

FlexWATCH®

Smart Map Viewer



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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.

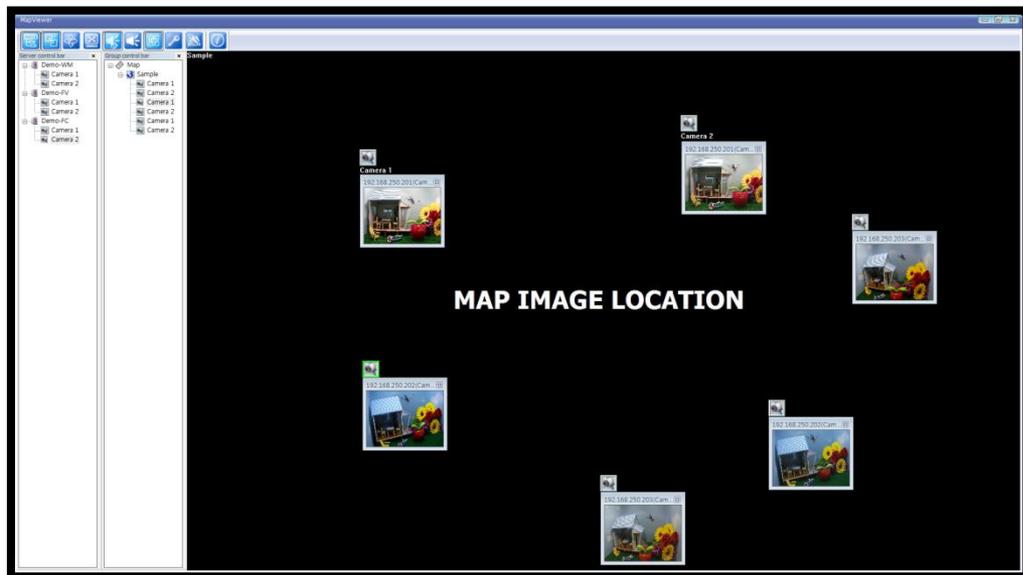
Regular maintenance by formatting microSD card in every 6 months is highly recommended as microSD card could be damaged by physical, or electrical characteristics. or its file system may be fragmented, resulted in degradation in performance by repeated access.

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

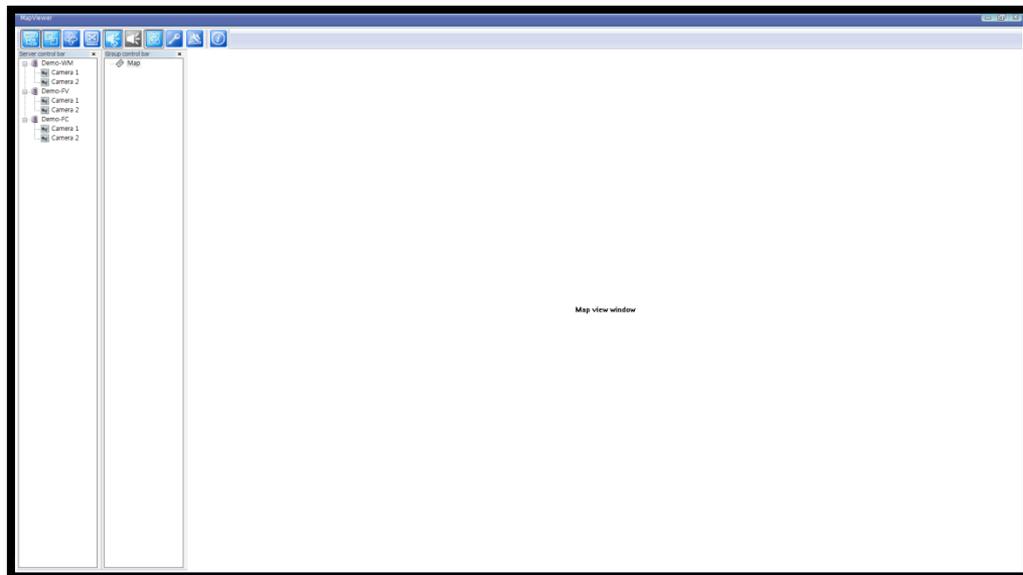
Smart Map Viewer

- What's Smart Map Viewer ?
- Installation
- Event Configuration
- Smart Map Viewer User Guide



What's Smart Map Viewer ?

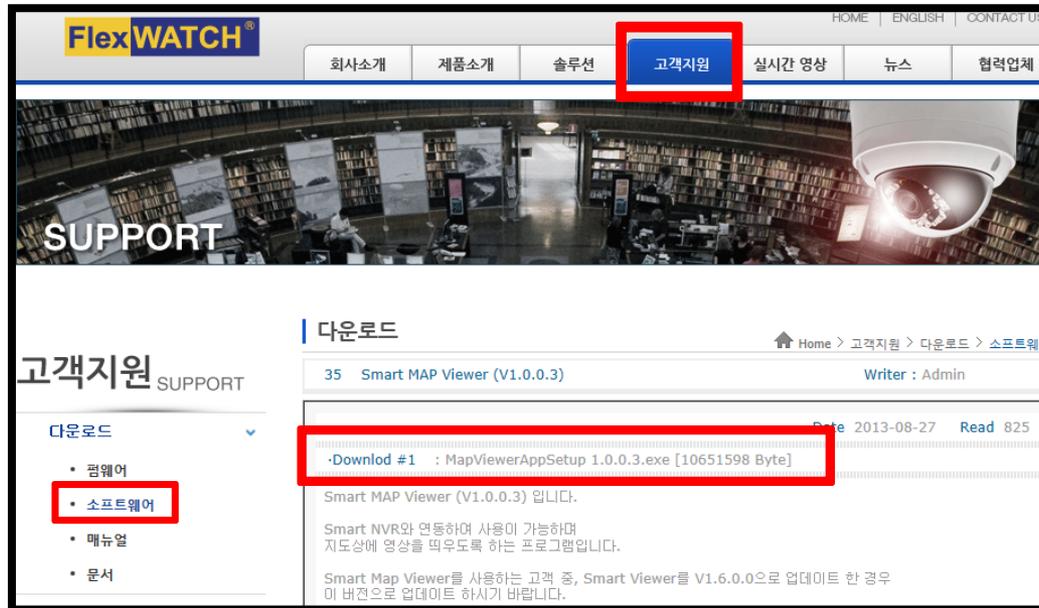
Smart Map Viewer is an application program can receive event data configured in Smart NVR and display live video in specific location of map.



