

Dear Customer!

By selecting this VC product you have chosen a professional device, which guarantees highest possible quality and reliability.

Please read the following instructions carefully before commissioning the product in order to be able to take full advantage of all quality features regarding this product line.

CMS-software

Art. no. 12760-S

Art. no. 12780-S

Art. no. 12790-S

CMS Standard has been developed to control the DVR, various Network Camera's image data and I/O Control efficiently.

The DVR and NVR supplier focuses on how many number of screens could be shown on one screen and how it could be controlled. Thus, Live screen of 16, 32 64 multi screens could be seen. But we would require thinking about the bandwidth when multi channels are transmitted.

Central Monitoring System (CMS) could control the image and data by screen and it shows great countermeasures during emergency by getting screen and urgent data.

Also, it has point of doing efficient control of other remote site's DVR by central monitoring system.

The CMS Standard able to do the following functions to able to execute for constructing central monitoring system.

- Monitoring 64 channels on one screen
- Live screen display for each screen type
- Surveillance functions for E-Map
- Remote recording and remote backup function
- Event view function for Alarm control (Motion, Sensor, Site Connection logs)
- PTZ Control

1.1 System Requirements

Items	Minimum Requirements
CPU	Pentium 4 3.0 GHz or higher Core 2 Duo 2.0 GHz recommendation
RAM	1GB MB or higher
O/S	Windows® 2000 Professional (SP2) Windows XP Professional Windows Vista
Acceleration	DirectX® 8.0 or higher
Monitor	17 inches or higher
Resolution	1280 x 1024 as a minimum
Video Card	ATI RADEON 9800, 128 MB ATI RADEON 9800, 256 MB
Network Card	10Base-T (10 Mbps) or 100Base-TX (100 Mbps) operation; must match the network configuration

NOTE: Recommended PC specifications for Central Management Software (CMS).

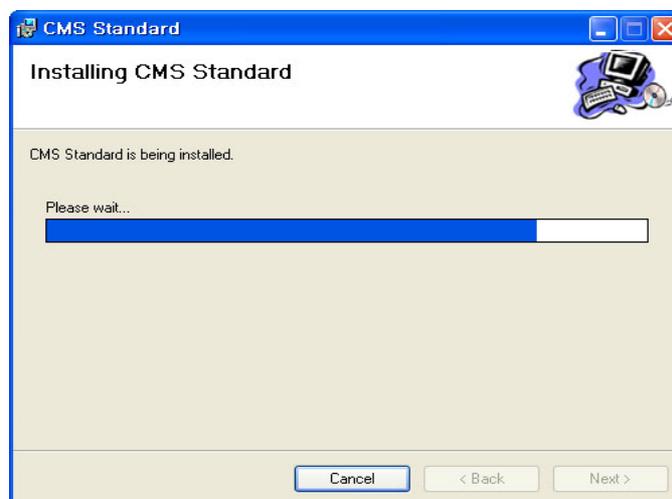
1.2 Installing Guide

- Insert the Installation CMS Standard disk on the CD Drive. The following screen as below would appear by Install Shield Wizard.
- Press [Next] button to proceed to next stage.



NOTE: Double click the Setup file on the CD Drive to start the Install Shield Wizard if the Auto Run does not function.

- The CMS Standard could be installed as the following below.
- Click the [Close] button after installation is completed



1.3 CMS Display Mode



NOTE: It is constructed to control the functions and buttons of each and every windows

1. Application Button



It is button to show the menu information list. Menu information list window would appear when it is clicked.

2. User Registration Button



Use to make accounts to login CMS Standard.

3. Device Registration Button



Use to register the information of the connecting DVR.

4. Screen Registration Button



Use to set camera and display screen configuration.

5. Map Registration Button



Use to display the cameras on the image map spaciouly.

6. Backup Player



Player to play the backup image.

7. Setup Button



Use to set recording directory and OSD display

8. Display Screen

Area to see camera image and map image.

9. Skin Type of the Windows

Use to change the skin of the window area by each theme.

10. Screen Division

Use to display the screen area, according to the desired layout status.

11. Object thumbnail

Use to show the selected object information from the Device tree, Screen tree & Map tree.

12. Alarm Thumbnail

Use to see the corresponding object of the detected alarm.

13. Event Window

Use to see the event log of each filtering of each device.

14. Previous Window

Use to display and control the camera of the selected device.

15. Map Tree

Use to see the map image of each camera image on each registered group.

16. Screen Tree

Use to see the screen mode of the camera image of each registered group.

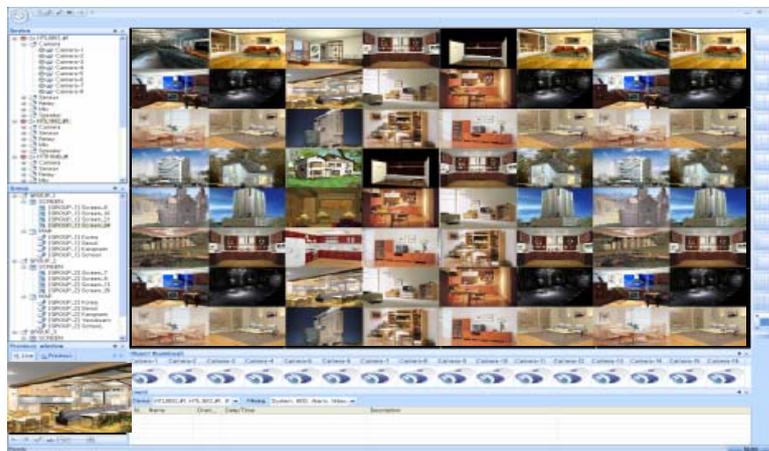
17. Device Tree

Use to see the information list of the registered device.

1.4 CMS Main Function

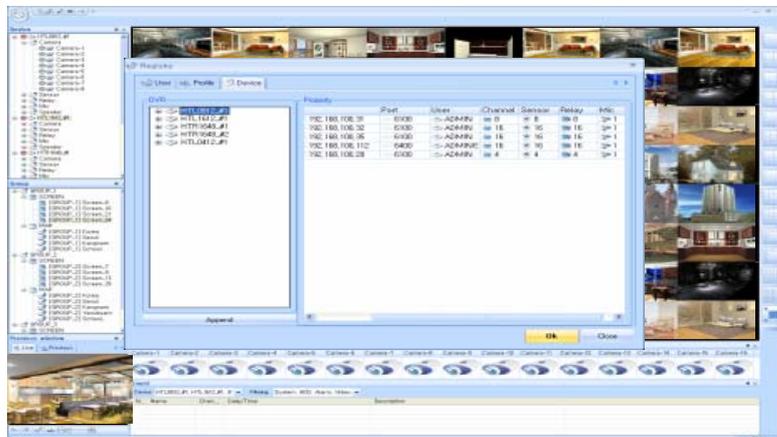
1.4.1 Live

- Live image of the registered device could be seen and the multiple screen could be seen until 64 multiple screens. Manage (increase/decrease, print, snapshot, previous image) each define image separately by displaying each panel's image or multi-display of camera image could be controlled by various screen mode and map image.
- Also, it supports realtime event monitoring for suitable event management and it could control each camera and show animation affect for login history and alarm of event viewer



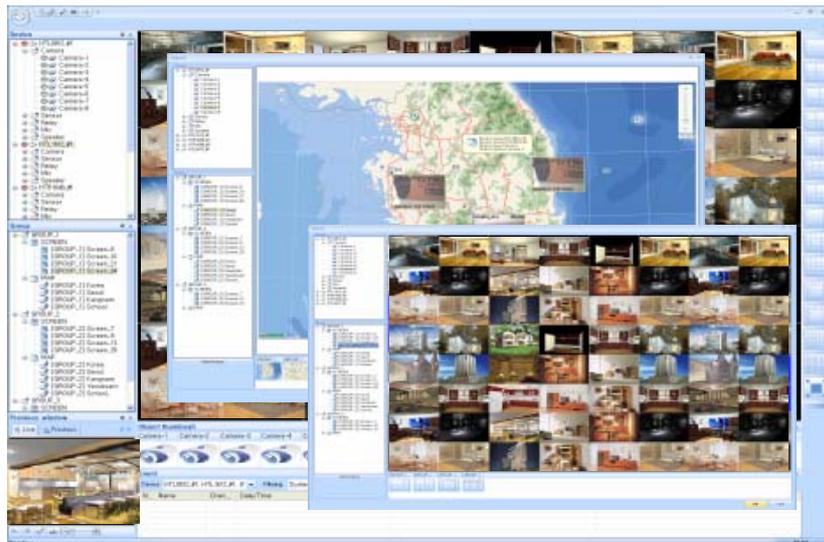
1.4.2 User Account

- Function to register CMS user and Device. Give authority to the user, then the control for CMS could be done and supports backup functions for each user's profile and data base.



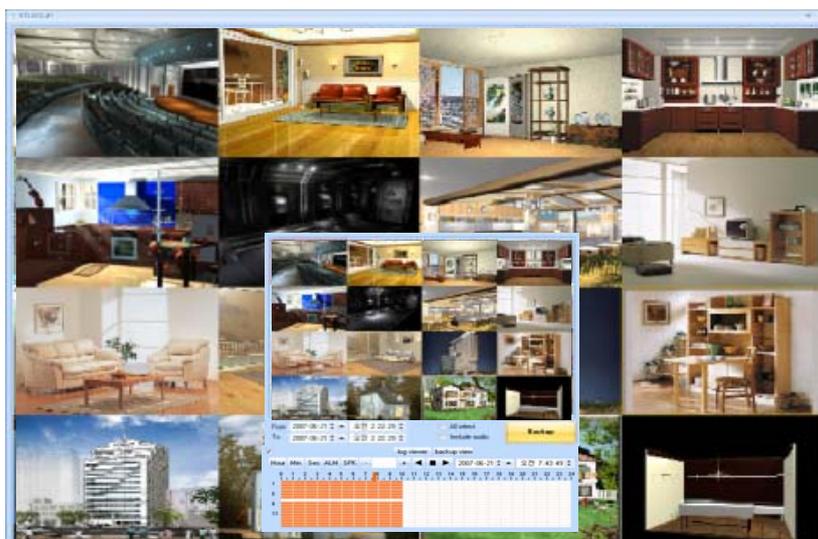
1.4.3 Group

- Group function provide screen or map service registration and it could structure objects (camera, sensor, relay, mike, speaker and etc) on the monitoring screen structure and map image.
- More efficient control could be done by approaching the central monitoring system with the various service mode registered on each group.



1.4.4 Search

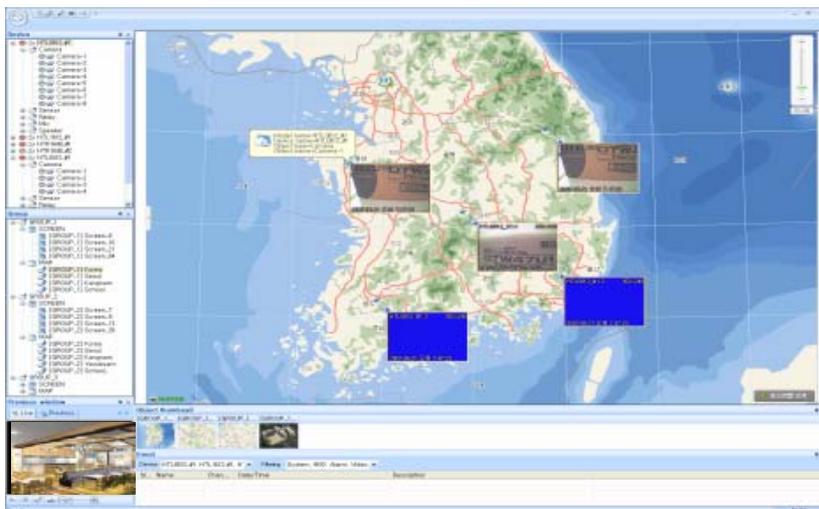
- It is function to see recorded image monitoring for saved event log history and backup the recorded image by AVI file.



1.4.5 Map

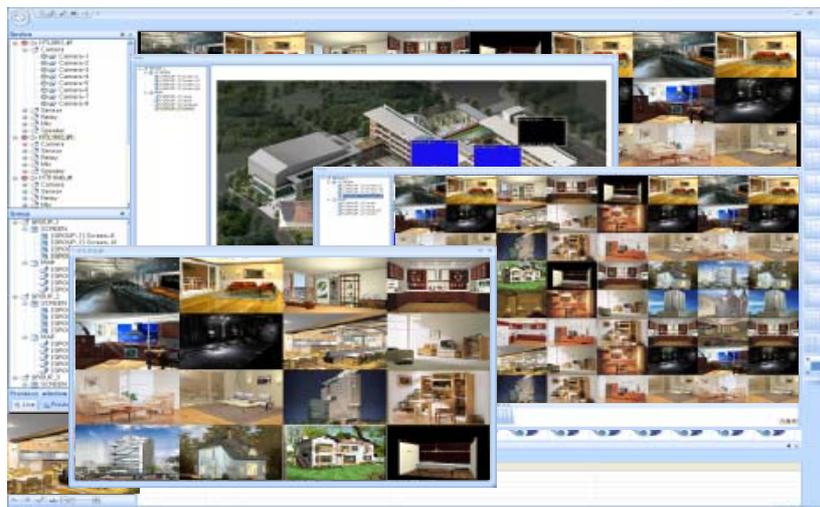
- It is function to support the display of the screen mode on the map image and monitoring of the camera can be done on the map itself.

