

CMS user manual

CENTRAL MONITORING SYSTEM



Version 1.1(2005.12)

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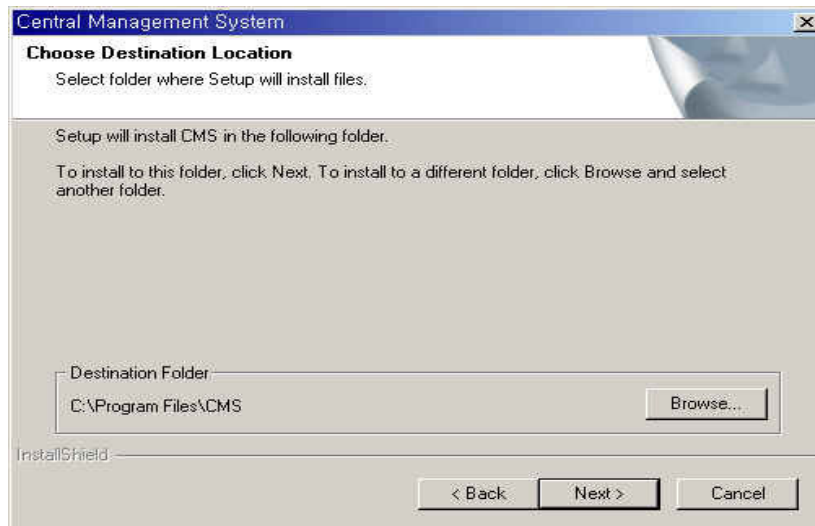
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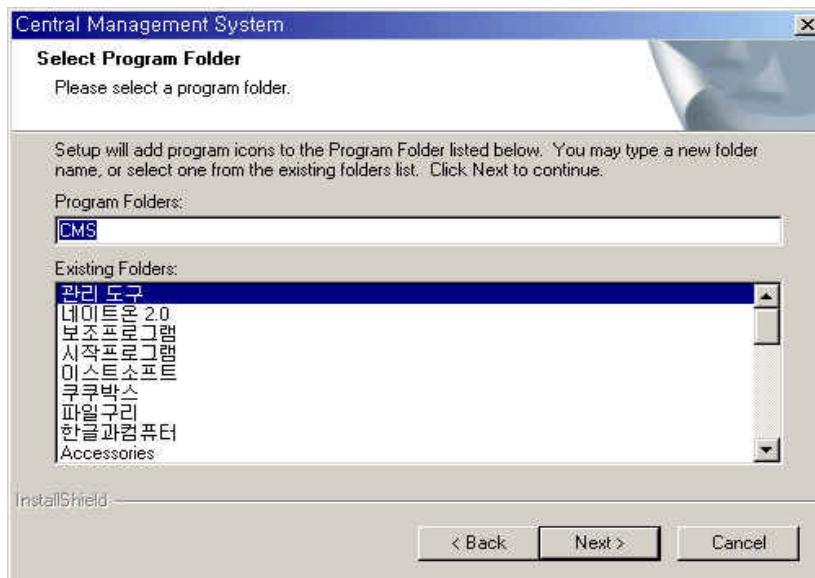
1 Installation

1.1 Program Installation

- Run **Setup.exe** file in the installation CD.
- Default installation directory is **“C:\program files\CMS”**.



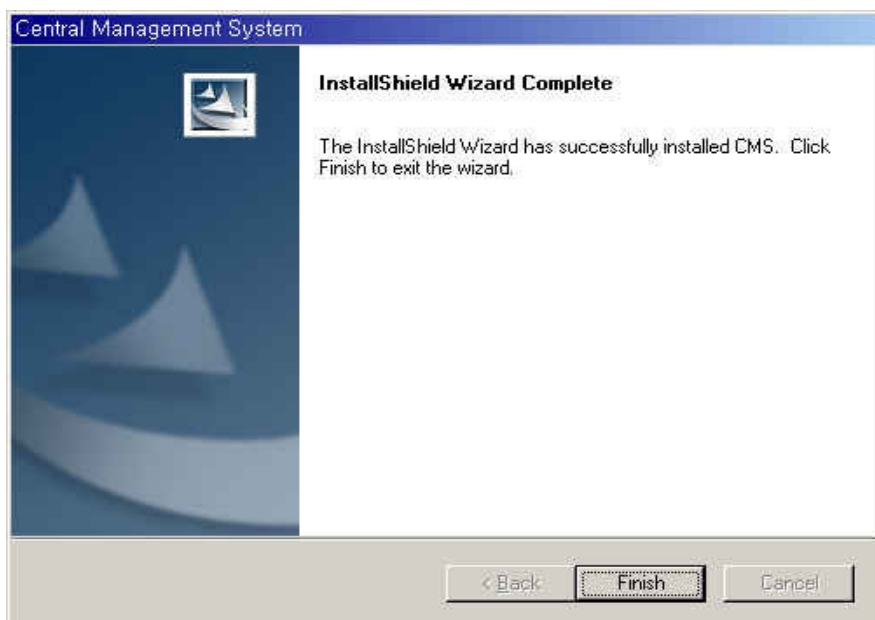
[pic.1.1 – Set installation directory]



