

# FlexWATCH®

## Smart Alarm Viewer



# Copyright Information

Copyright 2016 Seyeon Tech Co., Ltd. All rights reserved. Use of this product and manual is subject to license. Information in this document is subject to change without notice. FlexWATCH® is registered trademark of products of Seyeon Tech Co., Ltd. All other brand and product names mentioned in this document are registered trademarks or trademarks of their respective holders. The Software supplied with these Products is provided under license from Seyeon Tech Co., Ltd.

# GNU General Public License Information

This product includes certain open source or other software originated from third parties that is subject to the GNU General Public License (GPL), GNU Library/Lesser General Public License (LGPL), and different and/or additional copyright licenses, disclaimers, and notices. The exact terms of GPL, LGPL, and some other licenses are provided to you with this product. Please refer to the exact terms of the GPL and LGPL at <http://www.fsf.org> (Free Software Foundation) or <http://www.opensource.org> (Open Source Initiative) regarding your rights under said license. In accordance with the terms of the GPL and LGPL, you may obtain a copy of the relevant source code by sending your request to [sales@flexwatch.com](mailto:sales@flexwatch.com). Subject to GPL, you may re-use, re-distribute and modify the GPL source code. Note that with respect solely to the GPL Software, no warranty is provided. We do not offer direct support for the distribution. This offer is valid for up to three years from the date of original purchase of the Product.



## Precaution on MicroSD Card

Do not use force, a thin stick or tweezers to remove the microSD card. If you cannot remove the microSD card, contact customer support.

To prevent any data damage, follows the below caution. We do not provide any guarantee for damaged data

- Do not remove a memory card or Do not turn off the IP Camera while reading or writing data,
- Do not operate the IP Camera in the location where static charge or electrical noise is present.

Do not remove the microSD card while IP Camera is recording. Disable the Recording configuration first and then turn off the IP Camera before removing microSD card. Do not insert a deformed microSD card into the Reader.

Do not try to access microSD card extracted from IP Camera on Windows PC or other devices. If Linux file system like ext3, ext4 is not installed, It may destroy all data of microSD card.

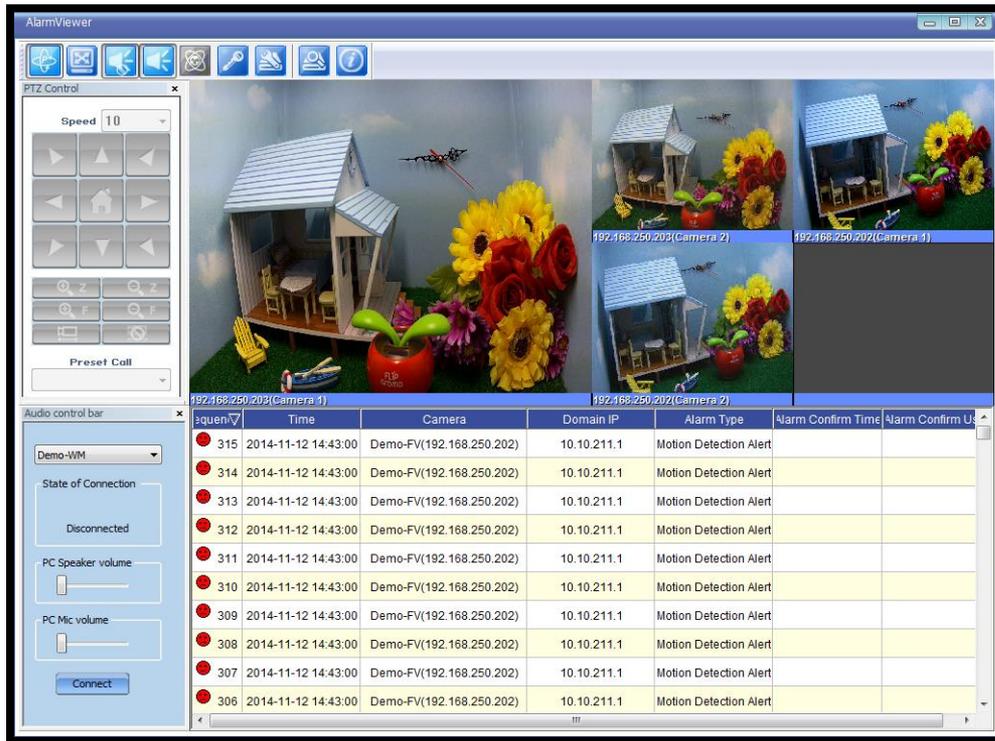
Regular maintenance by formatting microSD card in every 6 months is highly recommended as microSD card could be damaged by physical, or electrical characteristics. or its file system may be fragmented, resulted in degradation in performance by repeated access.