Provide control functions for each camera and when event happens on the specified camera, more efficient visual monitoring system, using animation effect and map link by map moving functions.



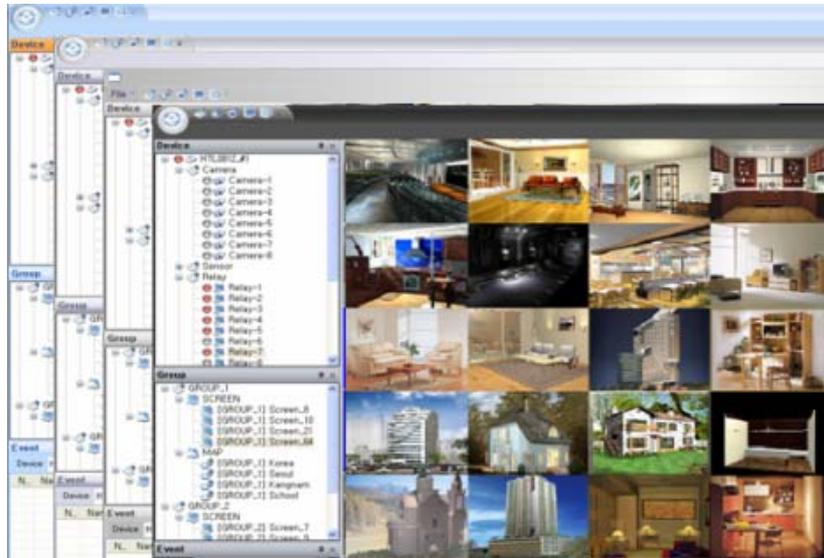
1.4.6 Floating

- It is function to monitor several services registered on the CMS at the same time, using several separate windows. Floating object supports device, scrap, map, group and search



1.4.7 Multi Theme

- It is a function to modify the window screen, according to the user's taste and it supports 10 kinds of multi theme.



2 Registry Setup

2.1 User

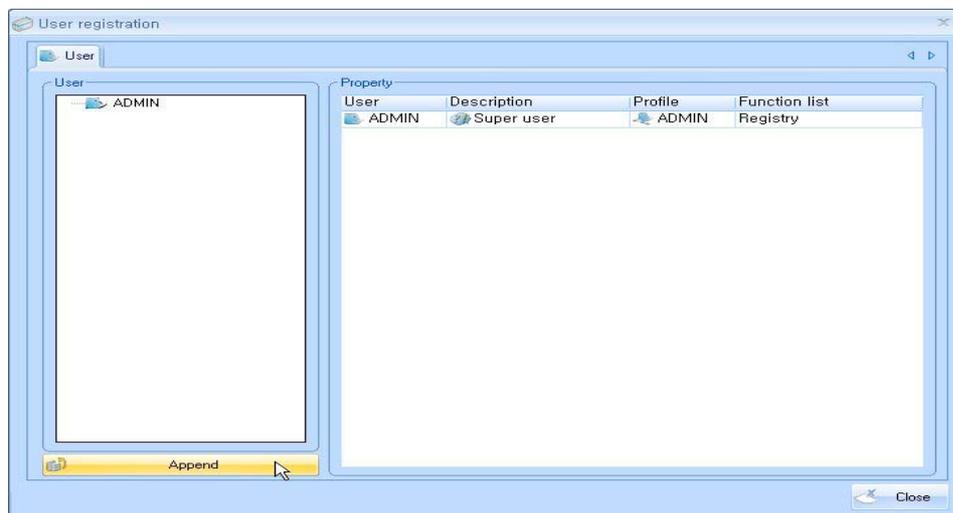
2.1.1 Summary

It is a function which makes login possible account and authority account on CMS Standard.

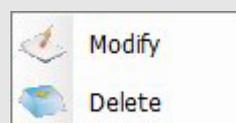
- It could control each user's authority and device, control and manage the screen according to each account's window environment.
- Level of authority for each user's CMS Control could be managed by registering profile for each authority.

2.1.2 Create a Subscriber Account

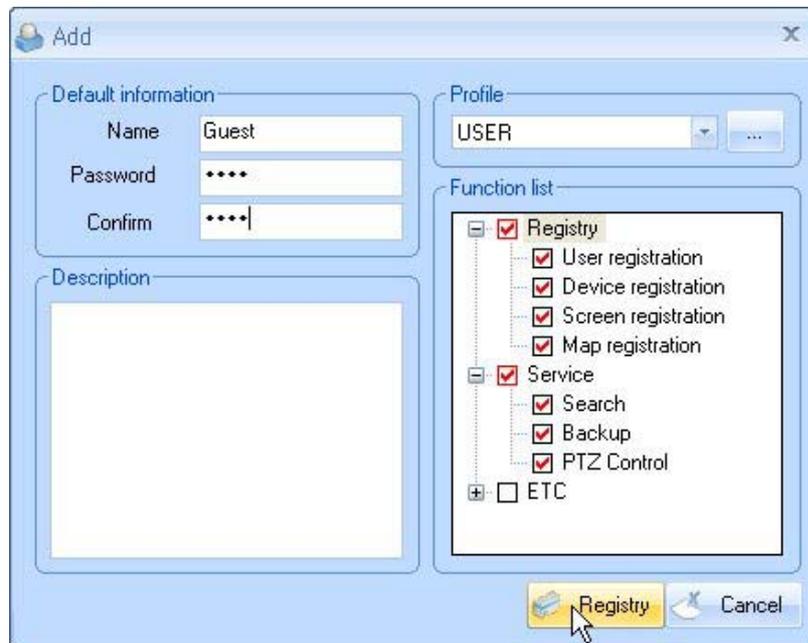
- Click [Application Button] -> [Registry]-> [USER] on the CMS menu and the following user property screen could be seen on the CMS menu.
- Click [Append] button as below and user registration screen could be seen as below.



NOTE: Click the right button from the "user" list box and [Modify] or [Delete] button could be seen as below for deleting or editing category.



- Enter the user information on the “Default information” information window and select the “Profile” for user authority. Then, click the [Registry] button to check what is registered for the “Guest” user.



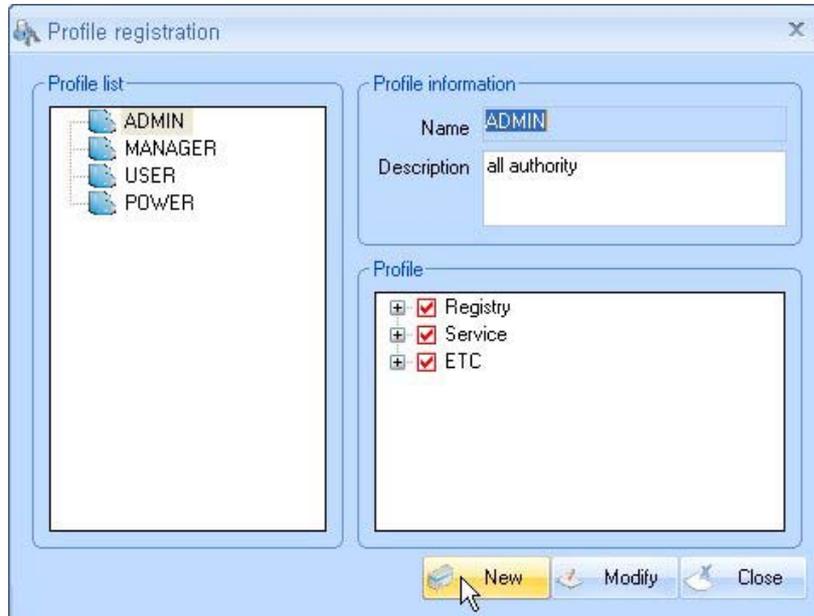
NOTE: [Function List] – Function to set the camera control and authority setting of service which had been registered on the CMS.

2.1.3 Create a Profile of Authority Account

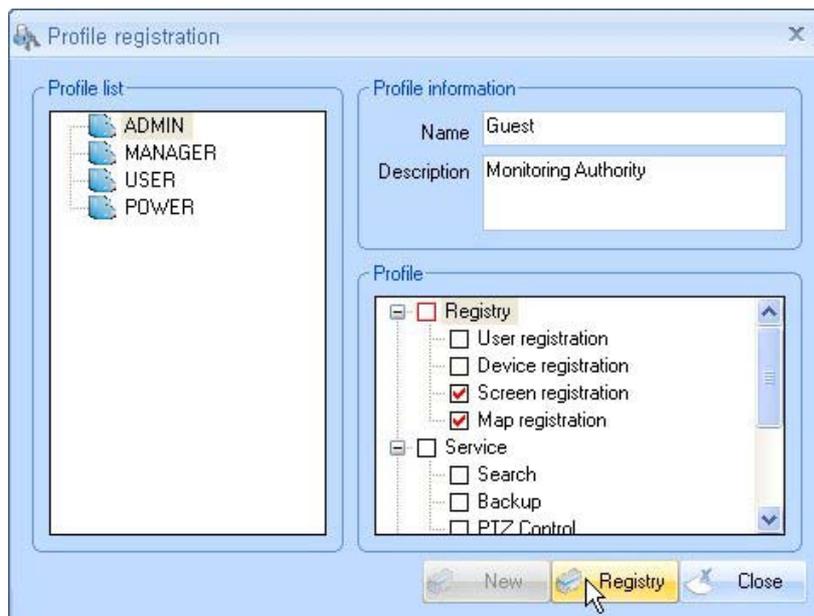
- Click the [...] button which is beside the 'Profile' combo box.



- Click [NEW] button to make new authority level as window below.



- Set the "Profile information" name and select the "Function list" of the authority level and click the [Registry] button to create the new level "Profile."

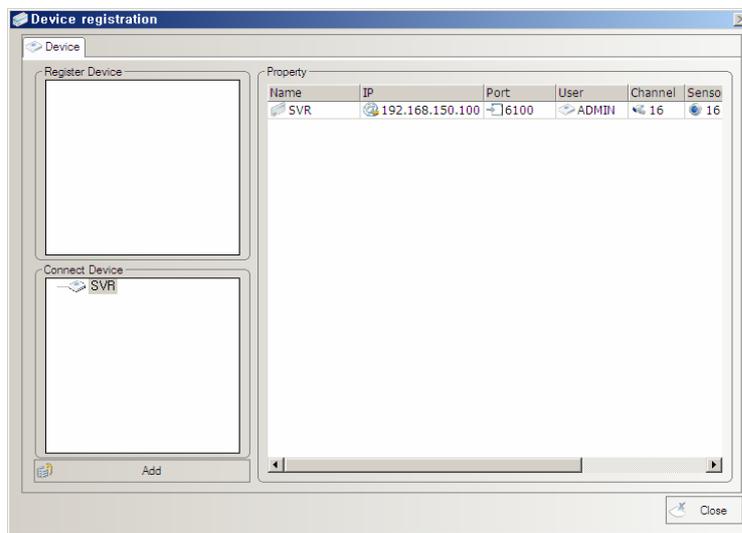


2.2 Device

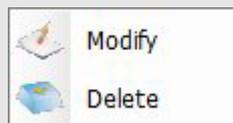
2.2.1 Summary

2.2.2 Create a Managing Device List

- It is function to register the camera device for monitoring. Set each device as below for monitoring.
- Click [Application Button] -> [Registry] -> [Device] on the CMS menu and the following user property screen could be seen as below.
- Click the [Append] button as below to add new device.
- After complete to register Device, Drag devices to Connect Device for activation.



NOTE: Click the right of the mouse on the “Device” model list box and [Modify] or [Delete] button could be seen to delete or modify the category.



- Enter appropriate device information as below and click [Registry] button to register new device when device register window appear as below.



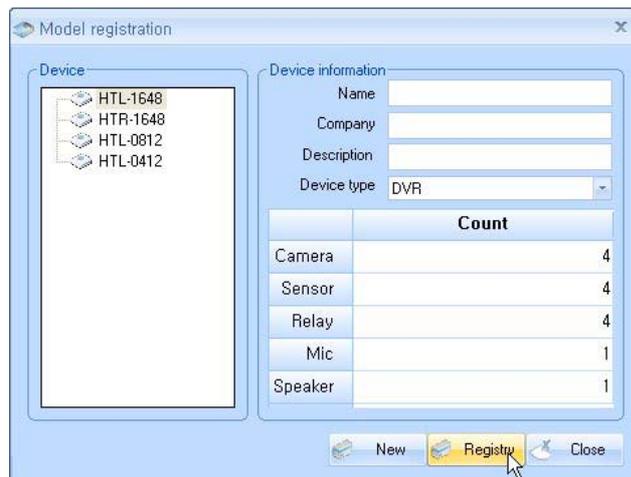
2.2.3 Create a DVR Model

- Require model information of the device model to create Device List. Device model is basic information (Camera, Sensor, Relay, Mic, and Speak) of the Device.
- Click the [...] button as below to register new device model.