[pic.1.2 – Set program folder]



[pic.1.3 – Installation process]



[pic.1.4 – Installation complete]

1.2 Program Uninstallation

- Control Panel -> Add/Remove Programs ->Select CMS and press remove button

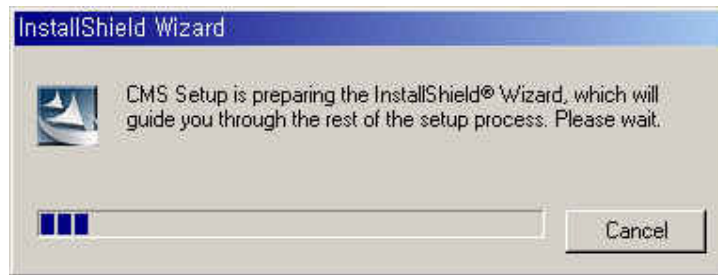


[pic.1.5 – Control panel-Add/Remove program]

- Click “Yes” when the program ask to confirm Uninstallation.



[pic.1.6 – Confirm Uninstallation]



[pic.1.7 – Uninstallation process]

- After successful Uninstallation, below message will appear.



[pic.1.8 – Program Uninstallation complete]

2 Running the Program

2.1 Agent Server

2.1.1 Running Agent Server

- Start – Program – Startup : Click AgentServer menu or after the program is installed, double click AgentServer.exe to run the program from the installed directory. When the program run, it will register itself to system tray like below.



[pic.2.1 – Agent Server]

- AgentServer program must be running to receive DVR event message.

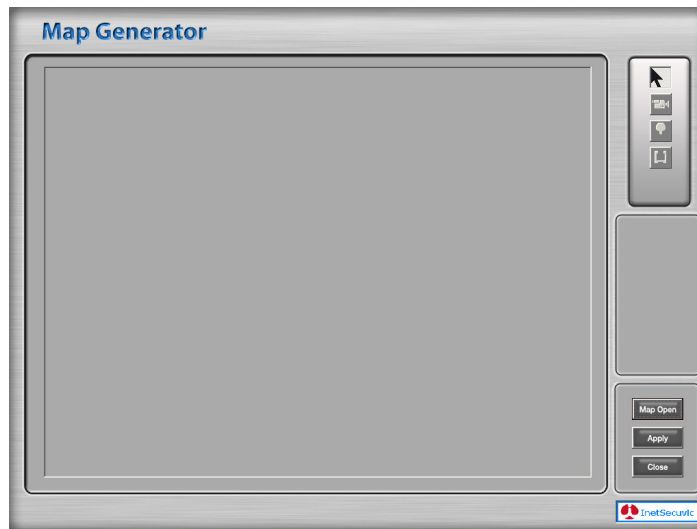
2.1.2 Agent Server exit

- Right click the tray icon to call up the menu and select 'Exit' to finish program.



2.2 Map Generator

- Start – Program – CMS : Click Map Generator menu or double click Map Generator icon on the desktop screen to run the program. User can also run the Map_Gen.exe file from the installed directory.



[pic.2.2 – Map Generator starting screen]