Formatting microSD card will delete all files stored on it. You may use FlexWATCH SmartPlayer to back up the recorded video stream as AVI file before formatting

# Contents

## Smart Alarm Viewer

1. What's Smart Alarm Viewer ?
2. Smart Alarm Viewer Installation
3. Smart NVR Configuration for Smart Alarm
4. Smart Alarm Viewer Overview
5. Smart Alarm Viewer Toolbar
6. Smart Alarm Viewer Configuration
7. Smart Alarm Viewer Event Log
8. Smart Alarm Viewer Log Search



# What's Smart Alarm Viewer?

Smart Alarm Viewer is an application program can receive data of alarm & event configured in Smart NVR and display data of alarm & event

# Smart Alarm Installation

Download From FlexWATCH® Website  
(Only Avail in [www.flexwatch.co.kr](http://www.flexwatch.co.kr))



[www.flexwatch.co.kr](http://www.flexwatch.co.kr)

FlexWATCH Homepage

- ▶ Support
- ▶ Download
- ▶ Software
- ▶ Smart Alarm Viewer



The screenshot shows the FlexWATCH website's support page. The navigation menu includes '고객지원' (Customer Support), which is highlighted with a red box. A red arrow points from this menu to a dropdown menu containing '다운로드' (Download), also highlighted with a red box. Another red arrow points from '다운로드' to the '소프트웨어' (Software) sub-item, which is also highlighted with a red box. A final red arrow points from '소프트웨어' to the 'Smart Alarm Viewer (V1.0.0.5)' entry in the download list, which is highlighted with a red box.

No	Subject	Writer	Date	Read	File
48	IP Installer (V3.0.13)	Admin	2014-04-28	132	
47	Smart NVR 9ch Lite (2.0.0.0)	Admin	2014-04-28	97	
46	Smart NVR (V2.0.0.0)	Admin	2014-04-28	99	
45	Smart NVR 경기관 (V2.0.0.0)	Admin	2014-04-28	95	
44	Smart Viewer (V1.9.0.0)	Admin	2013-12-24	755	
43	Smart Player (V1.4.0.0)	Admin	2013-12-24	560	
42	Smart Multi Viewer Player (V1.0.0.14)	Admin	2013-12-24	493	
41	Smart Player (V1.3.0.0)	Admin	2013-11-06	589	
40	Smart Viewer (V1.8.0.0)	Admin	2013-11-06	667	
39	Smart Multi Viewer Player (V1.0.0.13)	Admin	2013-11-06	557	
38	Smart NVR 9ch Lite (V1.3.0.6)	Admin	2013-08-27	806	
37	Smart NVR (V1.3.0.6)	Admin	2013-08-27	779	
36	Smart NVR 경기관 (V1.3.0.6)	Admin	2013-08-27	713	
35	Smart MAP Viewer (V1.0.0.3)	Admin	2013-08-27	655	
34	Smart Alarm Viewer (V1.0.0.5)	Admin	2013-08-27	649	

# Smart NVR Server IP Address Configuration

**There will a notice to put IP address of Smart NVR Server  
During installation of Smart Alarm Viewer**

**Default : 127.0.0.1 Local Loop Back IP Address**

**[ Install Smart NVR and Alarm Viewer in same PC ]  
Use the default Local Loop Back IP Address (127.0.0.1)**

**[ Install Alarm Viewer in different PC Smart NVR is installed ]  
Use IP address of PC Smart NVR is installed**

**- IP address can be configurable -**

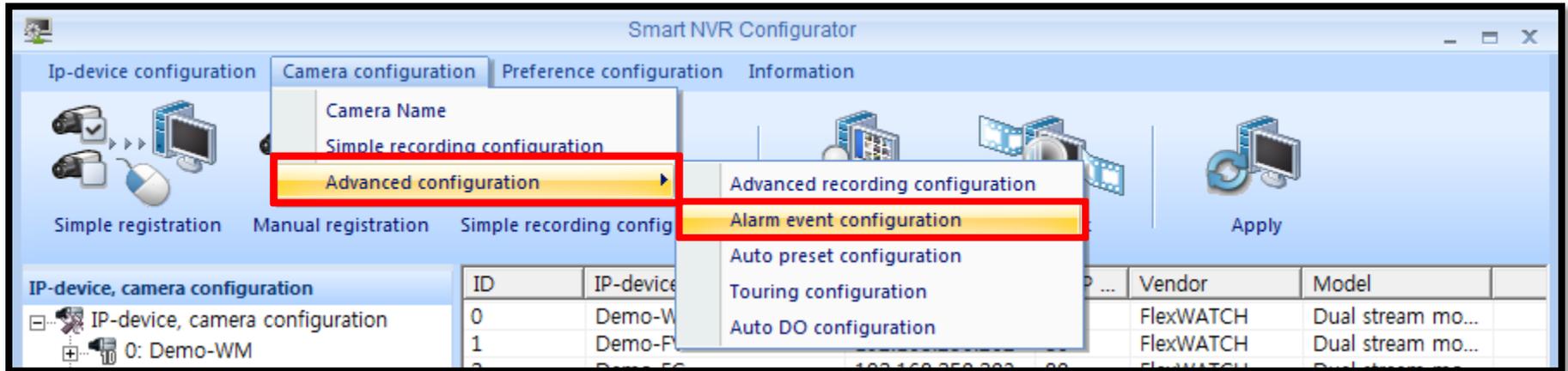
# Smart Alarm Viewer Overview

The screenshot displays the AlarmViewer software interface. On the left, there is a PTZ Control panel with a speed slider set to 10 and various directional and zoom controls. Below it is an audio control bar for 'Demo-WM' showing a disconnected state and volume sliders for PC Speaker and PC Mic. The main area features a large PTZ camera view of a dollhouse with a blue roof and a red flower pot in the foreground. To the right, there are four smaller camera views showing different angles of the same scene. At the bottom, a table lists a series of 'Network Error Alert' events.