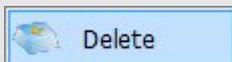


NOTE: The provided DVR model and the following model's basic information has been already registered when the CMS is installed for the first time.

- Enter basic information of the new device model and click [Registry] button and new device model would be created.



NOTE: Click the right of the box on the "Device" model list and [Delete] button as below would appear to delete the category.



2.3 Screen

2.3.1 Summary

- It is function to provide layout status desired by user, for screen display status.

2.3.2 Screen Type

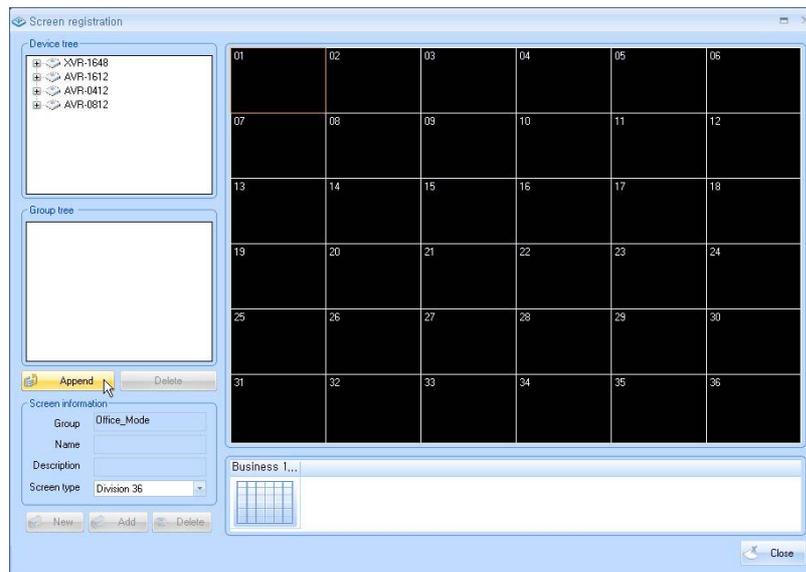
- The Screen division provided by CMS Standard are 14 types which are [1, 4, 6, 7, 8, 9, 10, 12, 13, 16, 21, 29, 36, 64].



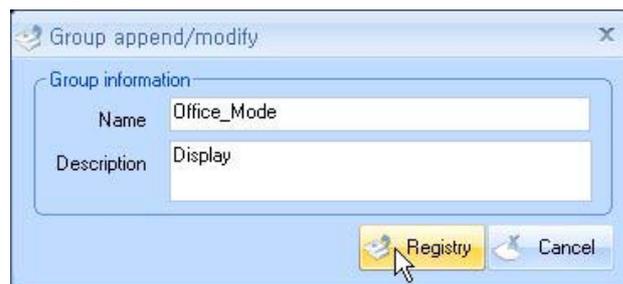
2.3.3 Create a Camera Display Layout

- Click [Application Button] -> [Registry] -> [Screen] from the CMS Menu and Property screen of "Screen registration" could be seen.

- Click the [Append] button and new type of Layout Group could be made.

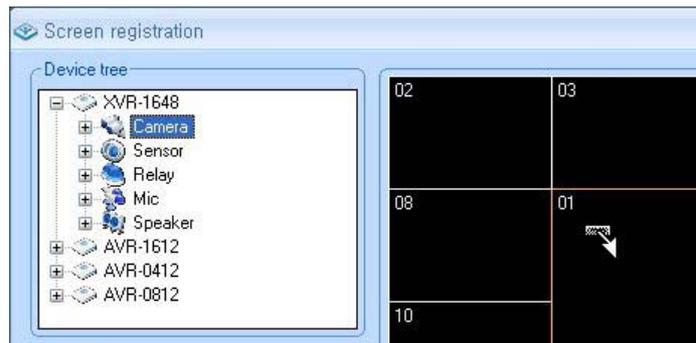


- Enter the "Group information" details as below and click the [Registry] button. Then new group could be seen on the "Group tree" window.



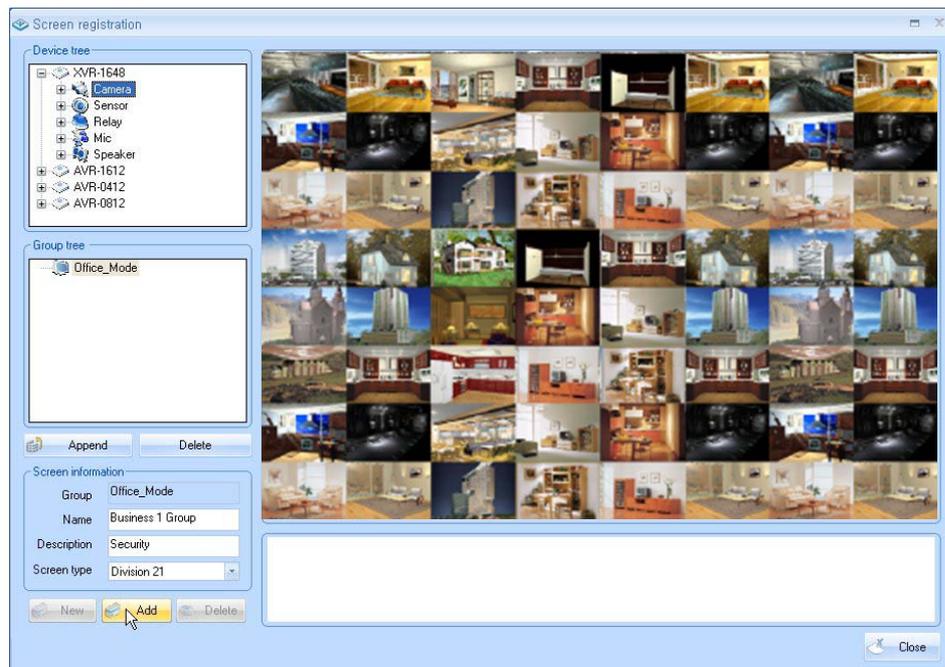
- Register new screen information on the “Screen information” and designate the screen type.

Next, select the camera from the “Device tree” and drag and drop to the screen as below to see each screen display of designated camera information.



NOTE: The above screen is example for number 1 camera display of “XVR-1648” device from Division Screen. Select each camera of the device and drag and drop on the screen to see the display.

- Click the [Add] button and the appropriate information setting for the “Screen information” would be add on the new screen group list.



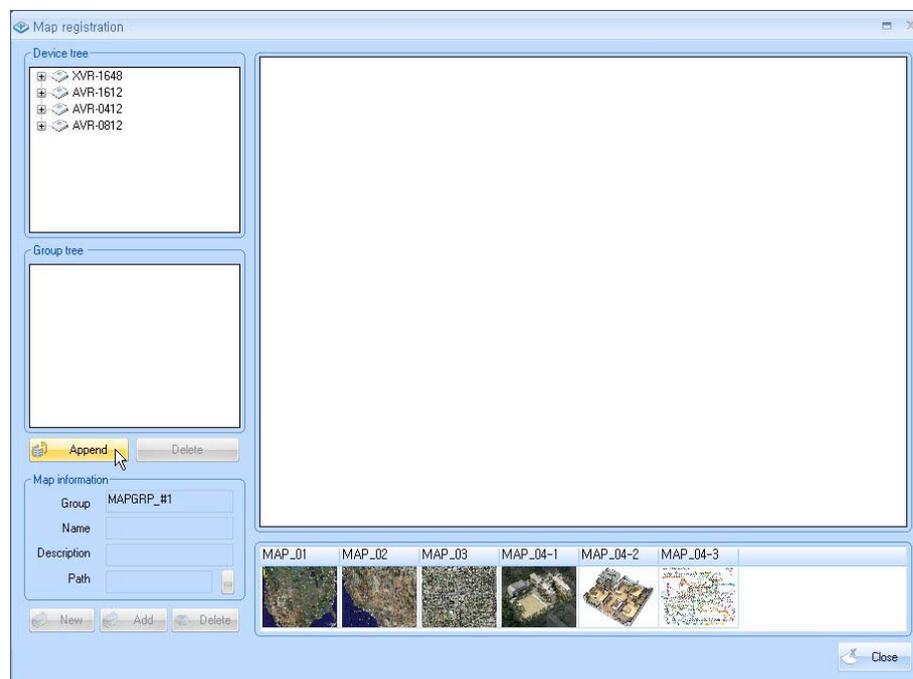
2.4 Map

2.4.1 Summary

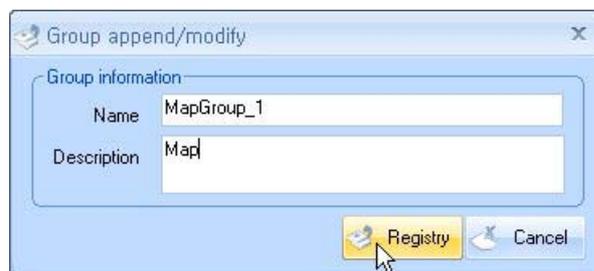
- It is a function for efficient central monitoring system by allocating the cameras of the registered device on the map.

2.4.2 Create a Camera Display Point in the Map

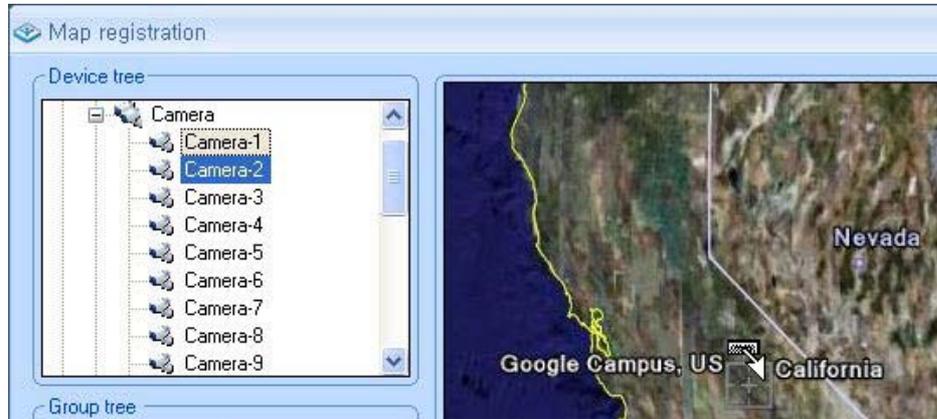
- Click [Application Button] -> [Registry] -> [Map] to see the Map registration window on the CMS menu.
- Click the [Append] button as below to see Map Group registration screen.



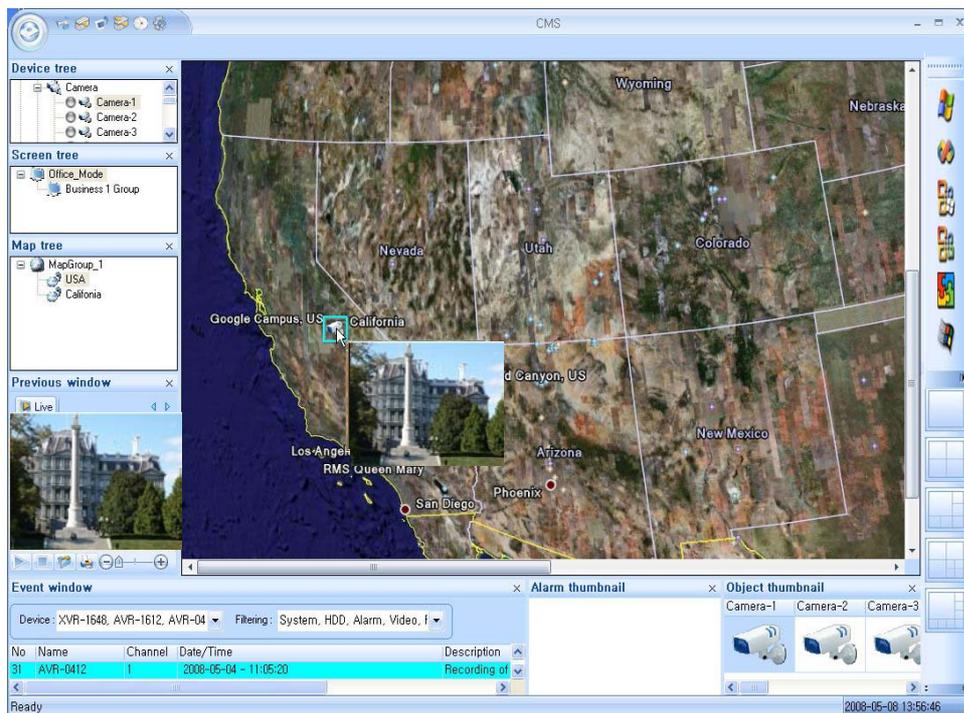
- Enter the "Group information" as below and click the [Registry] button to register the new Map Group on the "Group tree" window.