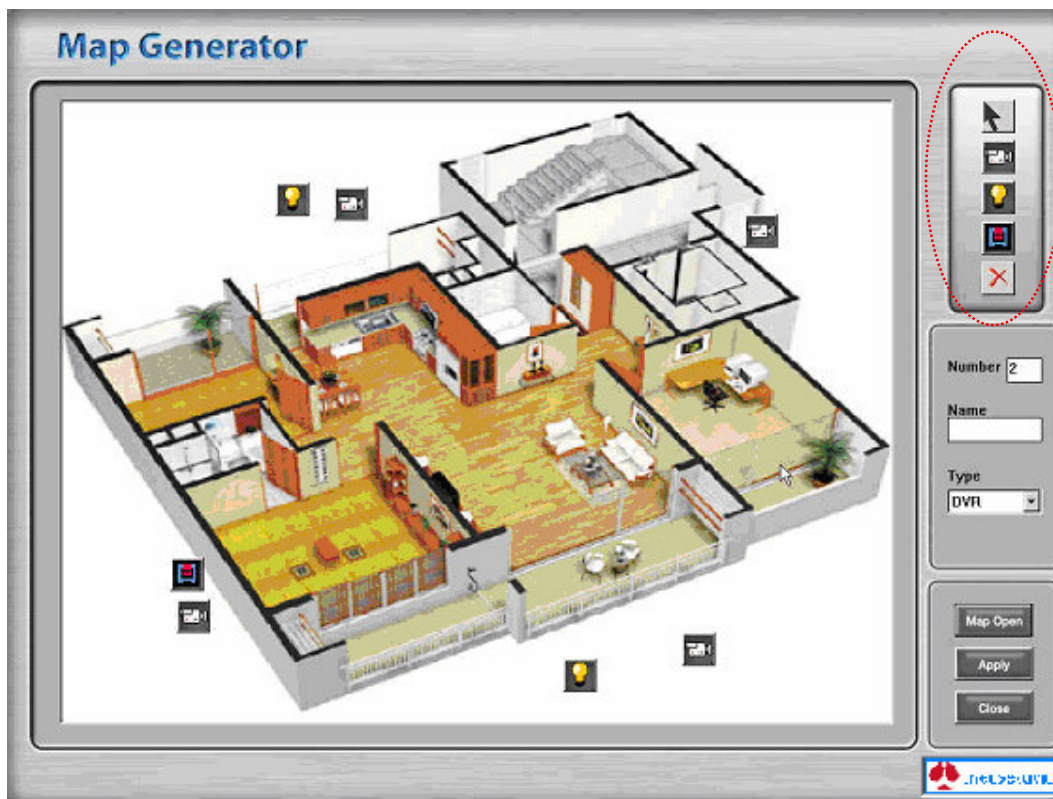
2.2.1 Calling on Map Image

- Click “Map Open” button to open file open dialog. Select file for map screen and open. Selected image will appear as map screen and you can set the camera/sensor/relay. Only jpg and bmp files can be used as map.

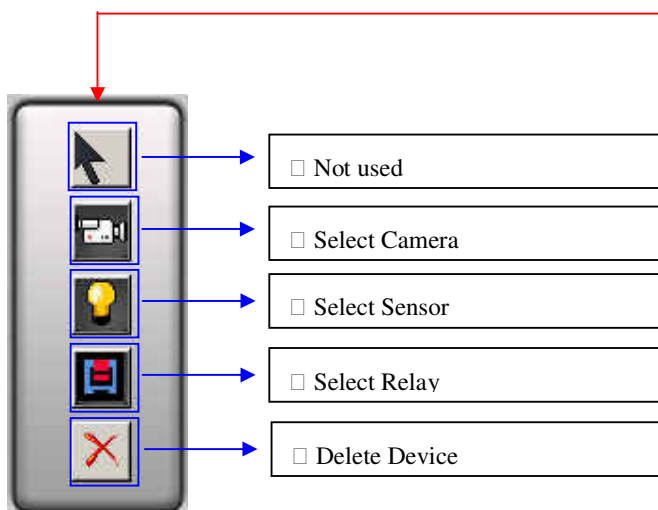


[pic.2.3 – Calling on Map Image]