Sequence	Time	Camera	Domain IP	Alarm Type	Alarm Confirm Time	Alarm Confirm User
22	2014-11-12 16:36:00	Demo-FC(192.168.250.203)	10.10.211.1	Network Error Alert		
21	2014-11-12 16:36:00	Demo-FC(192.168.250.203)	10.10.211.1	Network Error Alert		
20	2014-11-12 16:35:00	Demo-FC(192.168.250.203)	10.10.211.1	Network Error Alert		
19	2014-11-12 16:35:00	Demo-FC(192.168.250.203)	10.10.211.1	Network Error Alert		
18	2014-11-12 16:34:00	Demo-WM(192.168.250.201)	10.10.211.1	Network Error Alert		
17	2014-11-12 16:34:00	Demo-WM(192.168.250.201)	10.10.211.1	Network Error Alert		
16	2014-11-12 16:33:00	Demo-WM(192.168.250.201)	10.10.211.1	Network Error Alert		
15	2014-11-12 16:33:00	Demo-WM(192.168.250.201)	10.10.211.1	Network Error Alert		
14	2014-11-12 16:32:00	Demo-FV(192.168.250.202)	10.10.211.1	Network Error Alert		
13	2014-11-12 16:32:00	Demo-FV(192.168.250.202)	10.10.211.1	Network Error Alert		
12	2014-11-12 16:31:00	Demo-FV(192.168.250.202)	10.10.211.1	Network Error Alert		
11	2014-11-12 16:31:00	Demo-FV(192.168.250.202)	10.10.211.1	Network Error Alert		
10	2014-11-12 16:30:00	Demo-WM(192.168.250.201)	10.10.211.1	Network Error Alert		
9	2014-11-12 16:30:00	Demo-WM(192.168.250.201)	10.10.211.1	Network Error Alert		
8	2014-11-12 16:30:00	Demo-WM(192.168.250.201)	10.10.211.1	Network Error Alert		

# Configuration in Smart NVR

Need to configure Alarm event service in Smart NVR before using Smart Alarm



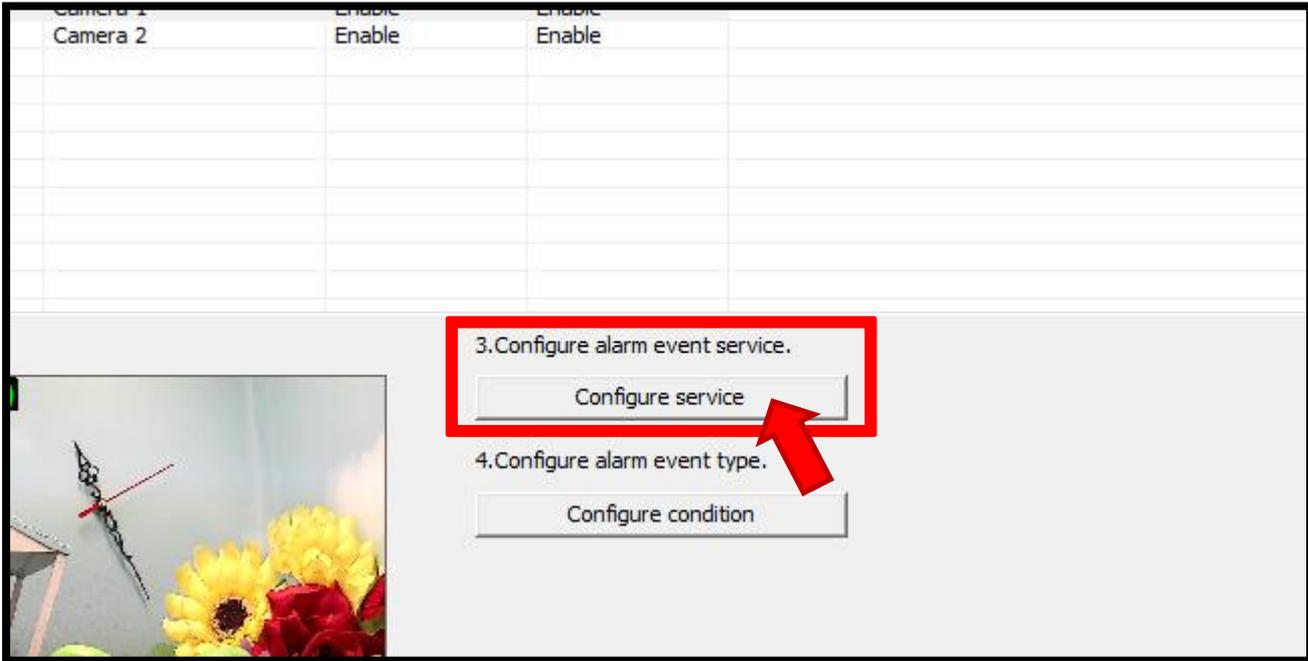
Smart NVR ► Camera Configuration ► Advanced Configuration ► Alarm event configuration