- Select the camera from the Device tree and drag and drop on the map image. Next click the [Add] button and the Map Image with camera icons on the allocated location could be seen.

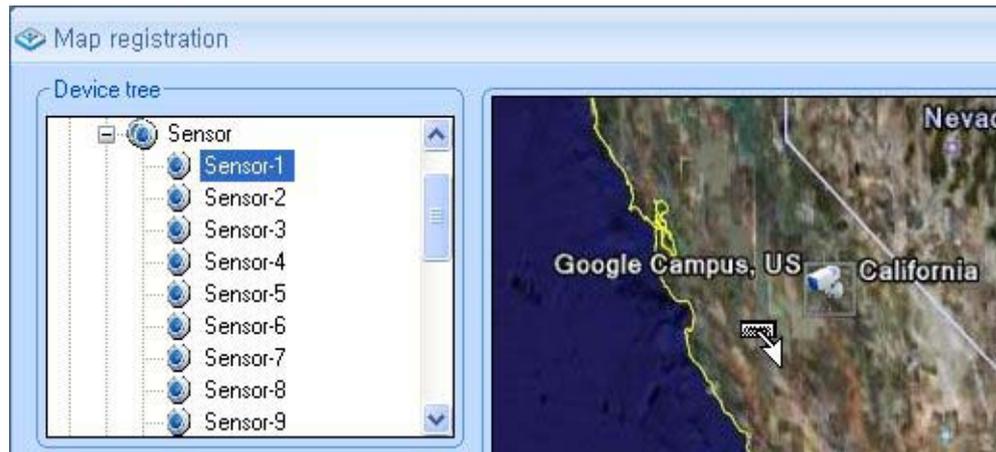


- Double click the camera of the registered location on the Map image to see the camera image.

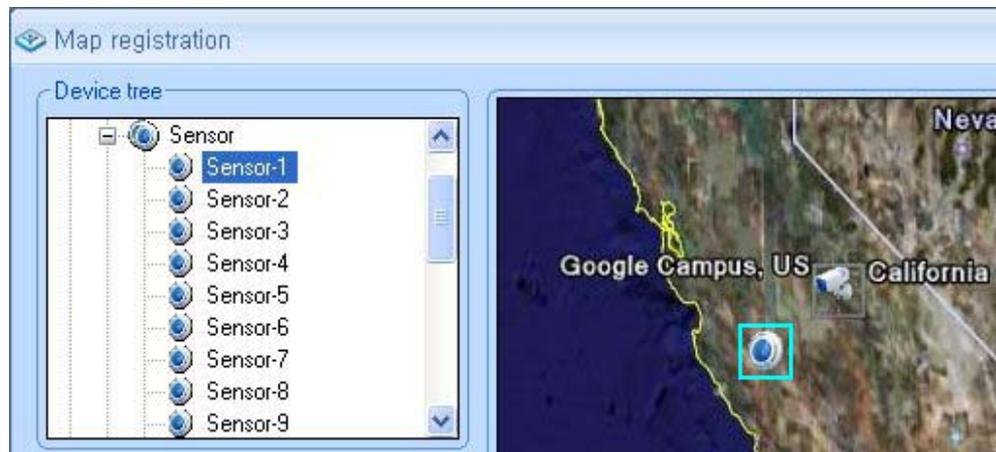


2.4.3 Create a Sensor State in the Map

- Select sensor from the Device tree window, then drag and drop on the Map Image. Next click [Add] button and the Map image with each sensor image would be registered together.

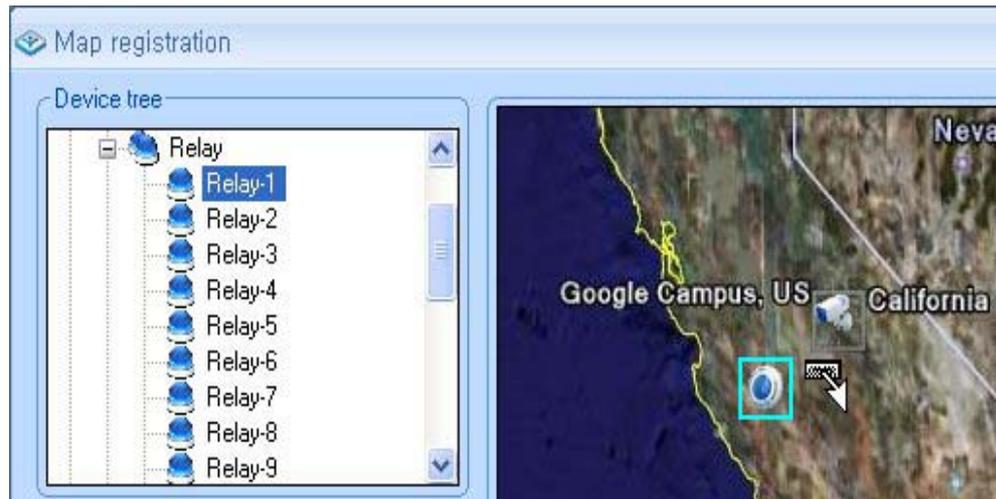


- Image as following would appear when the sensor is registered.

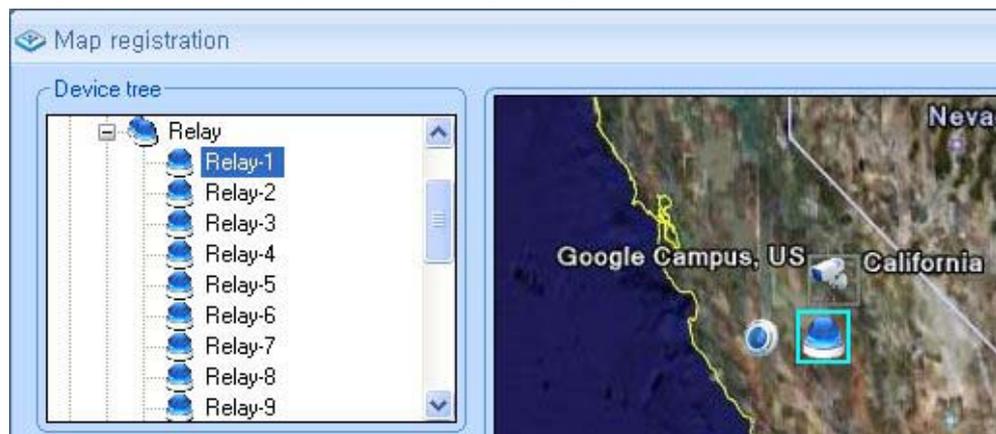


2.4.4 Create a Relay Control in the Map

- Select relay from the Device tree window, then drag and drop on the Map Image. Next click [Add] button and the Map image with each relay image would be registered together.



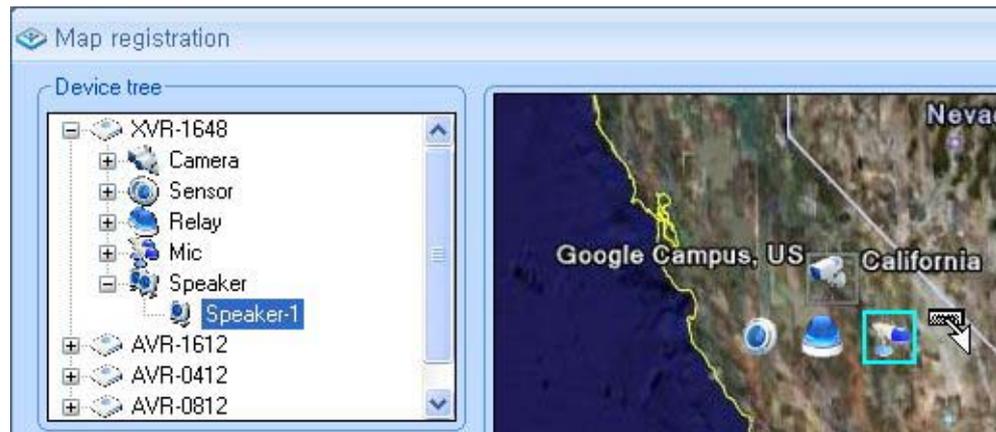
- Image as below would appear when relay is registered.



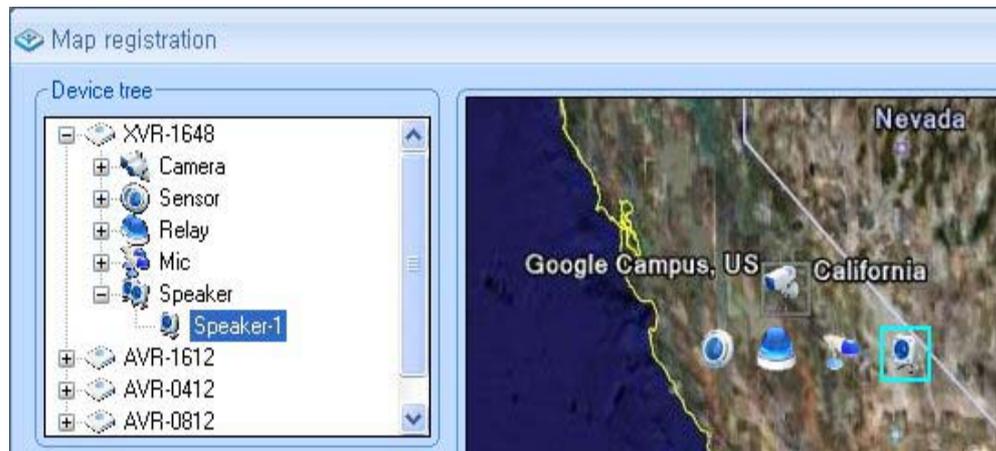
2.4.5 Create a Audio(Mic/Speak) in the Map

- Select Mic & Speak from the Device tree window, then drag and drop on the Map Image. Next click [Add] button. Then the Map image with each Audio (Mic & Speak) image would be registered together with the audio information.

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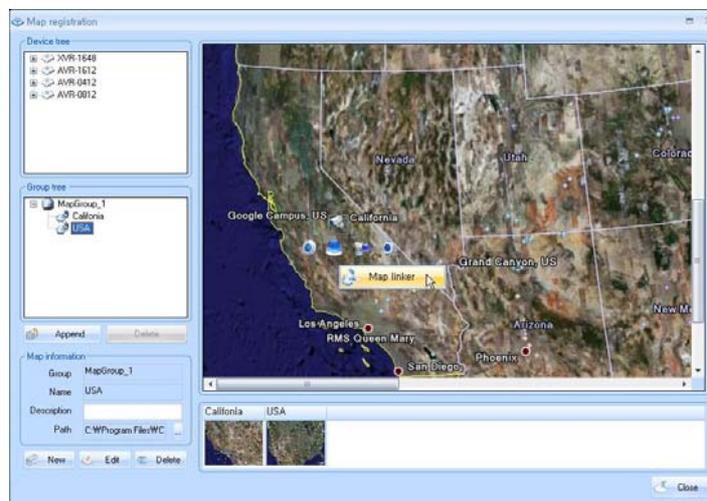


- Image as below would appear when Audio (Mic/Audio) is registered.



2.4.6 Create a Map link

- It is a setting to go into other map pointer by using each pointer location through link on the Map Image.
- This setting provides map details and able the user to see the desired location through image.
- 3.4.1 Register the map pointer of new camera through “Create a Camera Display Point in the Map” and double click right mouse button on the map image. Next, click the pop up window [Map Linker].



- The 2 map information of “MapGroup_1, which had been already registered, could be seen on the Map list. Select Map (“California”) to be linked.



Link icon could be seen as below and double click the link icon to move to the link map.