2.2.2 Map Setting

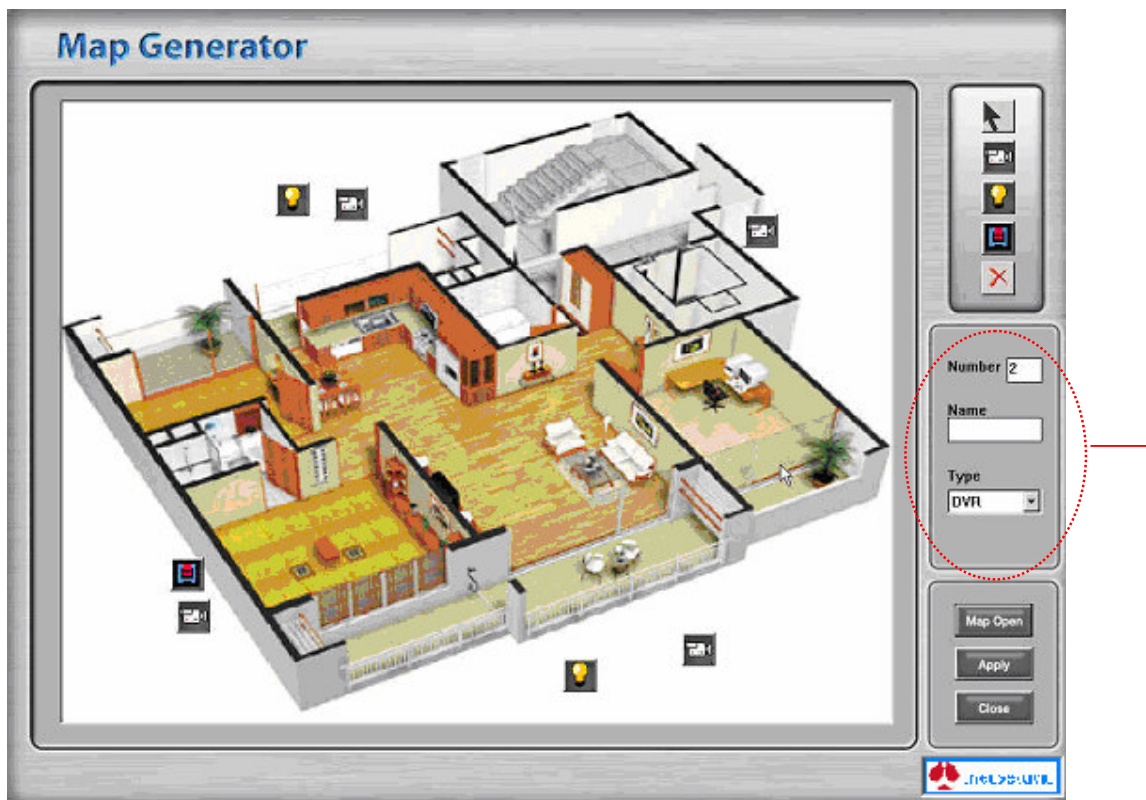


[pic.2.4 – Map Setting]



2.2.2.1 Camera Setting

- Drag and drop the camera icon to desired location. Drag and drop the camera icon again to move location.

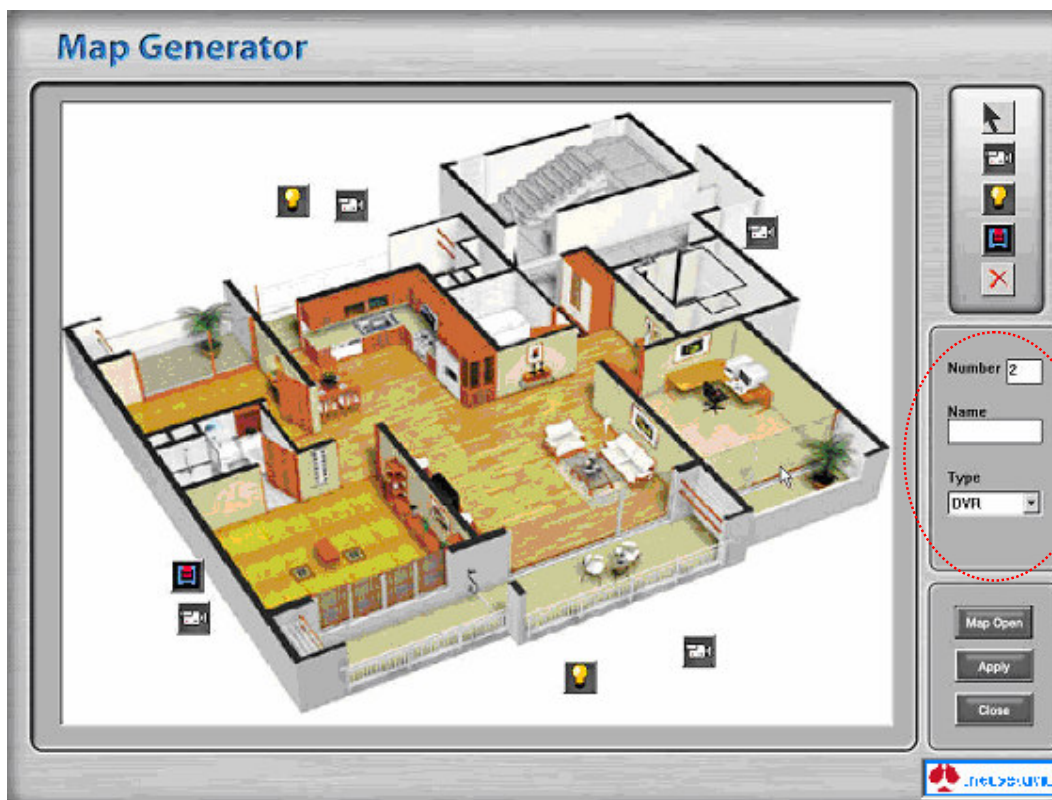


[pic.2.5 – Camera Setting]

- Click camera icon in the map to input additional camera information. Input information about camera number, name, PTZ capable. If no input, camera number will be same as camera index, and camera name will be “Camera” + camera number by default.

2.2.2.2 Sensor Setting

- Drag and drop the Sensor icon to desired location. Drag and drop the Sensor icon again to move location.