# Configuration in Smart NVR

ID	IP-device name	Camera name	Alarm service	Event service	
0	Demo-WM	Camera 1	Enable	Enable	
0	Demo-WM	Camera 2	Enable	Enable	
1	Demo-FV	Camera 1	Enable	Enable	
1	Demo-FV	Camera 2	Enable	Enable	
2	Demo-FC	Camera 1	Enable	Enable	
2	Demo-FC	Camera 2	Enable	Enable	

Choose camera ( Multi cameras Selectable) ► Click “Configure service”



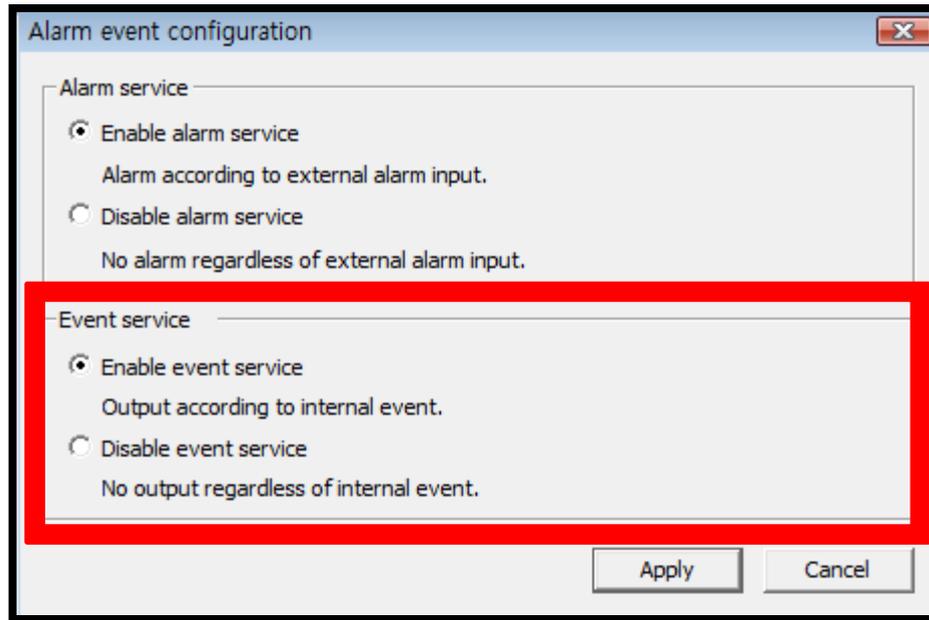
The screenshot displays the configuration interface for a camera. At the top, a table shows the configuration for two cameras: Camera 1 and Camera 2. Below the table, a configuration panel is visible. The panel includes a video preview window on the left showing a scene with a windmill and flowers. On the right, there are two main configuration steps: '3. Configure alarm event service.' and '4. Configure alarm event type.'. The 'Configure service' button under step 3 is highlighted with a red box, and a red arrow points to it.