3 Service

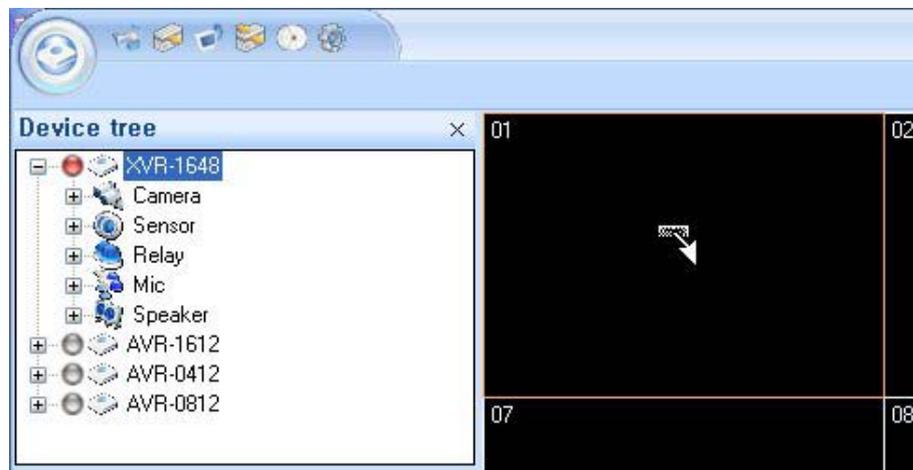
3.1 Device

3.1.1 Summary

- Provide to Monitor in the center watching the information of the device through tree list . Manage and get the information of each device that is registered by tree list

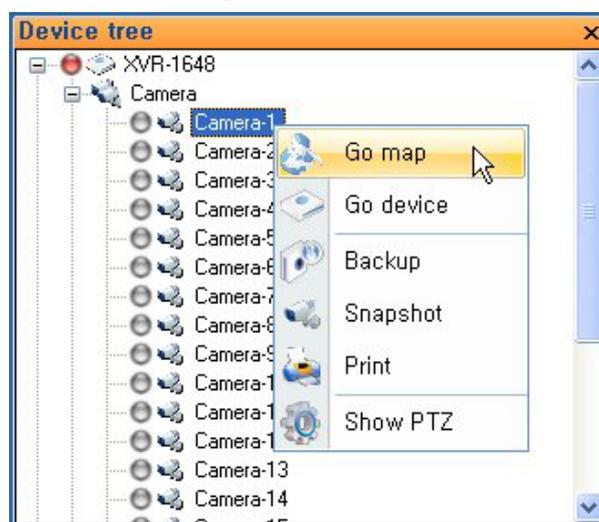
3.1.2 Camera Display

- Drag and drop the device list on the screen, the image would be started to display from the selected part.

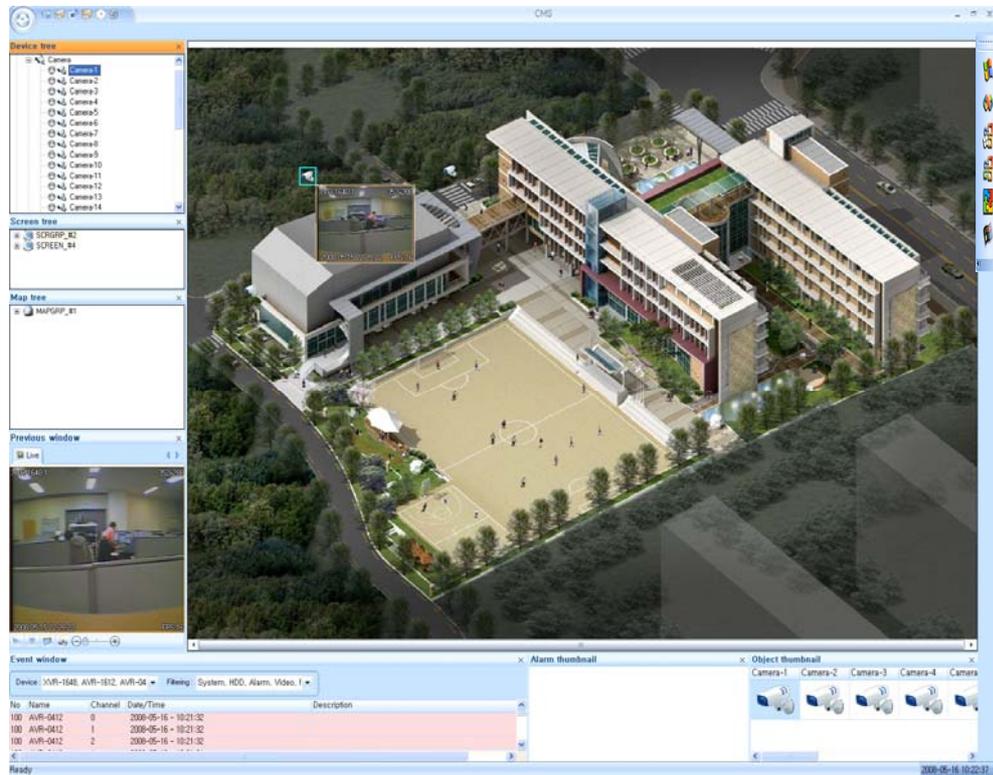


3.1.3 Go to the Map

- If the selected device camera was registered on the Map tree, it would be move to selected Map image and would be shown where the camera is on the Map image.

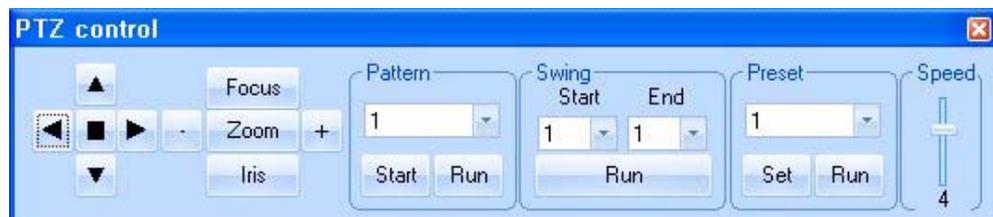


- The camera will be moved to appointed Map image and can see the picture of camera as below.



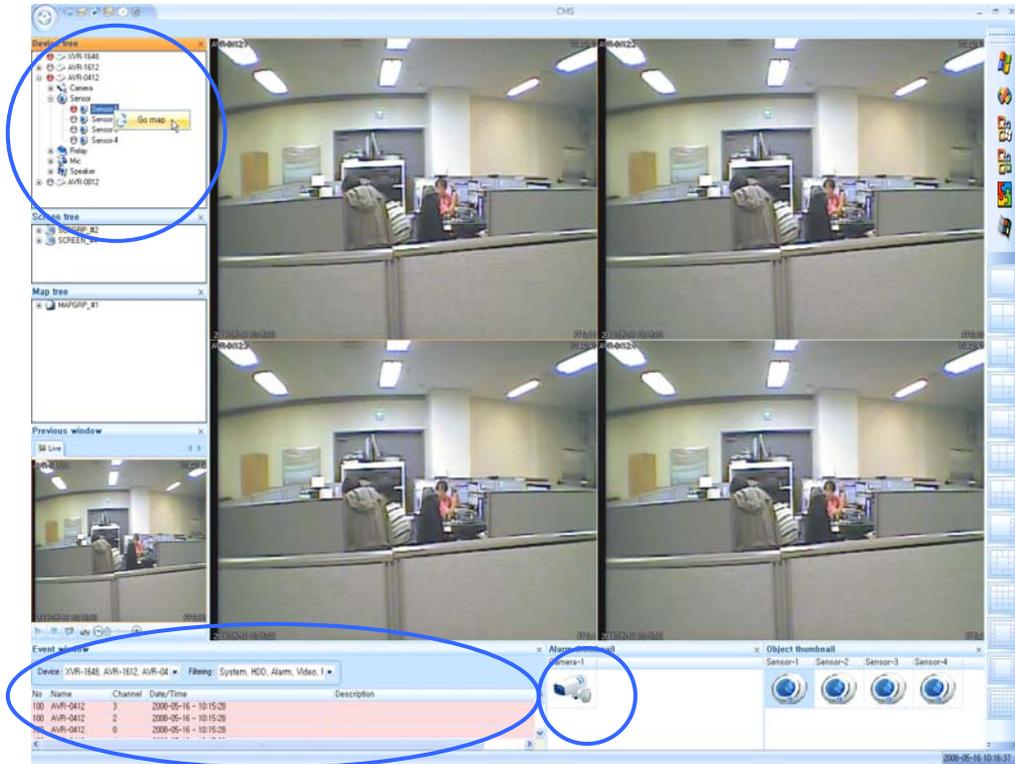
3.1.4 PTZ Control

- It would be displayed the control window to control the PTZ when [Show PTZ] is clicked of [3.1.3 Go to the Map]



3.1.5 Sensor State

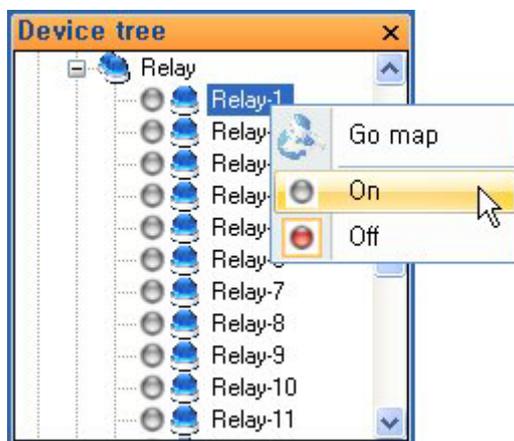
- When the alarm occurs, the sensor icon changes into red with event log. It is a function to go to the Map when the camera sensor of event happened is clicked.



NOTE: It would be recognized when the event was happened as the above picture, if the “Event Window” and “Alarm thumbnail” display is working while the sensor occurs.

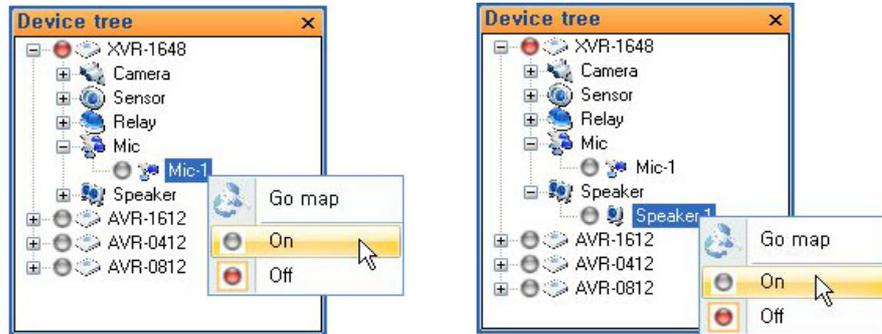
3.1.6 Relay Control (On/Off)

- Function to control the Relay “On” or “ Off” of the camera on the list of Device



3.1.7 Audio Control (Mic/Speak)

- Function to control the “On” or “ Off” of the Mic and Speaker of the camera on the list of Device

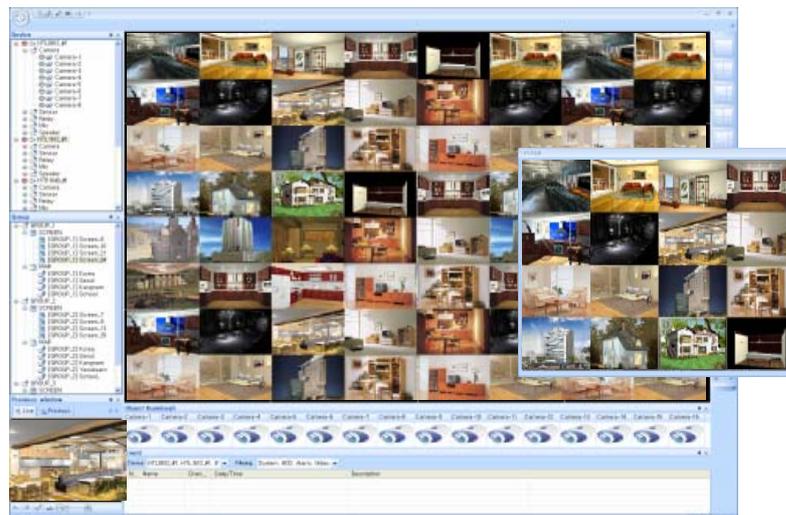


3.1.8 Floating Function

- Function to monitoring the Display mode of the selected device from the CMS
- Click the list of the device as the picture and choose the [Floating] menu



- It would be shown the new window display for monitoring as below

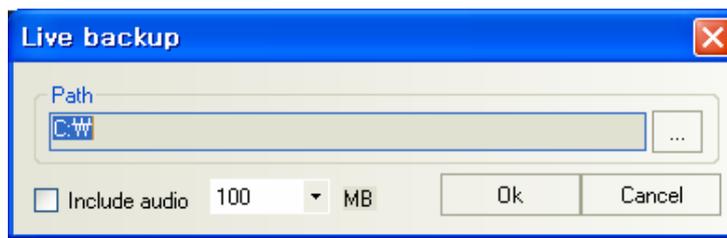


3.1.9 Live Backup

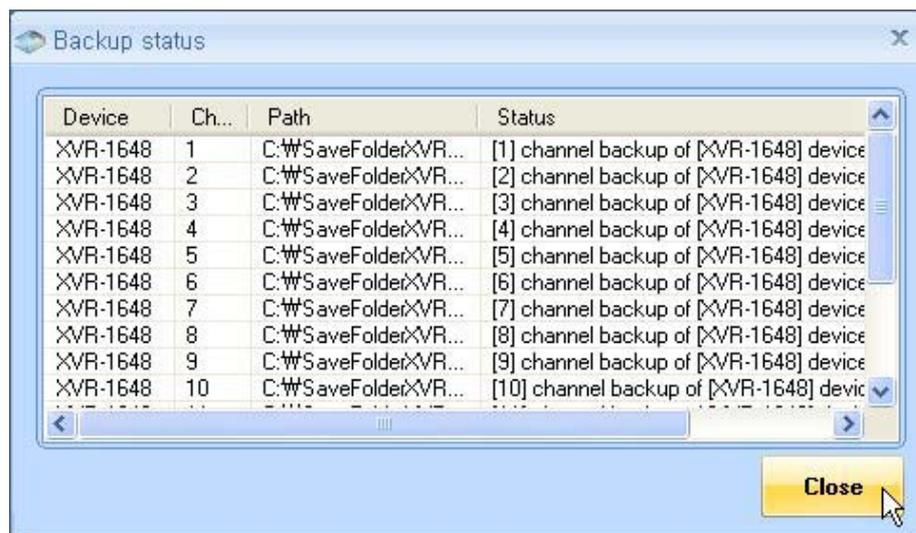
- Function to Live Back up of the selected device. Click the [Back up] button as below



Click the [OK] button following as below



- It would be appear the window to watch the process of Live Back Up. The Back up should be stopped, click the [Close] button.