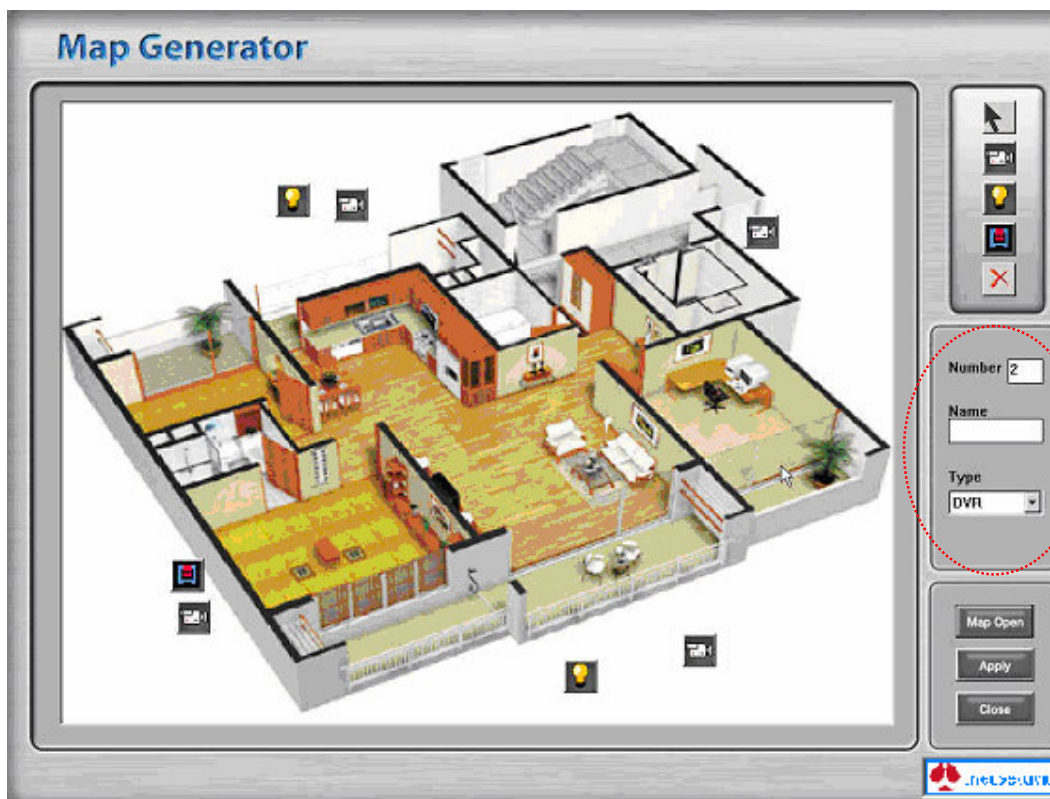


[pic.2.6 – Sensor Setting]

- Click Sensor icon in the map to input additional Sensor information. Input information about Sensor number, name, connected camera number. If no input, Sensor number will be same as Sensor index, and Sensor name will be "Sensor" + Sensor number by default.

2.2.2.3 Relay Setting

- Drag and drop the Relay icon to desired location. Drag and drop the Relay icon again to move location.

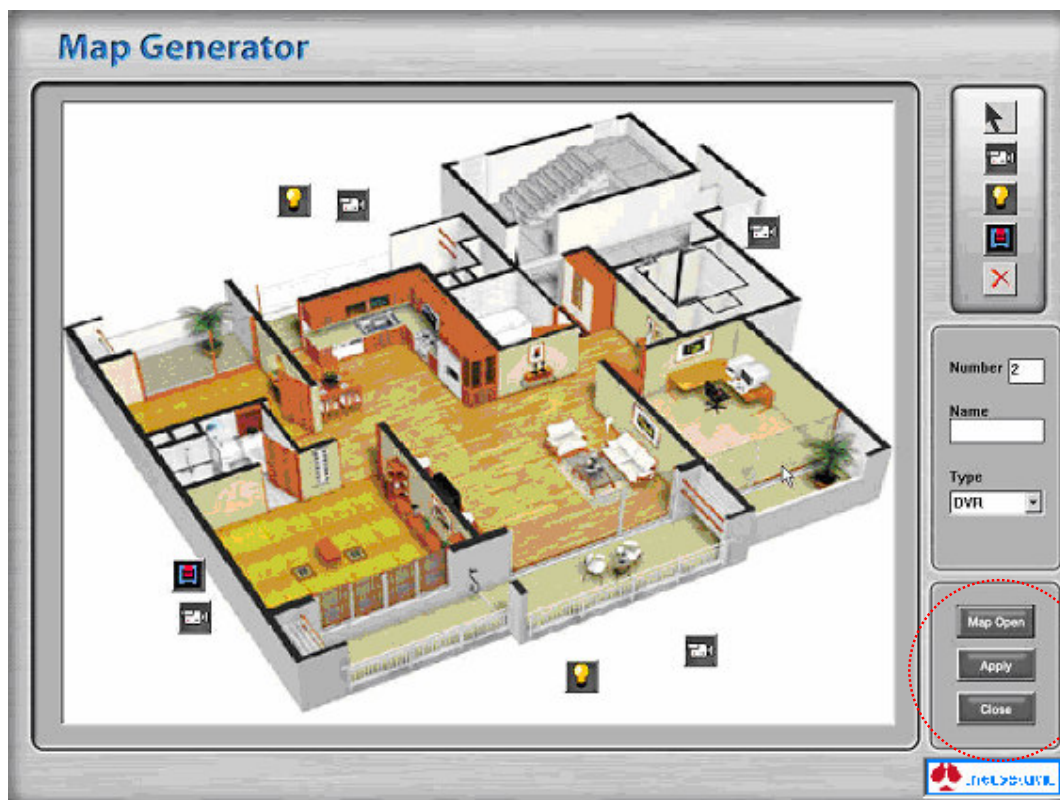


[pic.2.7 – Relay Setting]

- Click Relay icon in the map to input additional Relay information. Input information about Relay number, name, Relay type. If no input, Relay number will be same as Relay index, and Relay name will be “Relay” + Relay number by default.