Camera 1	Enable	Enable	
Camera 2	Enable	Enable	

3. Configure alarm event service.  
Configure service

4. Configure alarm event type.  
Configure condition

# Configuration in Smart NVR

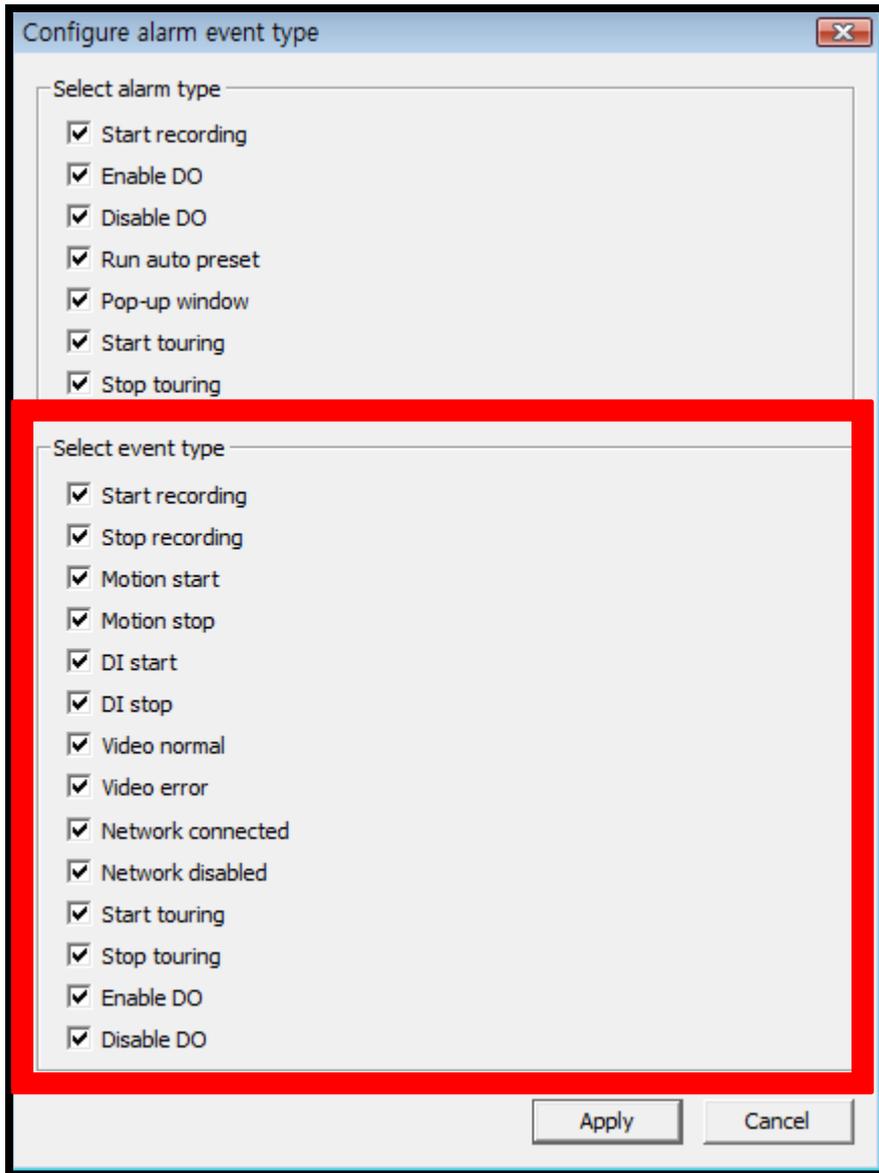


Select Enable or Disable Event service

[ NOTE ]  
Event Service is not related with **Alarm Viewer**



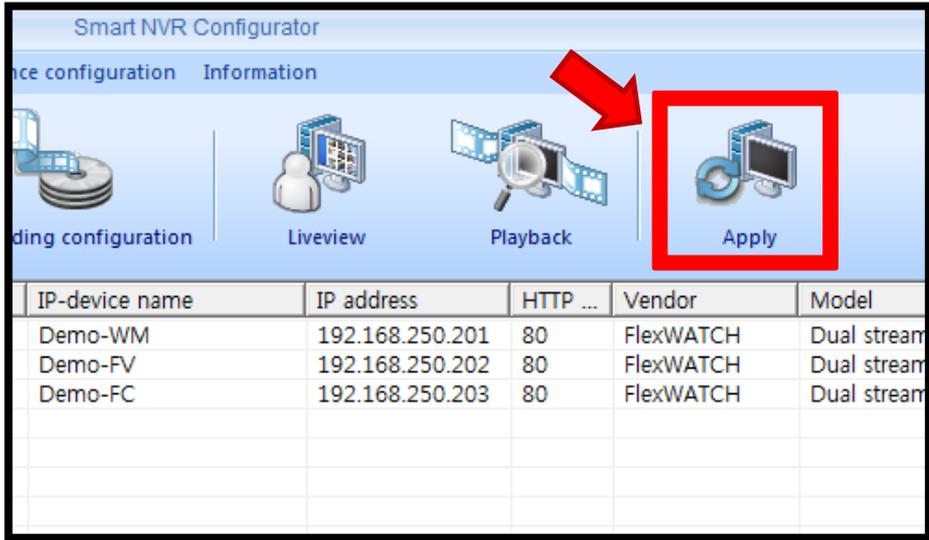
# Configuration in Smart NVR



# Configuration in Smart NVR



When the configuration is done,  
Click "Apply" Button



Click " Apply" to apply the  
configuration and  
NVR System will restart

# Smart Alarm Viewer Overview

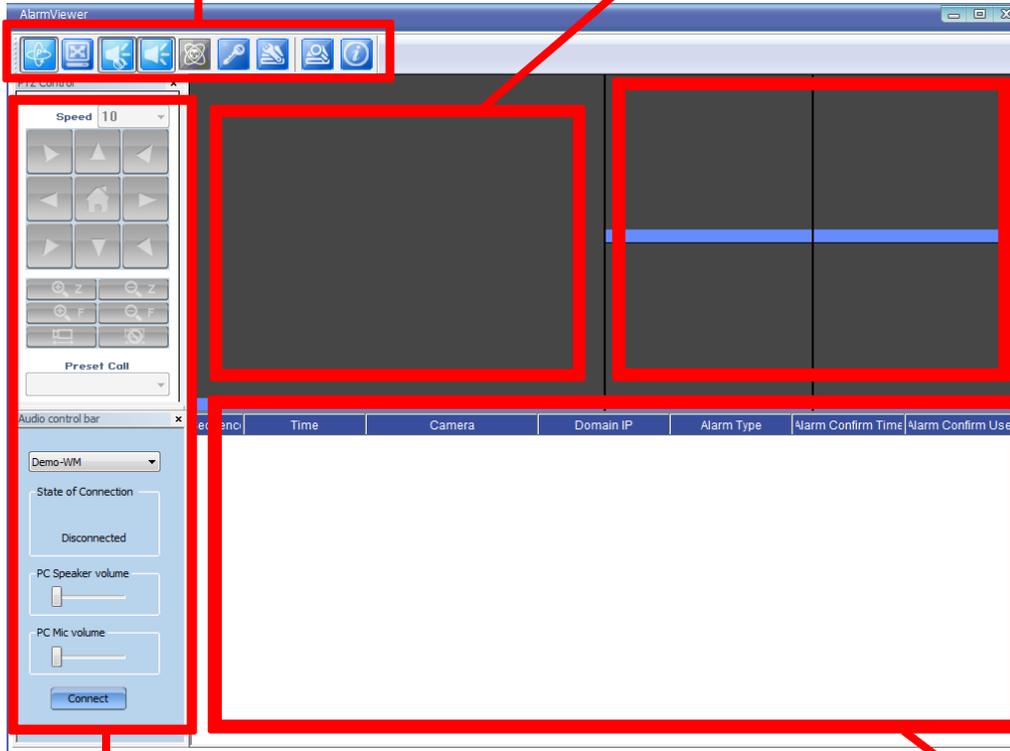
The screenshot displays the AlarmViewer application interface. On the left, there is a PTZ Control panel with a speed slider set to 10, directional movement buttons, and PTZ Move Mode set to Continuous. Below this is an audio control bar showing a disconnected state and volume sliders for PC Speaker and PC Mic. The main area features a large video feed of a miniature house with a blue roof and a red flower pot, with smaller thumbnail views of the same scene from different camera angles. At the bottom, an alarm log table provides a detailed record of events.