NOTE: It would be Back up only the selected image when make a process with [Back up] button after select the camera image

3.1.10 Device Property Function

- Function to watch the information of the selected device. Click the [Property] button as below



- It would be shown the information of the selected device as below



3.2 Screen

3.2.1 Summary

- It is a function to CMS the camera image of the registered screen image through the screen information of registered screen group

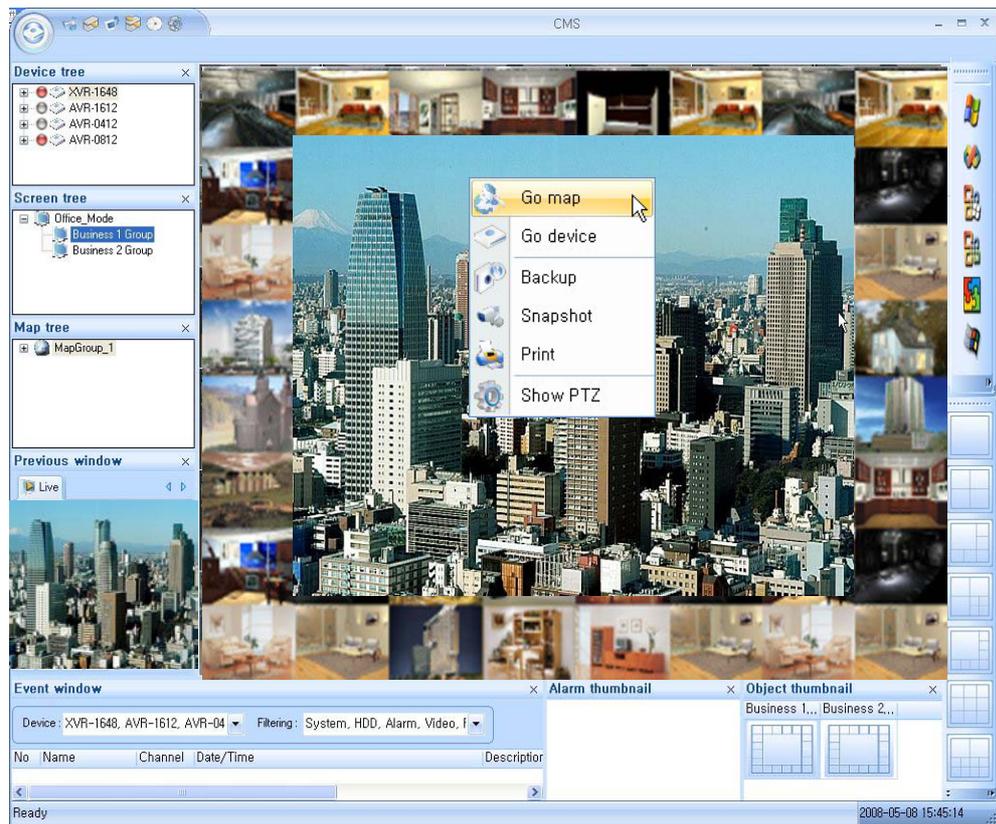
3.2.2 Screen Type of Camera Display

- It is a function to control each image of the camera by the mode that is administered through [\[2.3 Screen\]](#)
- Drag and drop the “Business 1 Group” of the Group list which is showing on the Screen tree into the Display Screen , the camera could be controlled as the installed screen mode.



3.2.3 Go to the Map

- When it is clicked the mouse on the screen, it would be displayed as below. Click the [Go map] button to move to selected image Map camera



3.2.4 Go to the Device

- Function to recognize which camera is being display on the screen
- **When it is clicked the** [Go Device] button of [\[3.2.3 Go to the Map\]](#) image, the selected Camera move to the registered Device and display

3.2.5 PTZ Control

- **Click the** [Show PTZ] button of the [\[3.2.3 Go to the Map\]](#) picture to control PTZ of selected camera

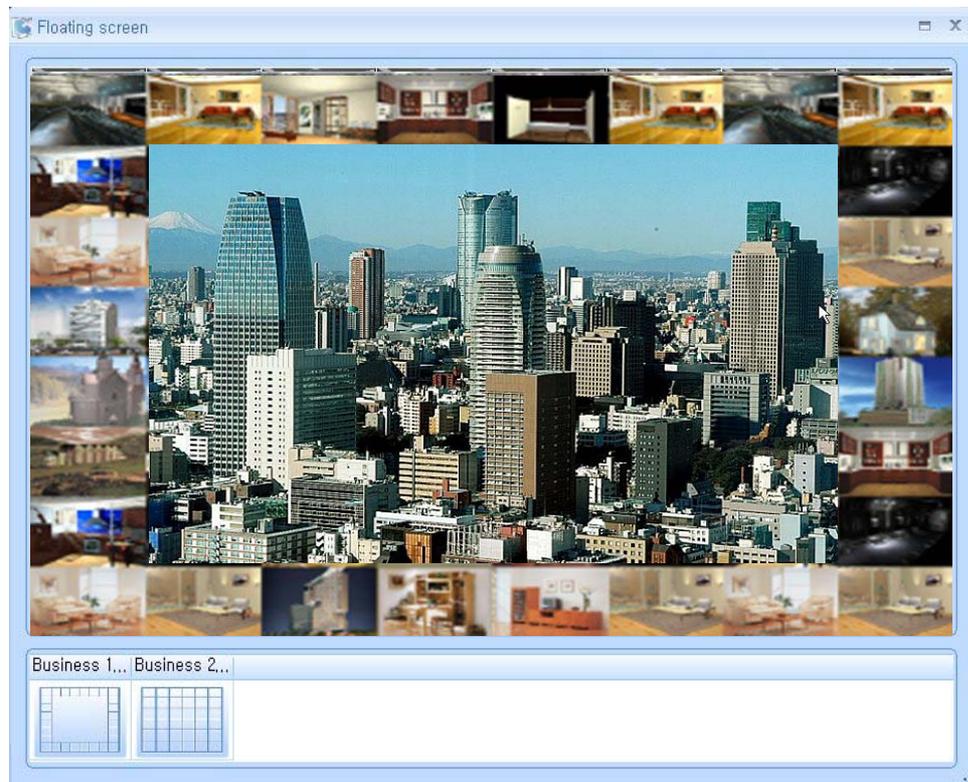
NOTE: See the [\[3.1.4\] PTZ Control](#)

3.2.6 Floating Function

- It is a function to monitor the several of the Screen Mode at the same time. Click the [Floating] button as the picture.



- It would be shown the Screen Floating picture. Choose the Screen Layout Floating, then could set up the Display



3.2.7 Live Backup

- When it is clicked the [Back up] button of the [\[3.2.3 Go to the Map\]](#), the Live Back up of selected screen would be installed

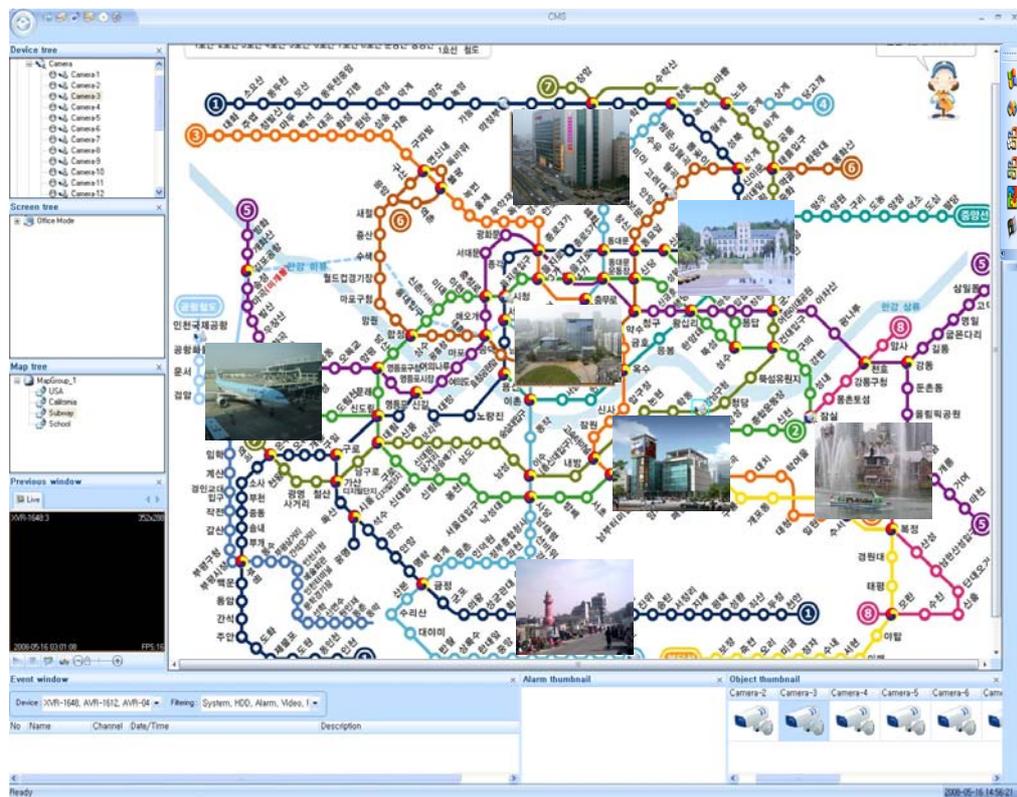
3.3 Map

3.3.1 Summary

- Function to enhance the effect of the space after register the appropriated camera in the image Map
- Could know the image of the camera and the information of the Control on the Map

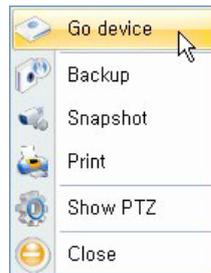
3.3.2 Camera Display in the Map

- It is a function to control from camera image of each registered Group by [\[2.4 Screen\]](#) to the screen of the Map image in the central
-
- Select the list what you would like to control on the Map tree. Drag into Display window then can monitor in central with installed image



3.3.3 Go to the Device

- It is a function to recognize which camera is being displayed on the screen of the Map image Map
- Click [Go Device] button after choose the camera on the Map image. Selected camera would be move to the registered device and display on the screen.



3.3.4 PTZ Control

- Can use the PTZ by click the [Show PTZ] after select which PTZ camera would be controlled on the Map image in [3.3.3 Go to the Device](#)

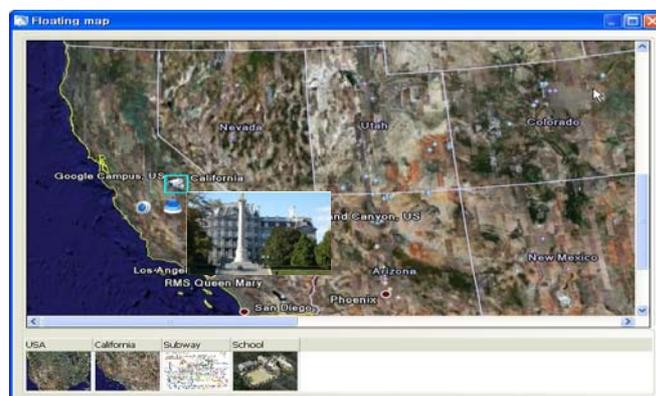
NOTE: See the [3.1.4 PTZ Control](#)

3.3.5 Floating Function

- It is function to Central monitoring the Map image and control camera at the same time. Click the [Floating] button as below