Smart Map Viewer Installation

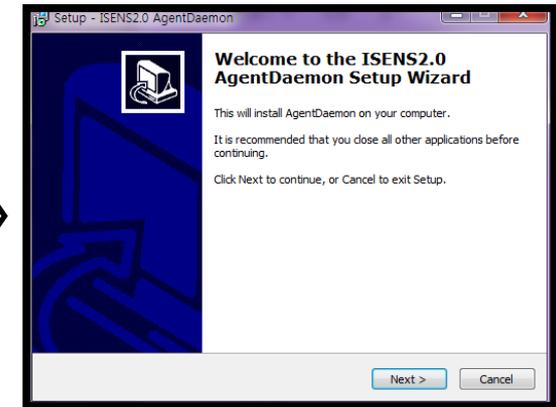
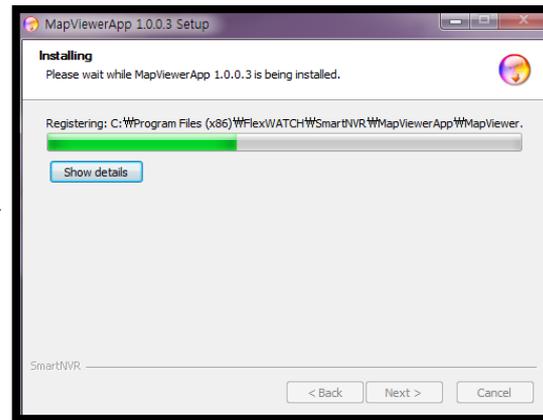
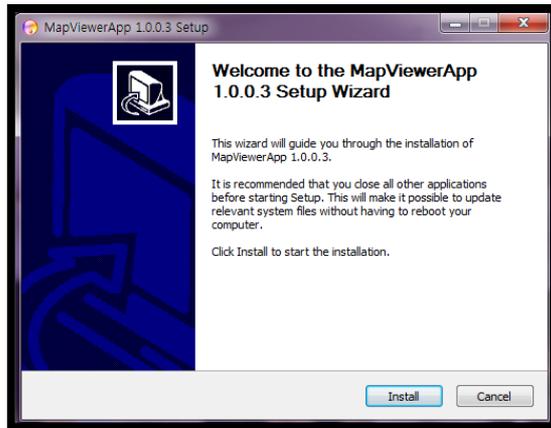
Installation

(Only Avail in www.flexwatch.co.kr)

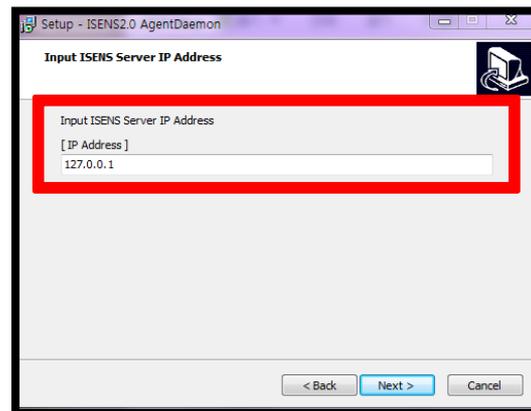
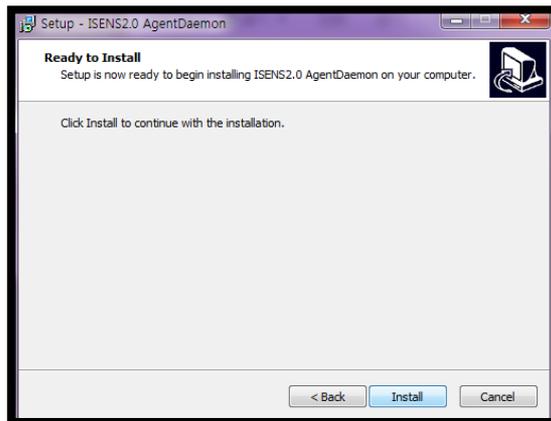


- 1) Connect FlexWATCH® website (www.flexwatch.co.kr)
- 2) Go to Support
- 3) Download - Software
- 4) Click Smart Map Viewer
- 5) Download Smart Map Viewer