Sequence	Time	Camera	Domain IP	Alarm Type	Alarm Confirm Time	Alarm Confirm User	NVR ID
70	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
69	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
68	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
67	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
66	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Record Start Alert			1
65	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Record Start Alert			1
64	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
63	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
62	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Record Start Alert			1
61	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Record Start Alert			1
60	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
59	2014-11-12 19:00:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
58	2014-11-12 18:59:00	Demo-FC(192.168.250.203)	10.10.211.1	Record Start Alert			1
57	2014-11-12 18:59:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
56	2014-11-12 18:59:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1
55	2014-11-12 18:59:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert			1

# Smart Alarm Viewer Overview

Main Toolbar for Video Control

Live View



When multiple alarms are triggered, each video will be displayed one by one in sequence

When an alarm is triggered, the camera information is displayed on this area  
Double click the camera will display the video above and enable the PTZ and 2wat audio communication

PTZ Control Bar  
Audio Control Bar  
These will be shown by default when started

# Smart Alarm Viewer Toolbar

	Items	Descriptions
	Show/Hide PTZ Control Bar	Choose to display or hide the PTZ Control bar
	Show Full/Normal Screen	Enable or disable full-screen mode for alarm viewer
	Alarm Sound On/Off	Enable or disable alarm sound on alarm
	Show/Hide Audio Control Bar	This shows the availability of audio communication for the selected camera.
	Touring Start/Stop	(This feature is not used in alarm viewer program)
	Alarm Event Show/Hide	Temporarily disable the reception of alarm signal
	Show Configuration Menu	Open the configuration window for alarm viewer
	Show/Hide Log Search Control Bar	Enable or disable to display the alarm log. Time-based search can be done in this log.
	About Alarm Viewer	Shows the program information of Alarm viewer.

# Smart Alarm Configuration

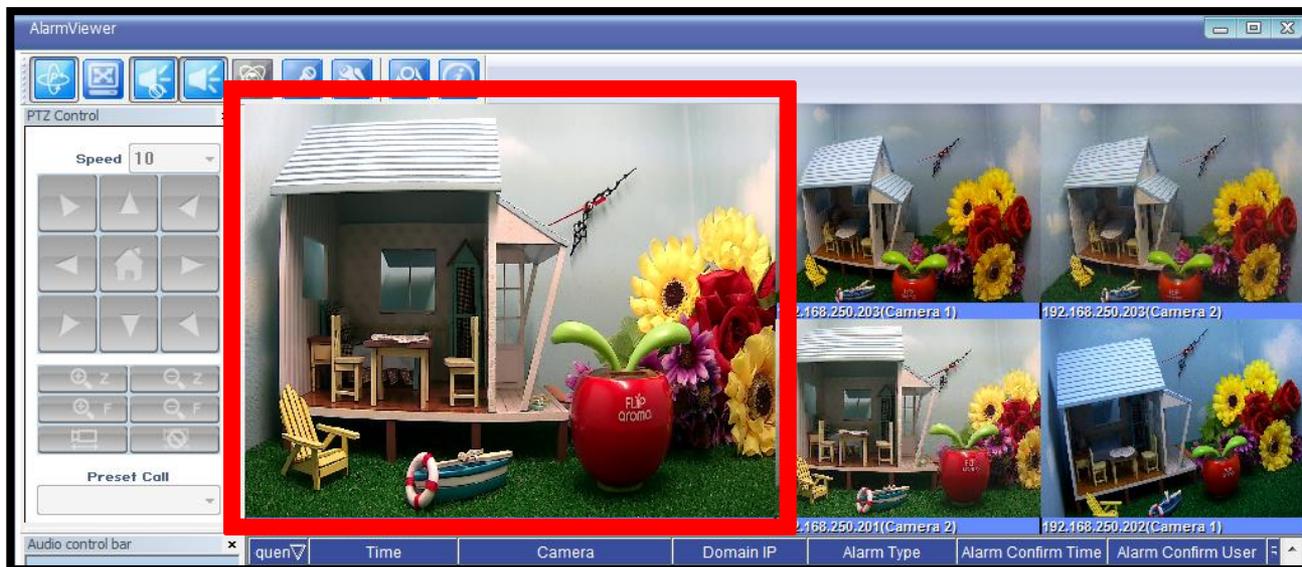
Item	Description
Configure Alarm Sound	<b>File</b> : Choose an audio file for the alarm sound. <b>Alarm Sound Play</b> : Set how many times the alarm sound will be played back.
<b>Config Player</b>	<b>Play Start Time</b> : The time length of how many seconds will be wound up from this point upon the alarm signal. (For example, if 30 is set, the starting point of the video will be 30-second earlier.) <b>Play Period</b> : The duration of the video to be played.
<b>Config Touring</b>	<b>Not support in Alarm Viewer</b>
<b>Last Alarm Popup</b>	<b>Not support in Alarm Viewer</b>
<b>MainView Resize</b>	Set size of display window 0 : Default Size 1 ~ : Resize display window
<b>Display popup resize</b>	<b>Not support in Alarm Viewer</b>
<b>Live Viewer</b>	<b>Display Mode</b> Live Mode : Display live video Still Mode : Display still image <b>Display Time</b> : Time of display (2~5sec)

