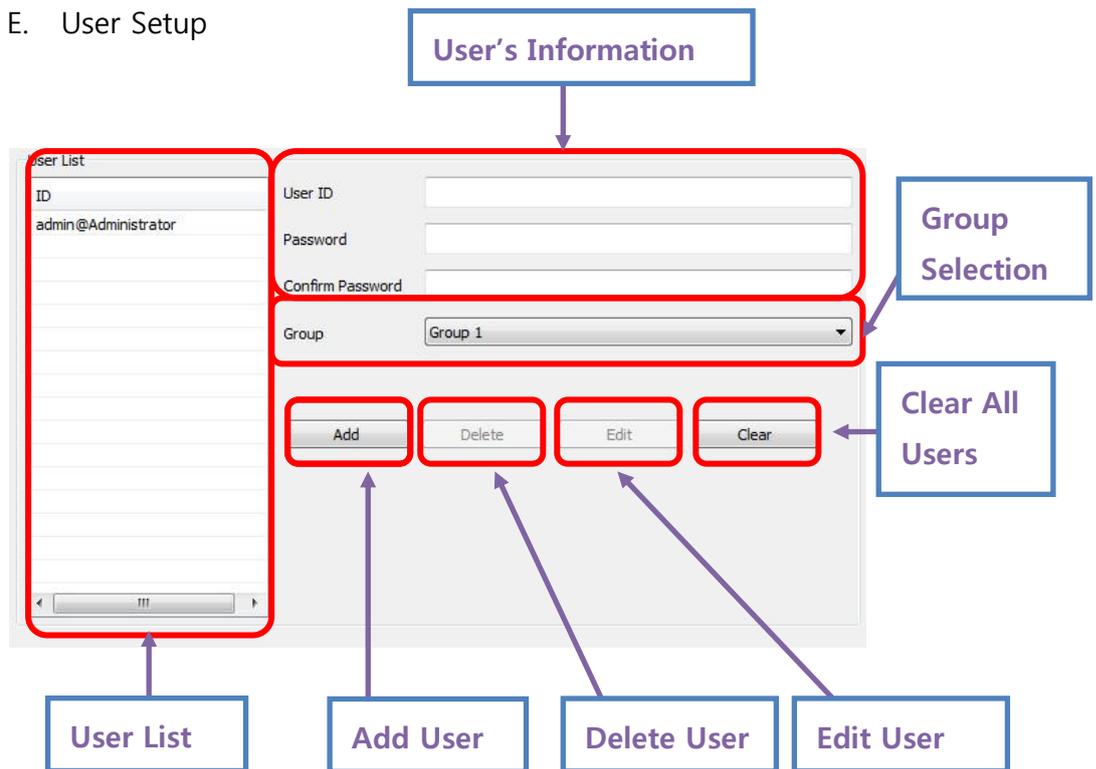
### C. Motion Setup

The screenshot shows the 'Motion detection' configuration window. At the top, there are three controls: a dropdown menu set to 'LEVEL 3', a 'Full Area' button, and a 'Clear All' button. Below these is a video feed of an office interior with a green grid overlay. Callout boxes with arrows point to these elements: 'Motion Detection Sensitivity Setting' points to the 'LEVEL 3' dropdown; 'Select Full Area' points to the 'Full Area' button; 'Clear All Area' points to the 'Clear All' button; and 'Motion Areas Window' points to the video feed area.

### D. Network Setup

The screenshot shows the 'Network Setup' configuration window. It has three main sections, each highlighted with a red box and a callout: 1. 'Use DHCP IP' section with a radio button selected. 2. 'Static IP Setting' section with input fields for IP Address (118 . 46 . 219 . 211), Subnet Mask (255 . 255 . 255 . 0), and Default Gateway (118 . 46 . 219 . 254). 3. 'DNS Setting' section with input fields for First DNS Server (168 . 126 . 63 . 1) and Second DNS Server (168 . 126 . 63 . 2).

## E. User Setup



VISION IP Video offers a complete line-up of network video products and solution.

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