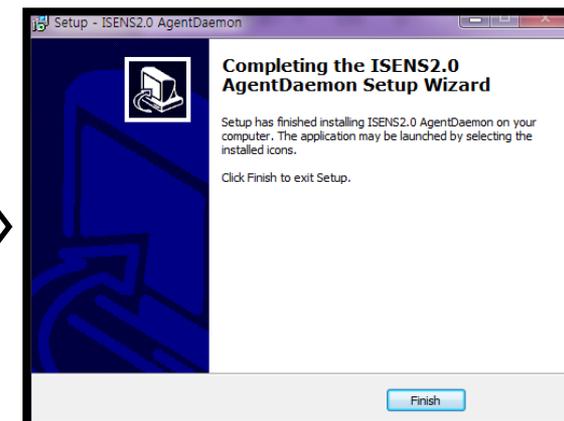
Smart Map Viewer Installation



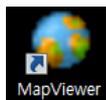
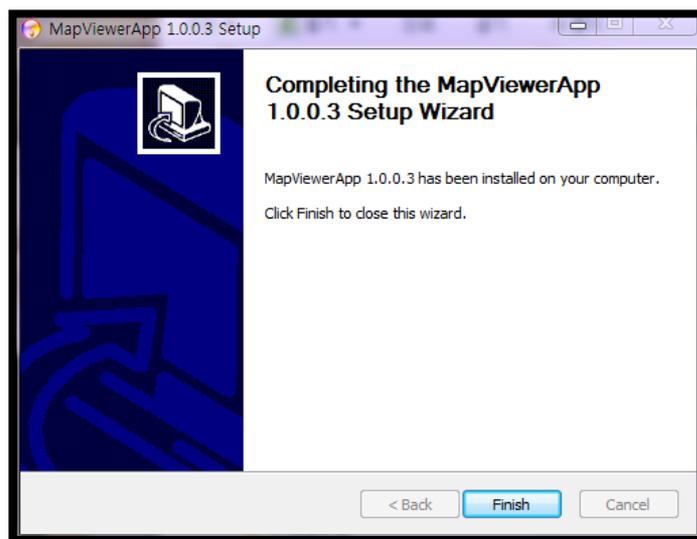
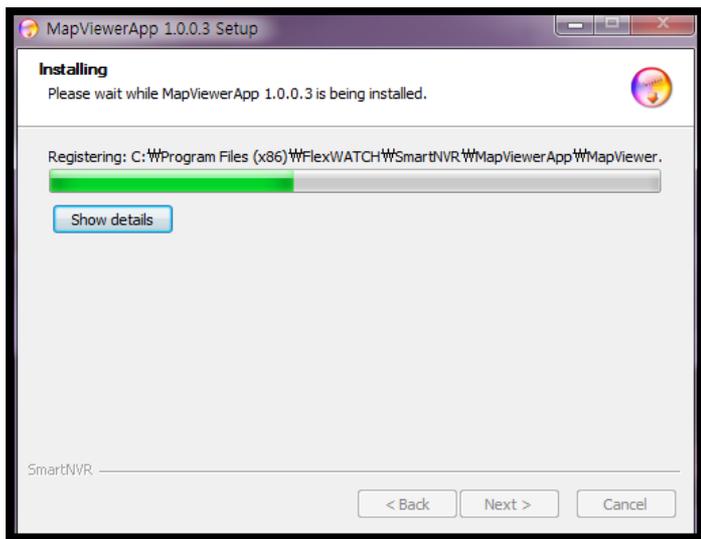
Install AgentDaemon



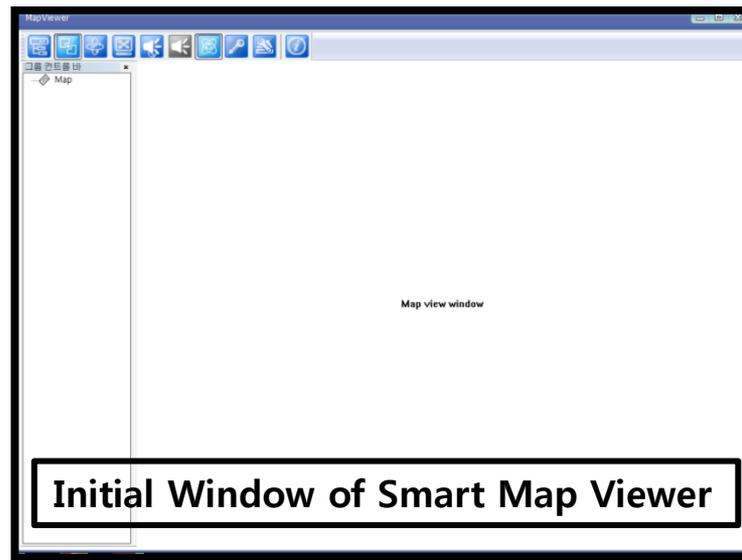
Default MMS IP address : Loopback address



Smart Map Viewer Installation

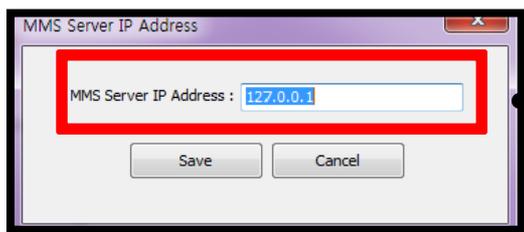
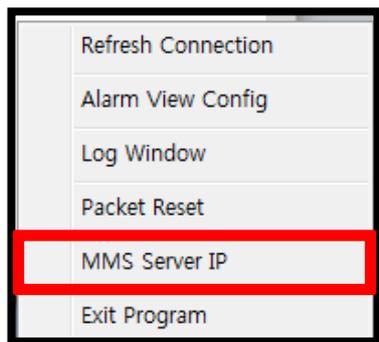


Double click
Smart Map Viewer



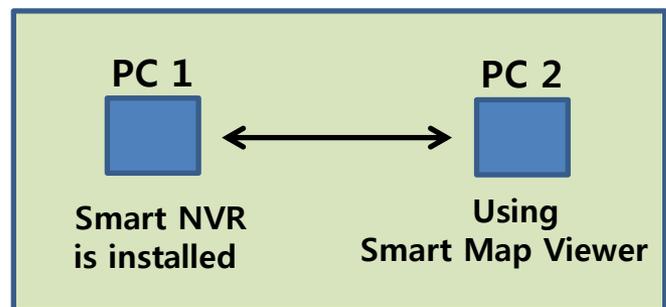
Smart Map Viewer Installation

Agent Daemon is also installed when Smart Alarm/Map Viewer is installed



LoopBack IP : 127.0.0.1 (Default)
[Smart Map Viewer and Smart NVR are installed **In the same PC**, Use the default LoopBack IP Address]

[Smart Map Viewer and Smart NVR are installed **In different PC**, Use IP address of the PC Smart NVR is installed (Both PC should be in the same network)



Event Configuration in Smart NVR

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

The screenshot shows the 'Smart NVR Configurator' application window. The 'Camera configuration' tab is selected and highlighted with a red box. A dropdown menu is open, showing 'Advanced configuration' highlighted with a red box. A second dropdown menu is open from 'Advanced configuration', with 'Alarm event configuration' highlighted with a red box. The main window displays a table of camera configurations.

ID	IP-device	Vendor	Model	
0	Demo-W	FlexWATCH	Dual stream mo...	
1	Demo-F	FlexWATCH	Dual stream mo...	
2	Demo-FC	192.168.250.203 80	FlexWATCH	Dual stream mo...

- (1) Smart NVR
- (2) Camera configuration
- (3) Advanced configuration
- (4) Alarm event configuration

Event Configuration in Smart NVR

Alarm event configuration

1. Click channel selection or camera list to configure conditions.

1 Channel model

Select camera 1

Dual stream model

Select primary channel

Select secondary channel

Deselect

Deselect all

4 Channel model

Select camera 1

Select camera 2

Select camera 3

Select camera 4

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

2. Liveview of selected camera.

3. Configure alarm event service.

Configure service

4. Configure alarm event type.

Configure condition

5. Repeat above.

Apply Cancel

➔ Select Cameras which want to setup alarm

➔ Select Cameras and Enable event Service

Alarm event configuration

Alarm service

Enable alarm service
Alarm according to external alarm input.