2.2.3 Apply Map Setting

- Press 'Apply' button after setting the camera, sensor, relay location.
- This setting will be saved as a separate file and you can open this file later to add/edit/delete the map.
- You can select the map from the CMS main program's DVR setting to monitor events of selected map.



2.2.4 Finish Map Generator

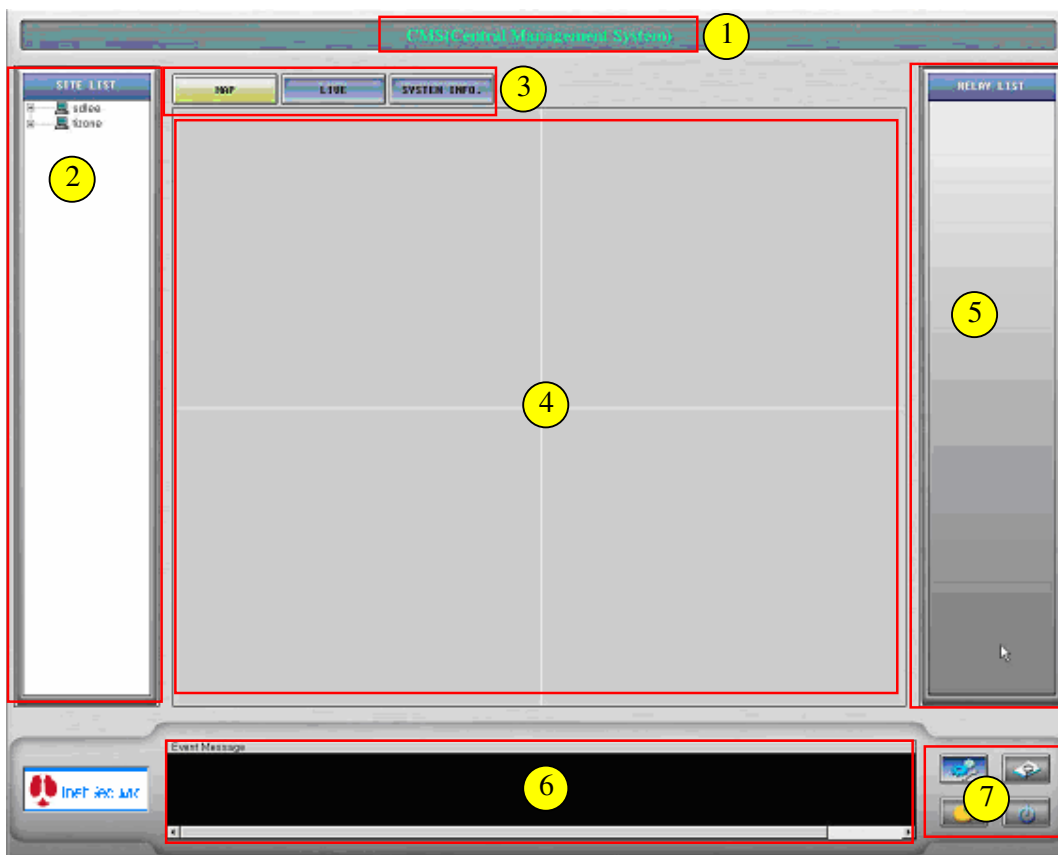
- After the Map setting, press 'Close' to finish Map Generator.

2.3 CMS

2.3.1 Run CMS

- Start – Program – CMS : Click CMS menu or double click CMS.exe from the installed directory to run program.
- In order to run the CMS correctly, user must change the monitor resolution to **1280 x 1024 resolution**.
- Input user name and password.
(default user name is “admin”, password is “admin”)