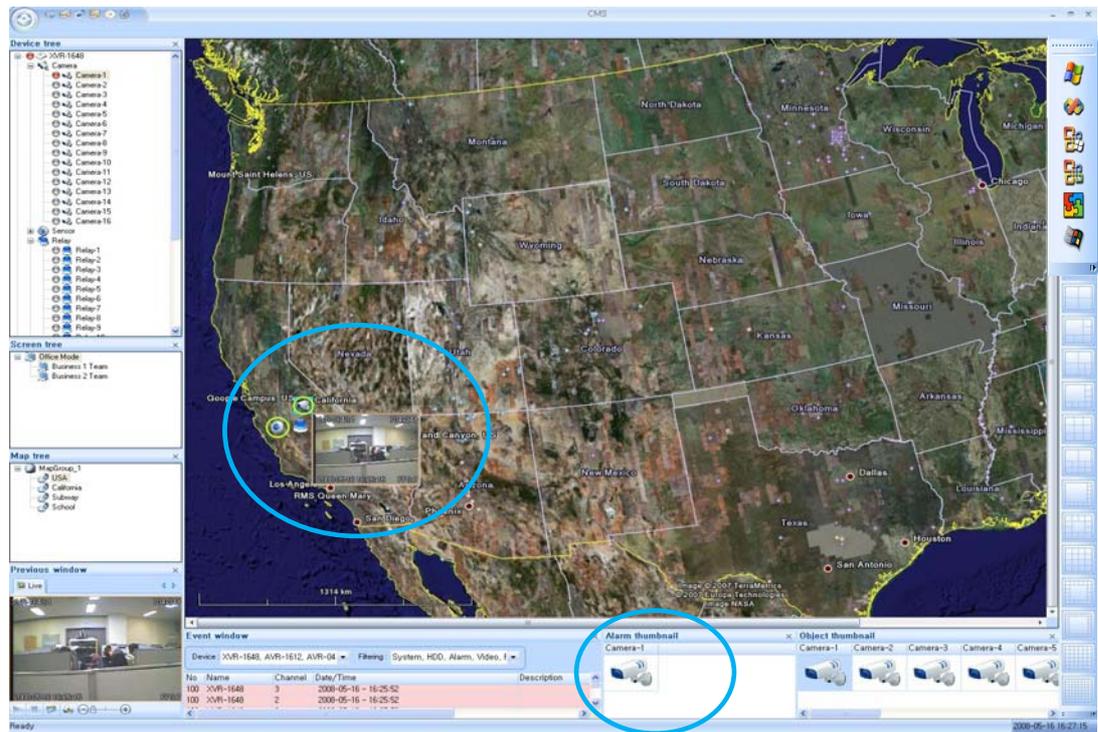


- It would be shown the Map Floating of the installed Group. Select the Map image of the below of Floating screen then it would show each Map image with the function of controlling the camera on the display.



3.3.6 Sensor State

- It would be seen as circle on the registered sensor icon and the camera with event log when the sensor occurs. Can recognize which sensor of camera was sensed easily.



3.3.7 Relay Control (On/Off)

- “On/ Off” the Relay by click the registered Relay icon on the Map image as below



3.3.8 Audio Control (Mic/Speak)

- Function to control the Microphone and Speaker on the registered Map image by click as below



3.3.9 Live Backup

- Real time Live image would be back up when it is clicked the [Back up] button watching the display image



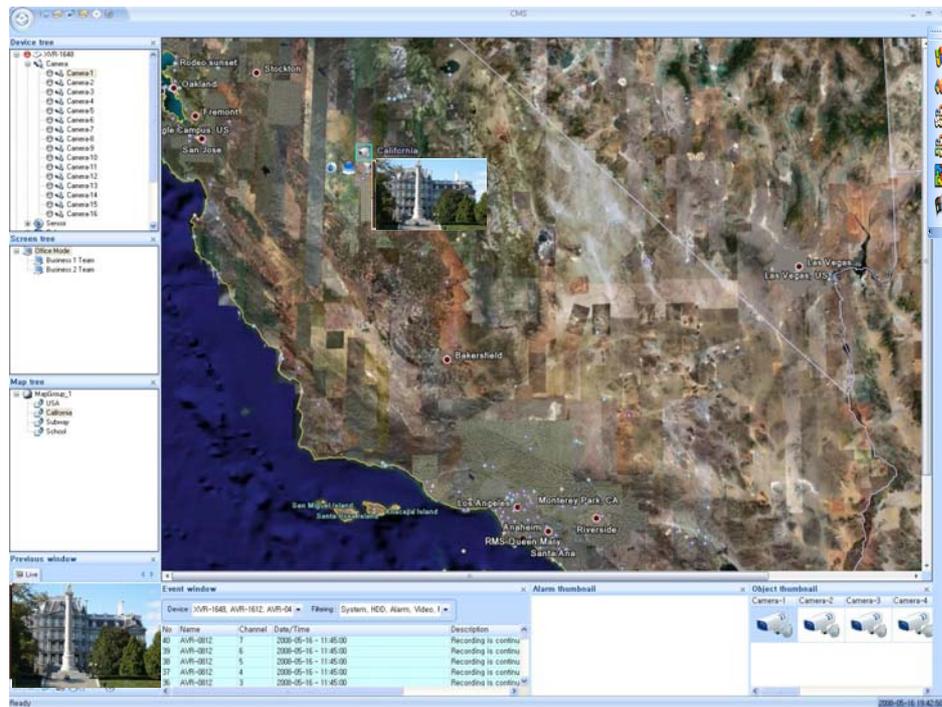
NOTE: See the [\[3.1.9\] Live Backup](#)
Selected Camera and the image would be back up

3.3.10 Map Link

- It would be move to the linked Map image when it is double clicked the linked icon of Map image as below



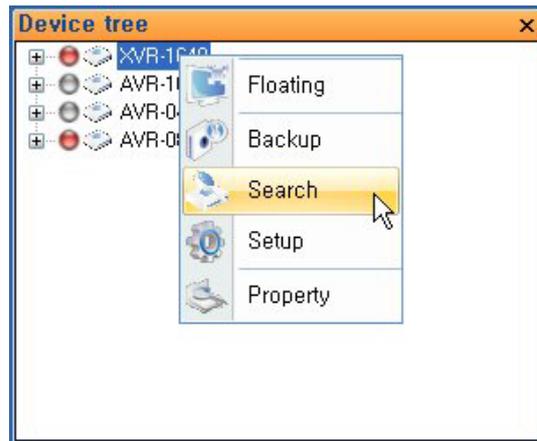
- Can know the direction of the camera easily through enlarged Map image



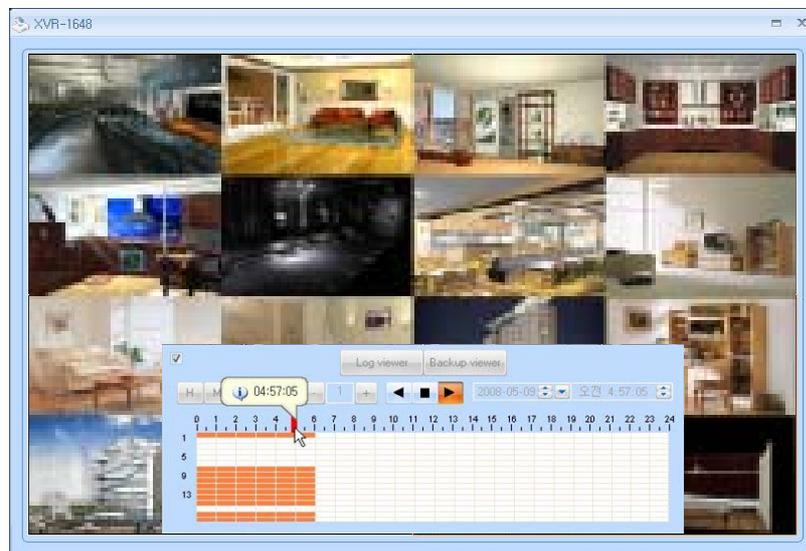
3.4 Search

3.4.1 Summary

- Function to report the information of the log and every events on the DVR
- Click the [Search] button as below



- Can search and display the Live back up information as below



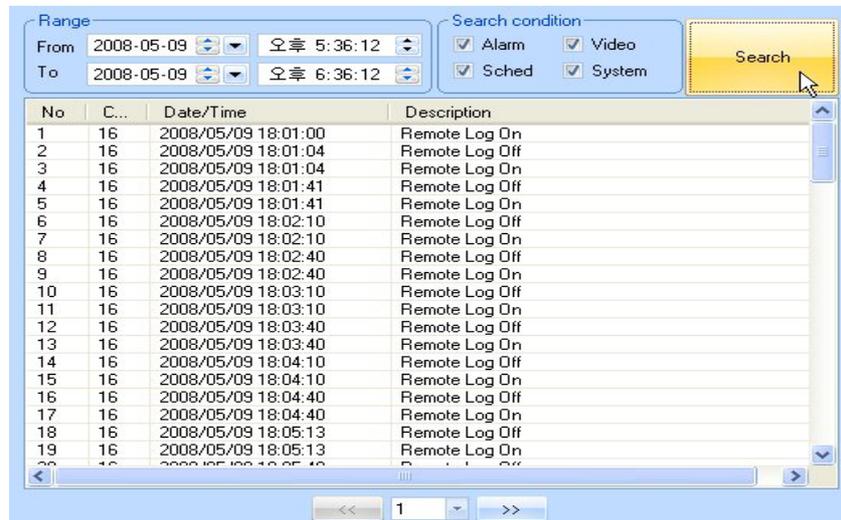
NOTE: Above is showing the information of saved image at 04:57
If the image was not saved, it would be shown as black



Function to hide or show the information of the Play Control. The Play Control window would be disappeared when do not check the check box.

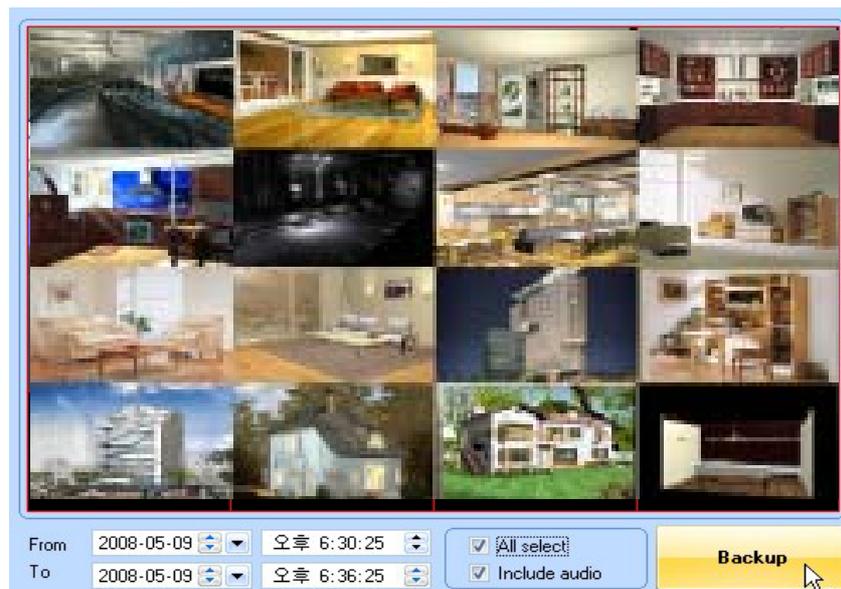
3.4.1 Log View

- Click the [Log viewer] on the Search mode, the “Log Viewer” window would be shown as below. Then, can see the Log by giving the search requires as below



3.4.2 Backup View

- When it is clicked the Backup Viewer on Search mode, “Backup Viewer” window would be appeared as below. Then, Back up the saved image of the DVR by giving the search requires as below.



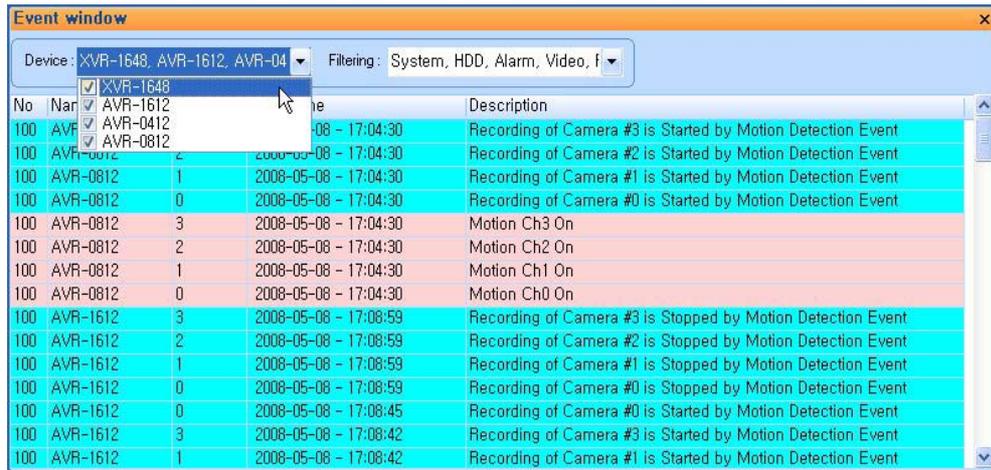
3.5 Event Log

3.5.1 Summary

- Function to show the information of the event as a list from the registered camera