Disable alarm service
No alarm regardless of external alarm input.

Event service

Enable event service
Output according to internal event.

Disable event service
No output regardless of internal event.

Apply Cancel

Event Configuration in Smart NVR

Alarm event configuration

1. Click channel selection or camera list to configure conditions.

1 Channel model

Select camera 1

Dual stream model

Select primary channel

Select secondary channel

Deselect

Deselect all

4 Channel model

Select camera 1

Select camera 2

Select camera 3

Select camera 4

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

2. Liveview of selected camera.

3. Configure alarm event service.

Configure service

4. Configure alarm event type.

Configure condition

5. Repeat above.

Apply Cancel

Configure alarm event type

Select alarm type

- Start recording
- Enable DO
- Disable DO
- Run auto preset
- Pop-up window
- Start touring
- Stop touring

Select event type

- Start recording
- Stop recording
- Motion start
- Motion stop
- DI start
- DI stop
- Video normal
- Video error
- Network connected
- Network disabled
- Start touring
- Stop touring
- Enable DO
- Disable DO

Apply Cancel

Recommend to select must have event type
To avoid the system overload

Check the service needed
(Support Multi-Options)

Push Apply button

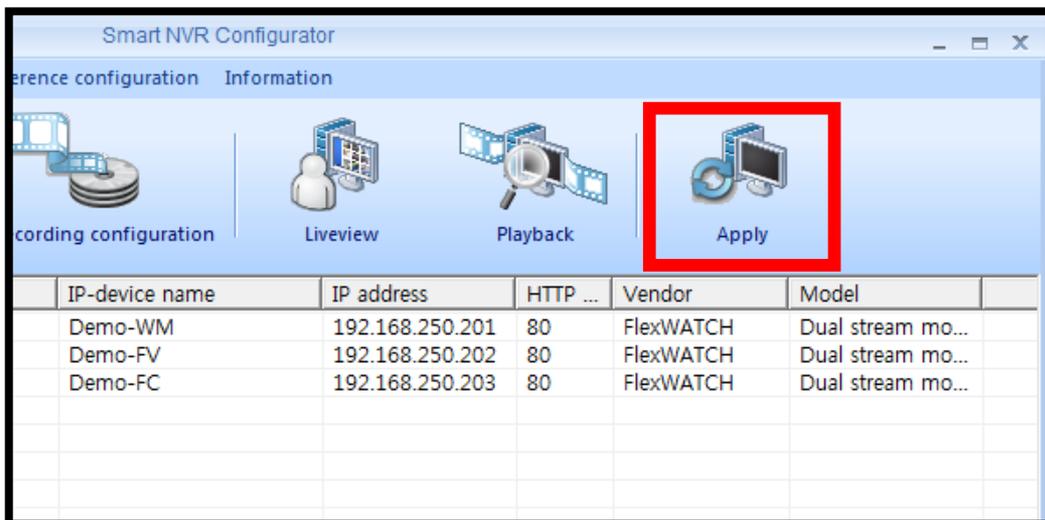
Event Configuration in Smart NVR

5.Repeat above.

Apply

Cancel

When all the configuration is done
Click [Apply] Button



IP-device name	IP address	HTTP ...	Vendor	Model
Demo-WM	192.168.250.201	80	FlexWATCH	Dual stream mo...
Demo-FV	192.168.250.202	80	FlexWATCH	Dual stream mo...
Demo-FC	192.168.250.203	80	FlexWATCH	Dual stream mo...

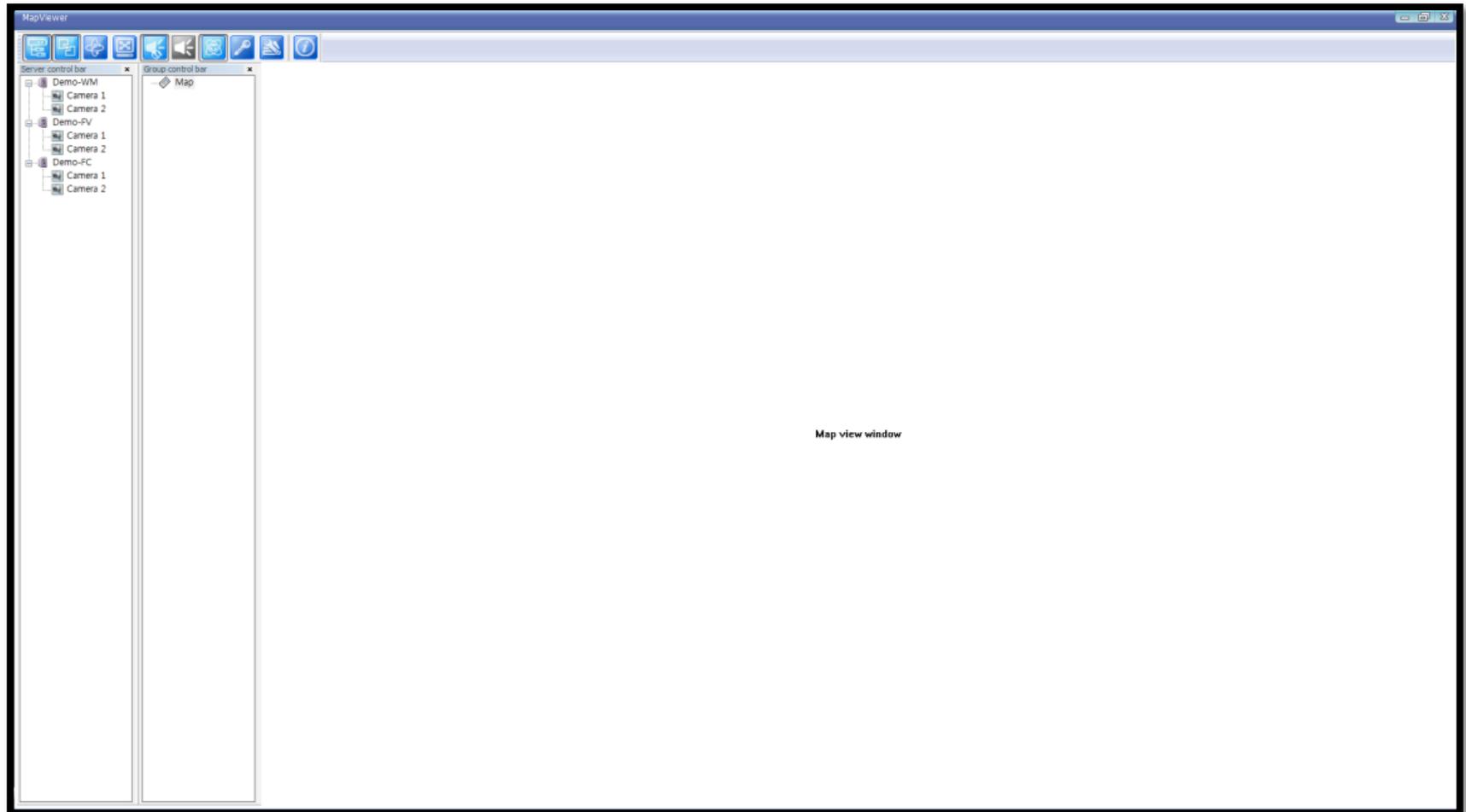
If any change in Smart NVR
Configuration,
Click [Apply] button.
And NVR system will restart