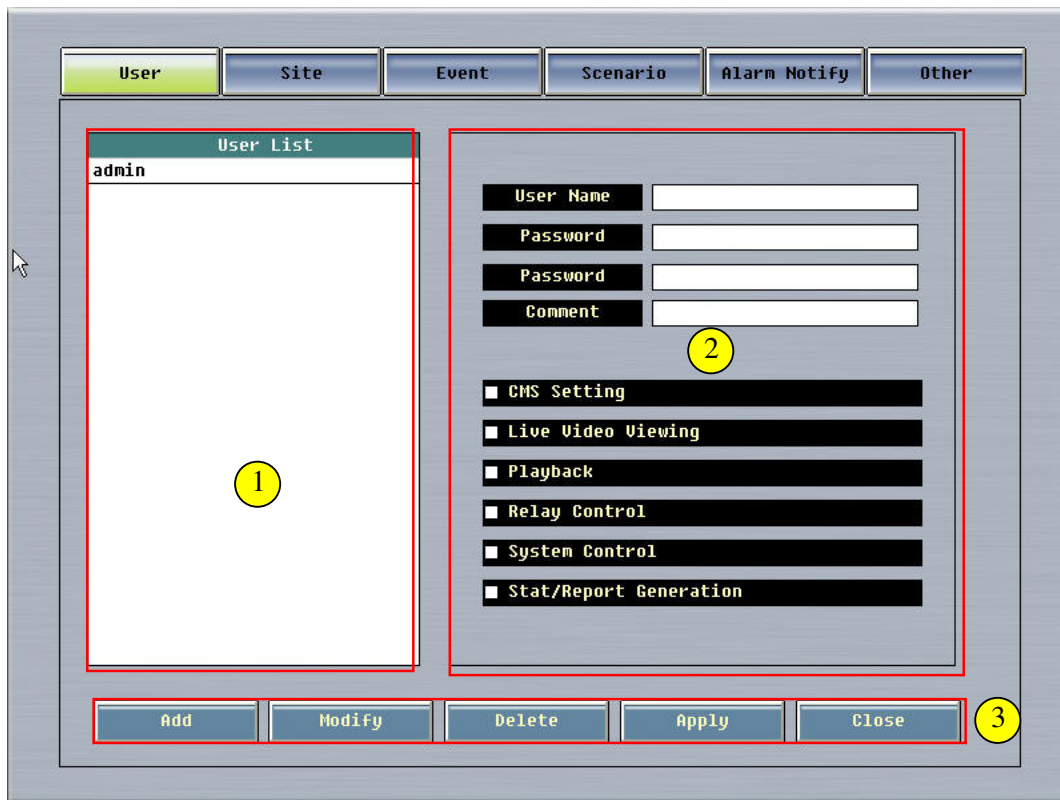
[pic.2.8 – CMS starting Screen]

- Program Title Bar
- DVR Site List
- Map/Live/Search/System information swap function tab
- Map/Live/Search/System information display screen
- Relay List
- Event Log List
- Setting/statistics/search/finish function button

2.3.2 CMS setting

- Press Setting button in the [pic.2.8] (a **7**) location)

2.3.2.1 User Registration



[pic.2.9 – User Registration]

- Show registered user list.
 - If you select a user from the list, according information will be displayed in **2** Area.
- User information and authority will be noted and edited in the area.
 - CMS Setting : CMS setting change authority
 - Live video viewing : Live Video Viewing authority
 - Playback : Remote search authority
 - System Control : System reboot/shutdown authority
 - Stat/Report Generation : Statistics and Report program use authority

- Function Button
 - Add : Add DVR
 - Modify : Modify existing information
 - Delete : Delete selected DVR setting information
 - Apply : Apply modified DVR setting information
 - Close : Close setting screen