# Pop-up Menu on Event Log

9	2014-11-12 16:30:00	Demo-WM(192.168.250.201)	10.10.211.1	Network Error Alert
8	2014-11-12 16:30:00	Demo-WM(192.168.250.201)	10.10.211.1	
7	2014-11-12 16:30:00	Demo-WM(192.168.250.201)	10.10.211.1	
6	2014-11-12 16:10:00	Demo-FC(192.168.250.203)	10.10.211.1	
5	2014-11-12 16:10:00	Demo-FC(192.168.250.203)	10.10.211.1	

- Live View
- Audio Selection
- Player
- Confirm alarm
- Delete Alarm List

Choose a event in the list and click right button of mouse, a pop-up menu will be shown



[ Live View ] – Display live video of selected camera (Event)

# Pop-up Menu on Event Log

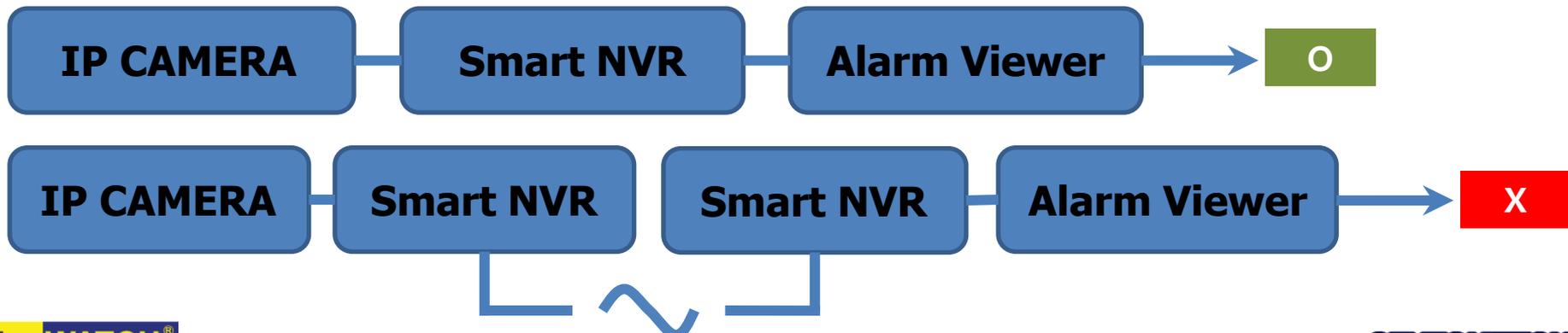
[ Audio Selection ] – Enable two-way audio with selected camera

*< Notice >*

*If Enable Audio, Alarm Viewer connect the camera directly*

*Case 1) IP Camera – Smart NVR – Alarm Viewer  
⇒ Support Two-way audio*

*Case 2) IP Camera – Smart NVR ----- Smart NVR – Alarm Viewer  
=> Not support Two-way audio*



# Pop-up Menu on Event Log

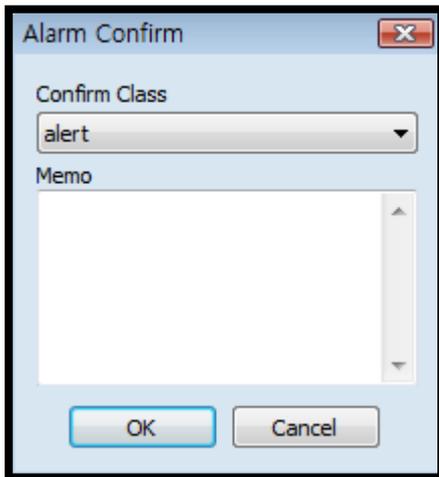


[ Player ] – Playback recorded video for the selected camera  
(Play in Pop up window)

( Search Condition : Date and Time )