< NOTE >
Should Click [Apply] button to
apply any change in Smart NVR
Configuration

=> Completion of configuration in Smart NVR to use Smart Map Viewer

Smart Map Viewer User Guide

SMART MAP VIEWER INITIAL WINDOW



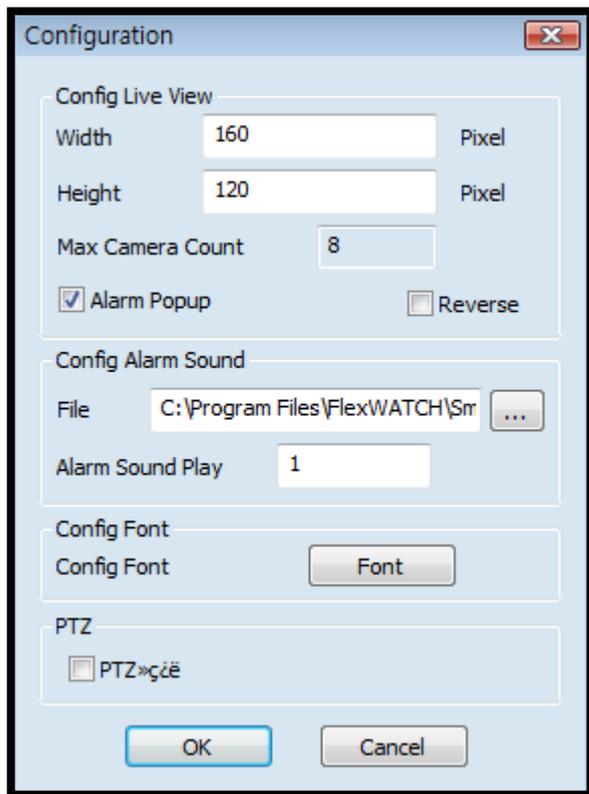
Smart Map Viewer User Guide

Description of tool bar

	Toolbar Items	Descriptions
	Edit/Normal Mode Transfer	Configure the camera management mode
	Show/Hide Group Control Bar	Display or hide the Group Control bar
	Show/Hide PTZ Control Bar	Show PTZ Control bar of the selected camera
	Show Full/Normal Screen	View in normal screen or in full screen mode
	Alarm Sound On/Off	Enable or Disable the Alarm Sound
	Show/Hide Audio Control Bar	Display or Hide the Audio control Bar
	Camera Name Show/Hide	Choose to show or hide the camera name on the map
	Alarm Event Show/Hide	Choose to enable or disable to show alarm signals
	Show Configuration	Opens the window for camera configuration
	About Map Viewer	Displays the program's information

Smart Map Viewer User Guide

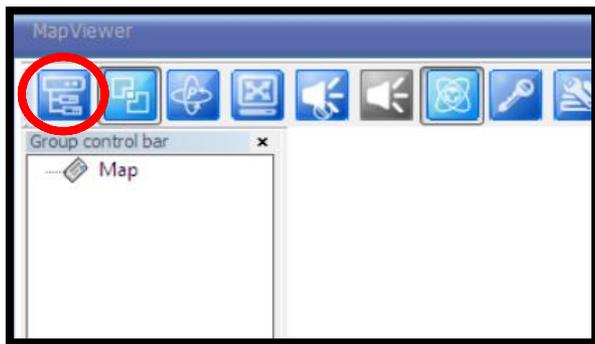
Smart Map Viewer Configuration



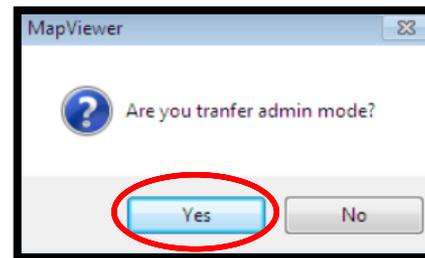
Configuration Items	Descriptions
Width / Height	The resolution of pop-up video for cameras
Max Camera Count	The maximum number of camera device in one map
Alarm Popup	Enable or disable alarm pop-up
Reverse	Reverse the video
Configure Alarm Sound File	Choose an audio file for the alarm sound
Alarm Sound Play	Set how many times the alarm sound will play back
Config Font	Choose the font to display pop-up video
PTZ Use	Enable or disable the PTZ control