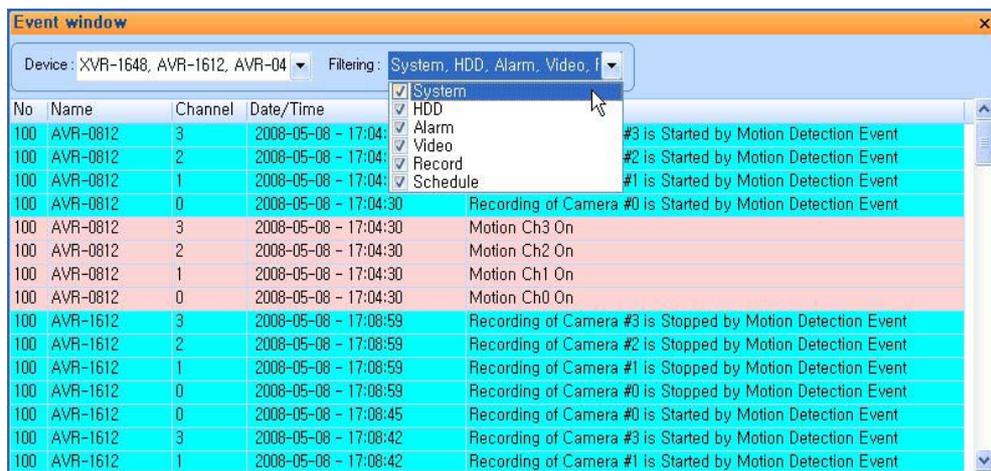
3.5.2 Device Event Log

- Can see the Event information of the log by choosing the device individually



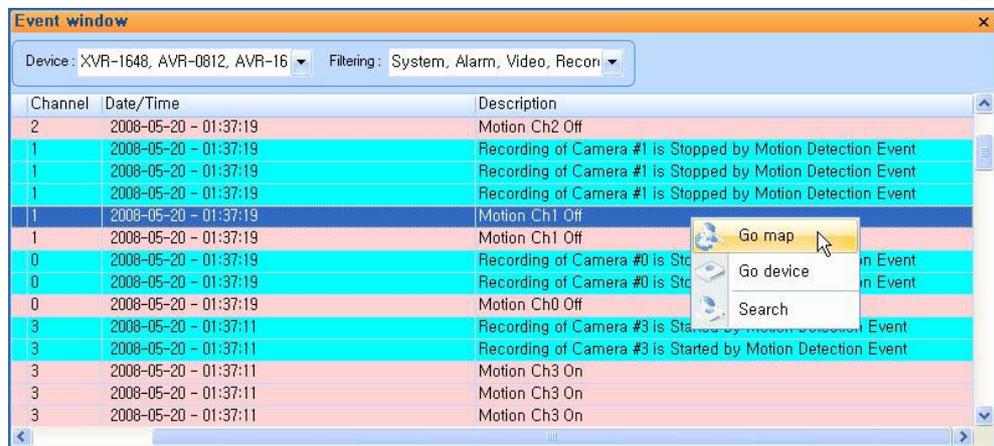
3.5.3 Filtering Event Log

- Can see the Event information of the log by selecting what would be Filtered



3.5.4 Go to the Map

- Function to move to “Device” or “Map” of the event occurred camera



NOTE: See the [3.1.3 Go to the Map](#)

3.5.5 Go to the Device

- Click [Go device] on the [3.5.4 Go to the Map](#), it would be moved to the device of the camera matches with occurred event and display the screen

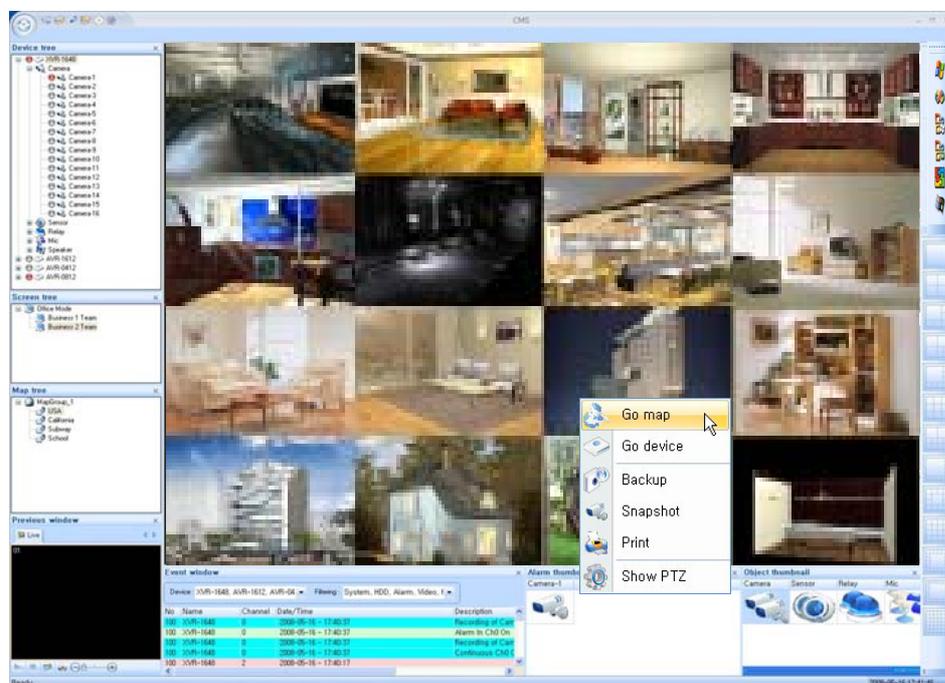
3.6 Alarm List

3.6.1 Summary

- Function to manage the information of the event precisely and promptly by Indicate the received event information from the camera of registered device.

3.6.2 Alarm thumbnail Display Object

- When the alarm event occurs during CMS, the event list would be appeared on the “Alarm thumbnail window”
- Click “Go Map” button on the list, go to Map image and could know where the alarm comes out easily.

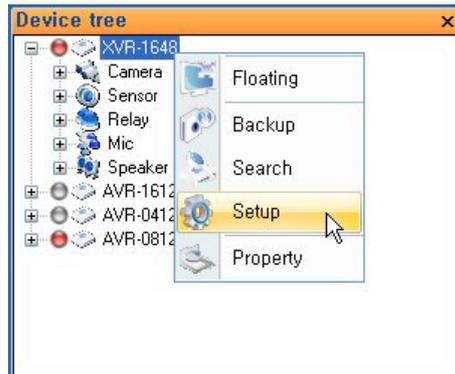


NOTE: See the [\[3.3.5 Sensor State\]](#)

3.7 Remote Setup

3.7.1 Summary

- Function to Set up the Remote agent of registered DVR Device.
- Can set up the Remote Set up and Record by each product model
- Click “Device tree” ⇒ [Setup] button



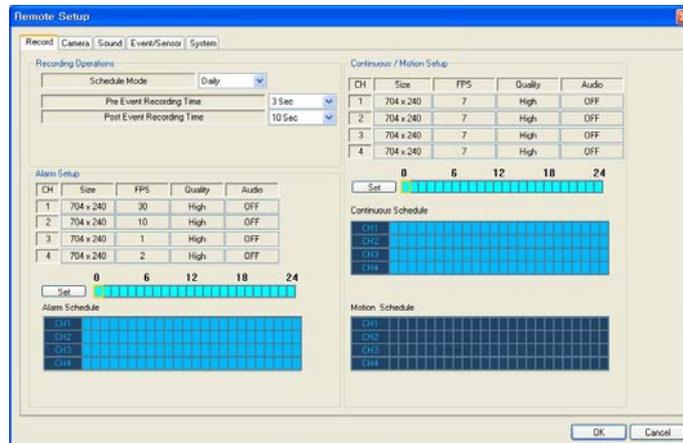
- Can set up the each device by click [System] and [Record] button



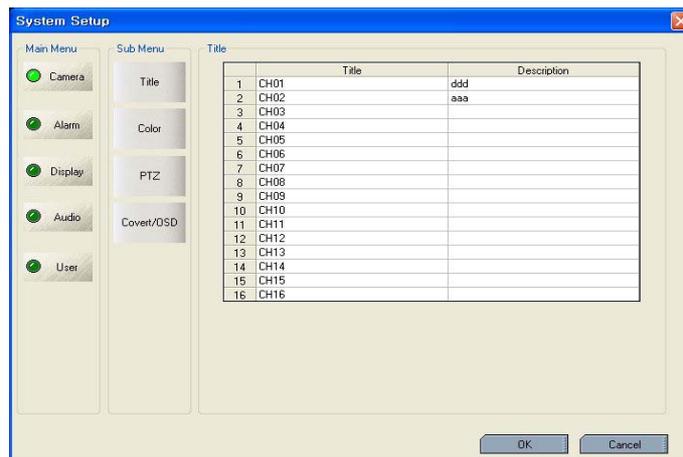
NOTE: The Set up menu would be seen differently by the given model (HTL, HTR) of ITX Security. See the “Menu” of each model for the Remote System Setup & Record. For the case of HTR, “Setup Select” window would manage the “Set up” optionally

3.7.2 Device Setup Function

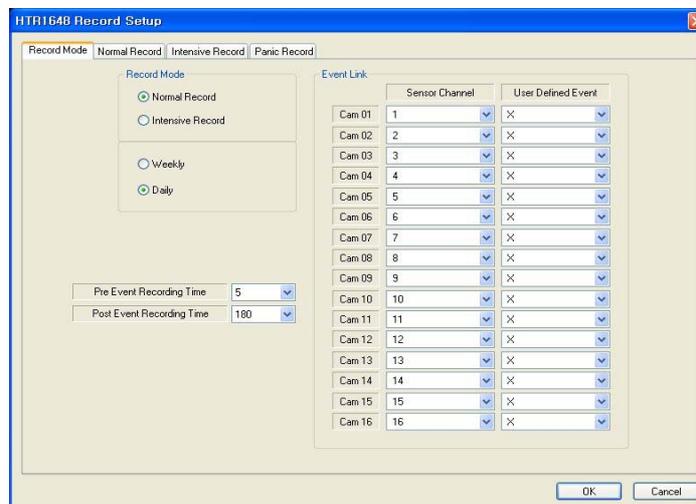
- Set up screen is as below for the HTL-0412



- System Set up screen is as below for the HTR-1648



- Record Set up screen is as below for the HTR-1648



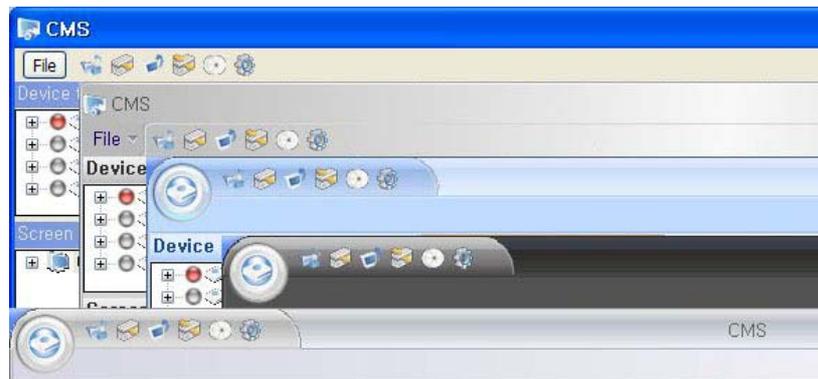
4 Addition Function

4.1 Skin Change

- It is a function to change all the skin image of CMS Standard by each window theme
- It support the window theme skin as below



- The whole image skin would be changed to selected theme when click the Theme button



4.2 Database or Profile Export

Function to Back up the registered Device or User information on the [\[2. Registry setup\]](#) by “Database” or “Profile”

- Select “Export Setup” ⇒ “Database” or “Profile” as below
- Can see the Dialog window where the data could be saved
- Click the Enter after assign the Directory then could see the “User Account. FDB” or “DATABASE.DB” was made on the specified Directory



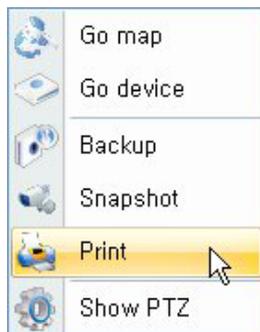
4.3 Database or Profile Import

- Click the [Database] as below. When it is clicked the [Enter] after assign the “DATABASE.DE”, it would be restore the Database file that is completed back up



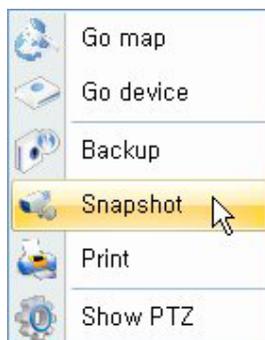
4.4 Out of Print

- Function to print the selected image from the camera. Click the [Print] as below, could print



4.5 Snapshot Save

- Function to save the selected image of camera to image file. Click the [Snapshot] as below, can save the present image with showing on the screen



4.6 Previous Window

- Function to Display the selected device of camera and control Live Play back, Live stop, Snapshot, Print and Zoom



4.7 BackupPlayer

- Backup Player is the program that can playback the saved image which is distributed by ITX Security Co., Ltd



NOTE: Media file as MPEG could not make Reverse play. It would be needed "BackPlayer" for the reverse play of saved image . Only need the forward play, it could be possible with normal media player.



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