Put Search condition to Playback and click  button, and start searching

# Pop-up Menu on Event Log



Alarm Confirm

Confirm Class  
alert

Memo

OK Cancel

[ Alarm Confirm ]  
Confirm the alarm and write a memo

Sequence	Time	Camera	Domain IP	Alarm Type	Alarm Confirm Time	Alarm Confirm User
 20	2014-11-12 19:18:00	Demo-FC(192.168.250.203)	10.10.211.1	Record Start Alert		
 19	2014-11-12 19:18:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert		
 18	2014-11-12 19:18:00	Demo-FC(192.168.250.203)	10.10.211.1	Record Start Alert		
 17	2014-11-12 19:18:00	Demo-FC(192.168.250.203)	10.10.211.1	Motion Detection Alert	2014-11-12 19:20:03	root
 16	2014-11-12 19:18:00	Demo-FC(192.168.250.203)	10.10.211.1	Record Start Alert		

- When Alarm Confirm is done
1. ICON will be changed to smiling face in green
  2. Display Alarm Confirm Time and information of Alarm Confirm User

# Pop-up Menu on Event Log

Sequence	Time	Camera	Domain IP	Alarm Type	Alarm Confirm Time	Alarm Confirm User
----------	------	--------	-----------	------------	--------------------	--------------------

[ Delete Alarm list ] – Delete all the alarm log list

# Log Search



Log Search – Can search alarm type by time and camera

Log Search

Time

Start time 2014 11-11 15:57:26

End time 2014 11-12 15:57:26

Camera

192.168.250.201(Camera 1)

Search

Sequence	Time	Camera	Alarm Type	Alarm Confirm Time	Alarm Confirm User
----------	------	--------	------------	--------------------	--------------------

Log Search

Time

Start time 2014 11-11 15:57:26

End time 2014 11-12 23:57:26

Camera

192.168.250.201(Camera 1)

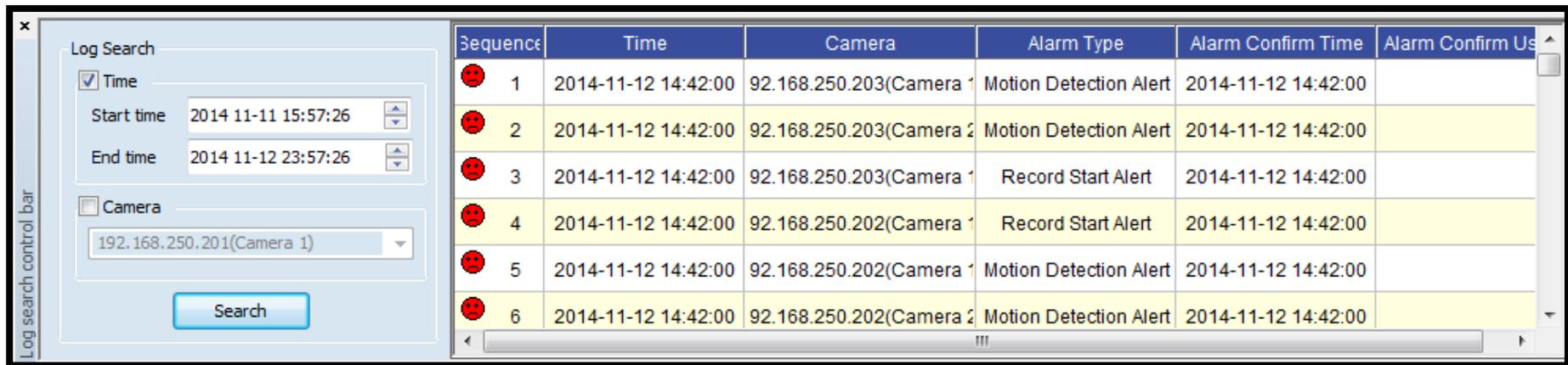
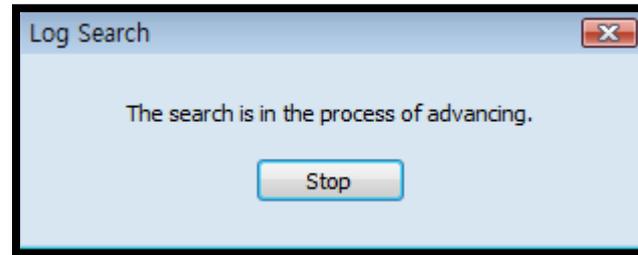
Search

Select search condition.

1. Time
2. Camera
3. Time + Camera.

Click "Search" button

# Log Search



Sequence	Time	Camera	Alarm Type	Alarm Confirm Time	Alarm Confirm Us
☹ 1	2014-11-12 14:42:00	92.168.250.203(Camera 1)	Motion Detection Alert	2014-11-12 14:42:00	
☹ 2	2014-11-12 14:42:00	92.168.250.203(Camera 2)	Motion Detection Alert	2014-11-12 14:42:00	
☹ 3	2014-11-12 14:42:00	92.168.250.203(Camera 1)	Record Start Alert	2014-11-12 14:42:00	
☹ 4	2014-11-12 14:42:00	92.168.250.202(Camera 1)	Record Start Alert	2014-11-12 14:42:00	
☹ 5	2014-11-12 14:42:00	92.168.250.202(Camera 1)	Motion Detection Alert	2014-11-12 14:42:00	
☹ 6	2014-11-12 14:42:00	92.168.250.202(Camera 2)	Motion Detection Alert	2014-11-12 14:42:00	

**Display alarm list in accordance with searching condition**  
**Choose a Alarm type and right click on the mouse, can check the video**