Smart Map Viewer User Guide

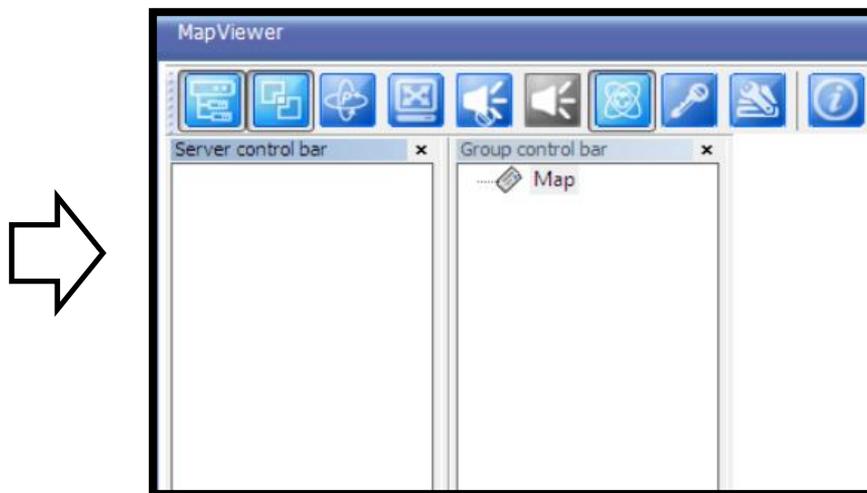
Smart Map Viewer Management mode



Click Edit/Normal mode transfer button



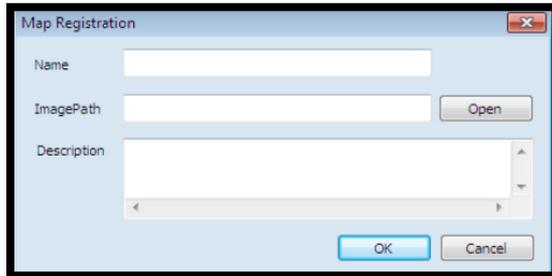
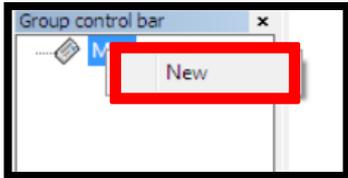
"Yes" -> Management Mode



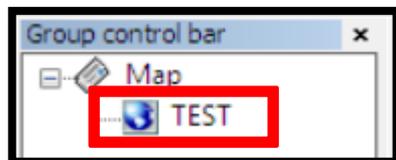
Insert Map Image

Smart Map Viewer User Guide

Smart Map Viewer : Insert Map

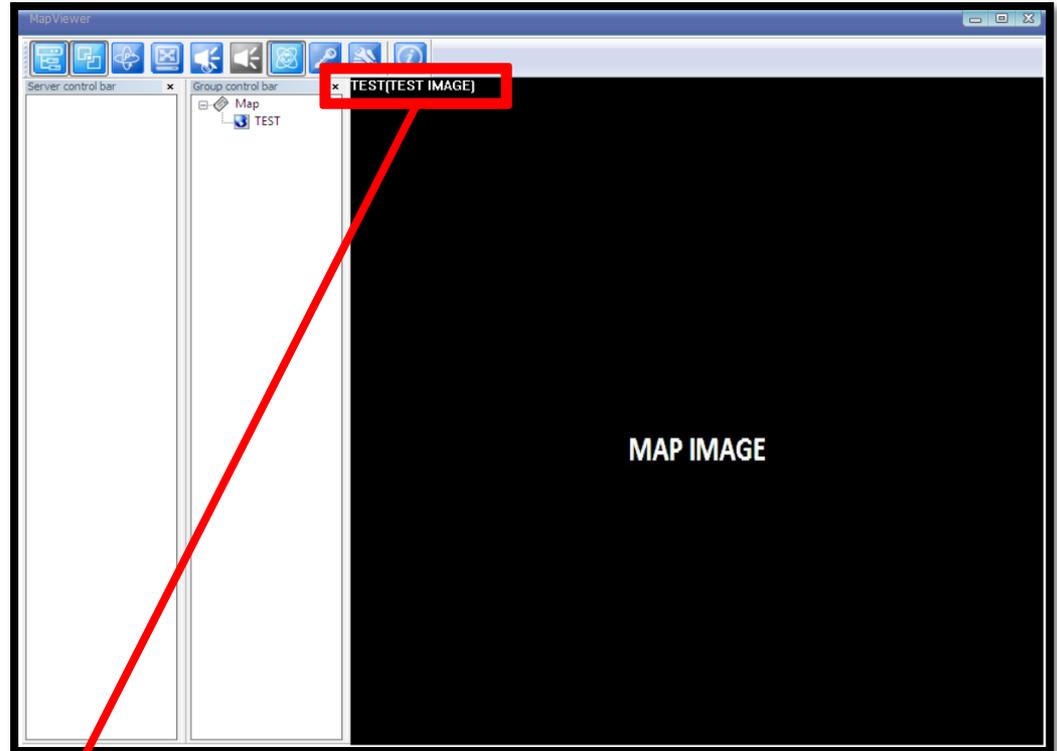


- 1) Name : Name of Map
- 2) ImagePath : Click Open to insert image file
(Support Only JPG / BMP format)
- 3) Description : Description of Map



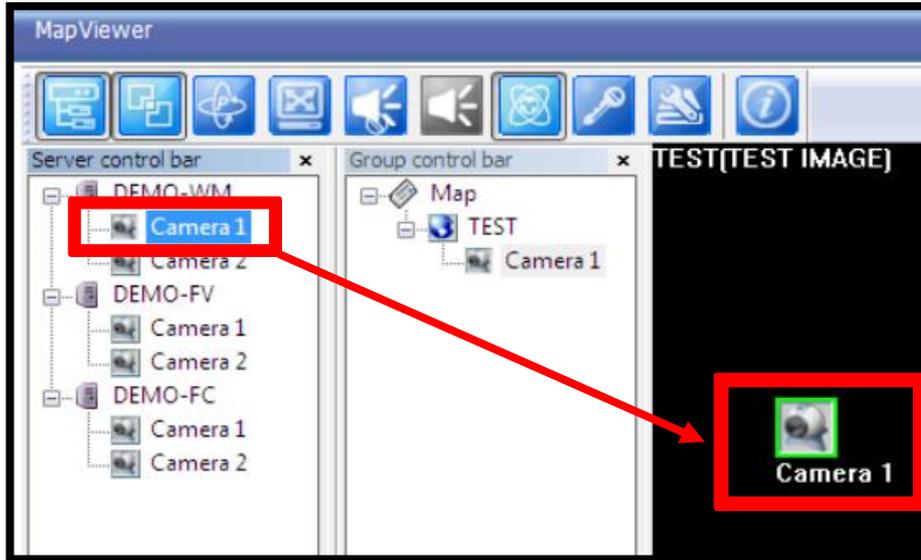
TEST : Name of Map
TEST IMAGE : Description

Default display color for name of group is white color
If background of map is white, can not see name of group
=> Change font in configuration

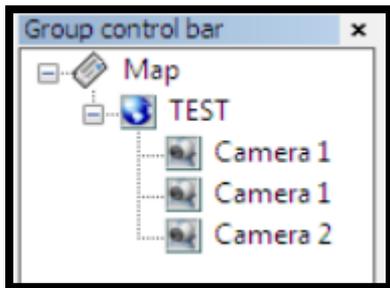


Smart Map Viewer User Guide

Place camera in MAP

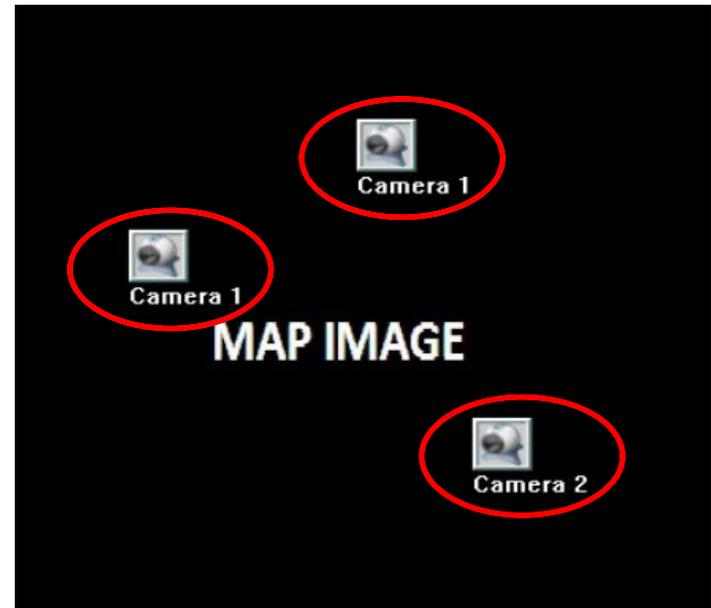
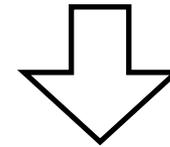


< NOTE >
Select a camera configured event menu and move it to the map



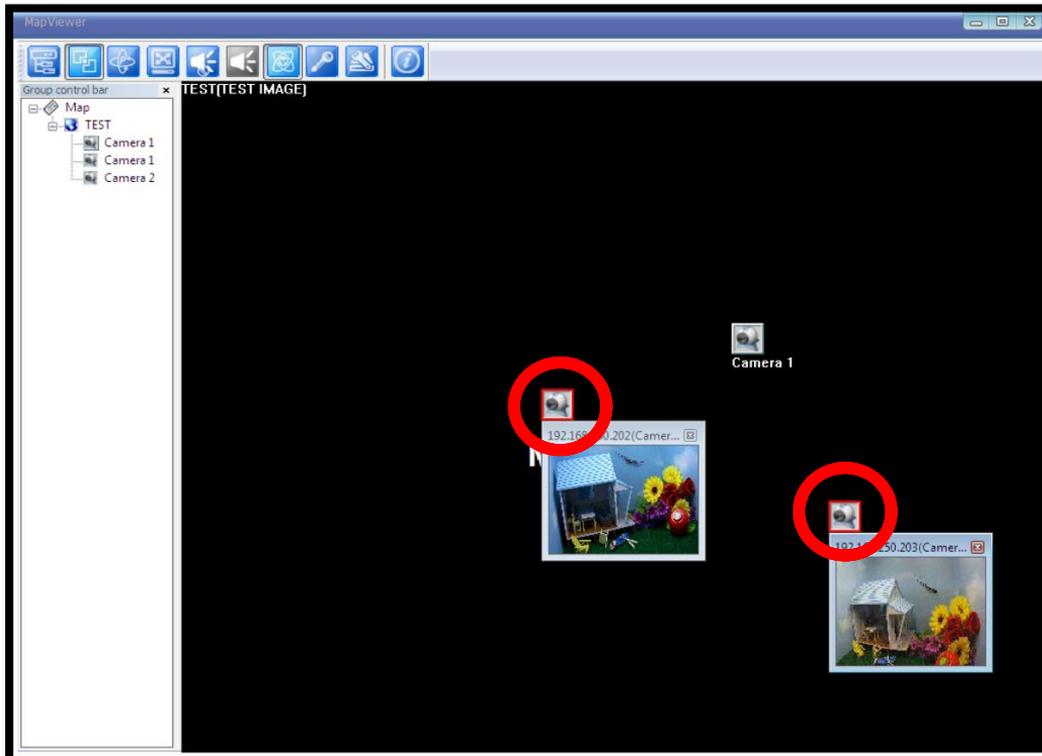
If you place cameras in the server Control bar in the map, The cameras Will be added in the group.

Step1> Select Camera
Step2> Drag and Drop to the map
Step3> Creation of Camera Icon



Smart Map Viewer User Guide

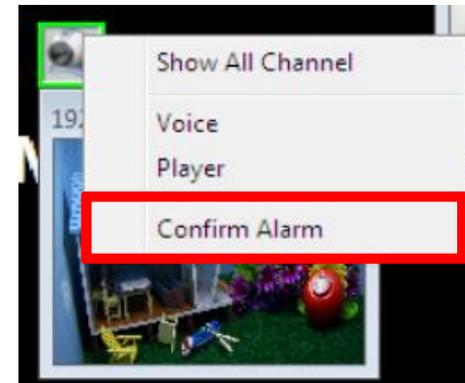
Alarm Management



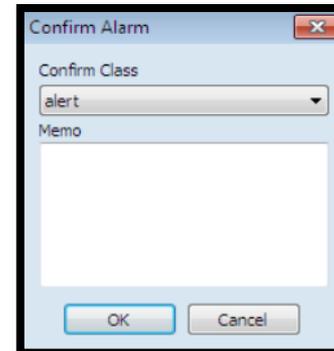
Event is triggered in Camera, Edge of camera Icon will be blink

< NOTE > Removal of blink

Step1) Choose the camera and click right button



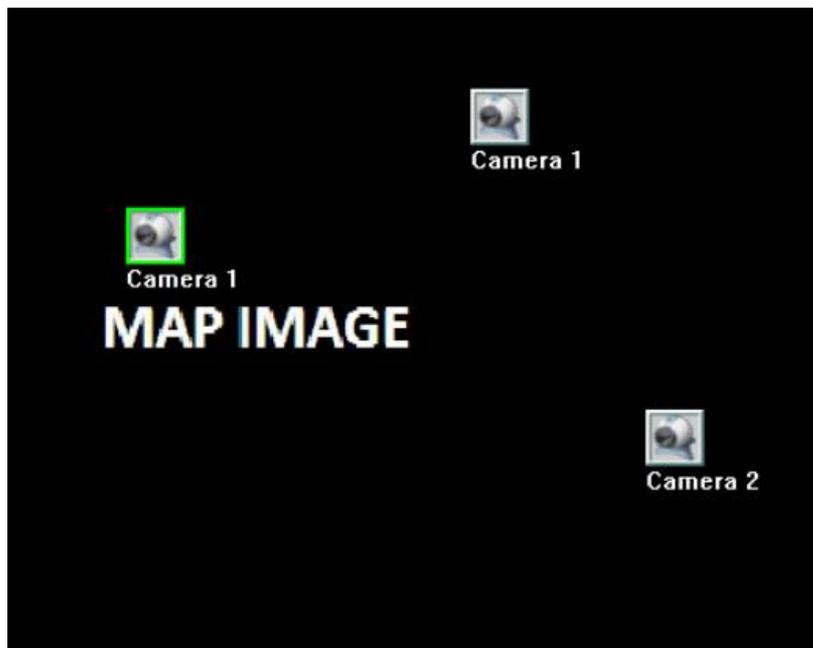
Step2) Click "Confirm Alarm"



Step3) Write a memo to confirm the alarm

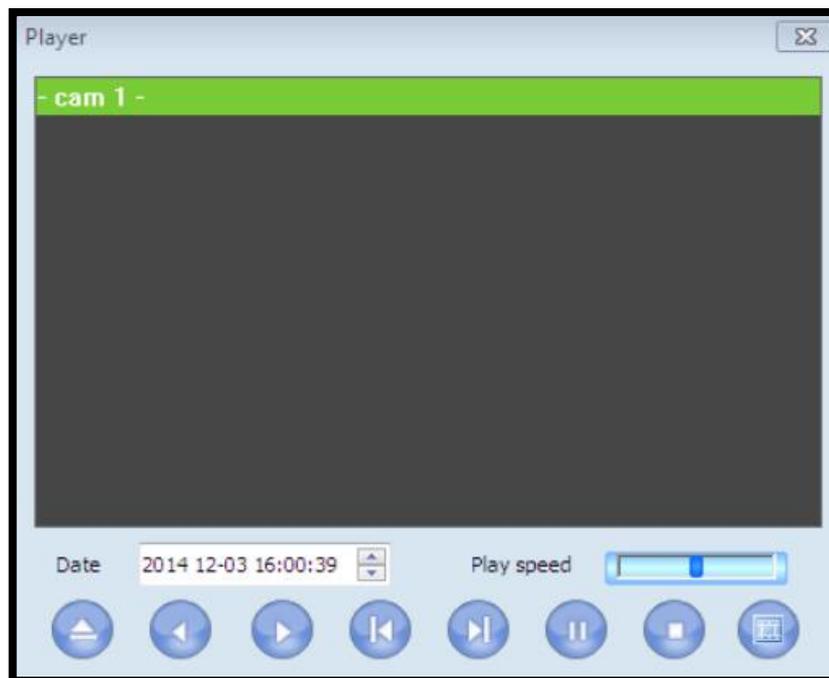
Smart Map Viewer User Guide

Show All Channel – Display all the pop-up video on the map



Smart Map Viewer User Guide

Player – Open a full-sized video window on a separate window

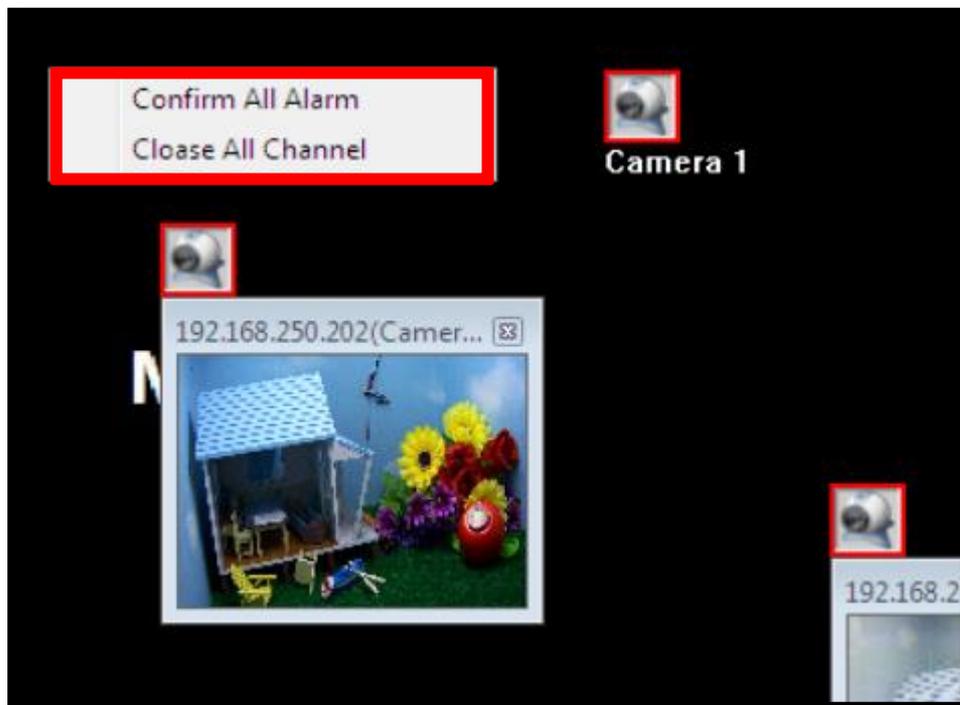


Playback recorded video
(Searching Condition : Date and Time)

Setting searching condition and click  button to start searching.

Smart Map Viewer User Guide

Close All Channel / Confirm All Alarm



Close All Channel
Close all the pop-up video

Confirm All Alarm
Checking all alarms
(Removal blink)