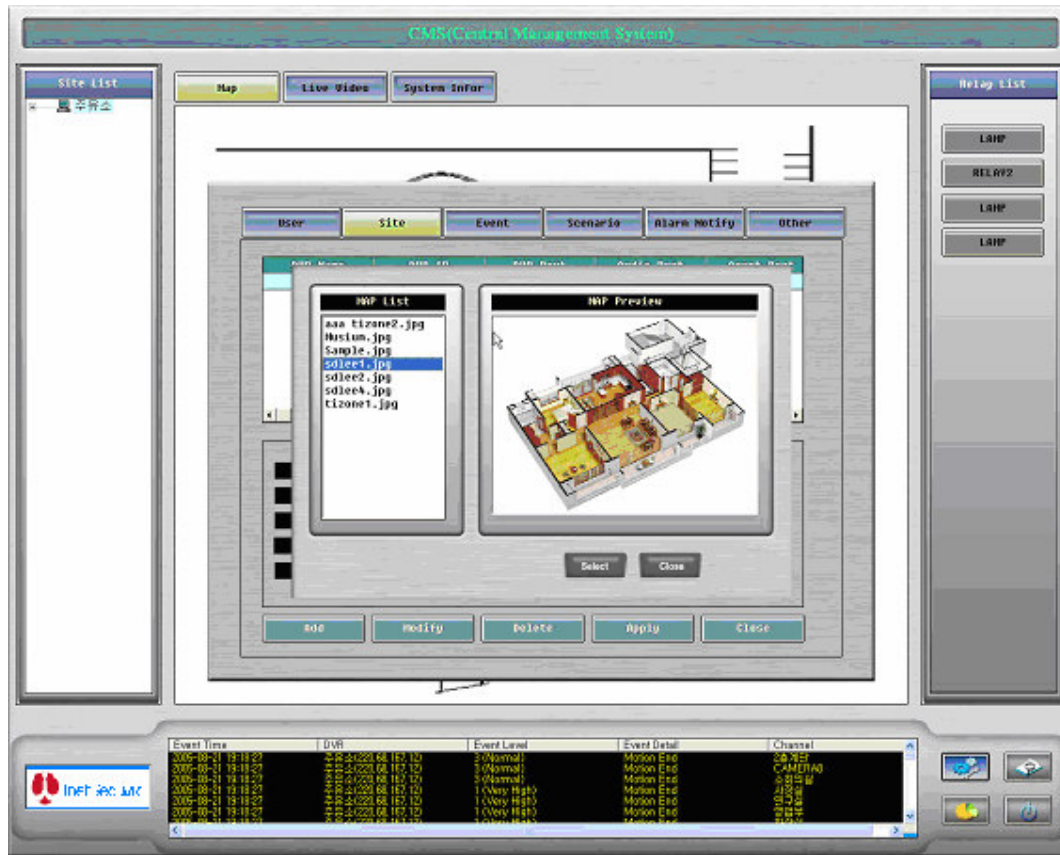
2.3.2.2 DVR Registration

| DVR Name | DVR IP | DVR Port | Audio Port | Agent Port |
|----------|---------------|----------|------------|------------|
| 주유소 | 220.68.167.12 | 6808 | 6809 | 8801 |

DVR Name: Map 1: ...
 IP Address: Map 2: ...
 DVR Port: Map 3: ...
 Audio Port: Map 4: ...
 Agent Port:

[pic.2.10 – DVR Setting]

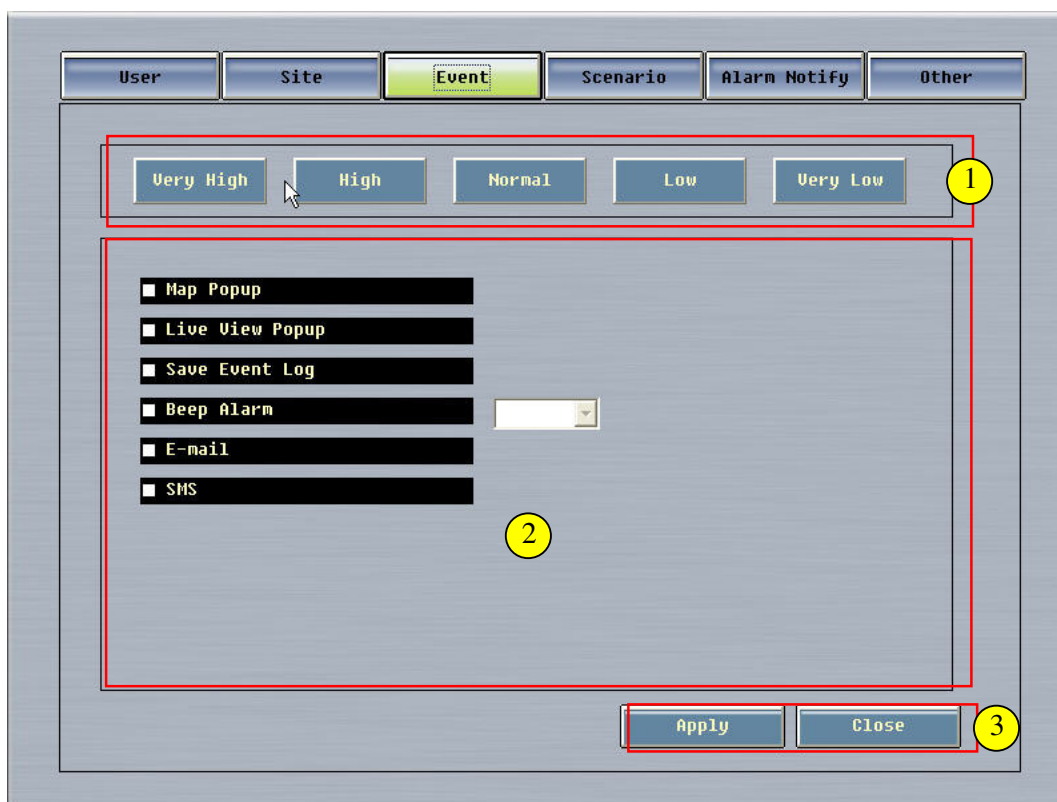
- Show registered DVR list and their setting information.
 - If user select the DVR from the list, selected DVR will change to sky blue color.
- Data area where user input new DVR information, or edit existing DVR information.
 - DVR port, Audio Port, Agent port should be as recommended as above, but modifying will not affect any performance.
 - If user want to setup Map, press right side button of each text field (Map1~4) to open up [pic.2.11] screen. User can have up to 4 maps connected to one DVR site. This map should already have modified adding cameras and sensors from the Map Generator in chapter 2.2
 - Select map from the list and press 'Select' button.



[pic.2.11 – Map Setting]

- Other Function key
 - Add : Add DVR
 - Modify : Modify existing information
 - Delete : Delete selected DVR setting information
 - Apply : Apply modified DVR setting information
 - Close : Close setting screen

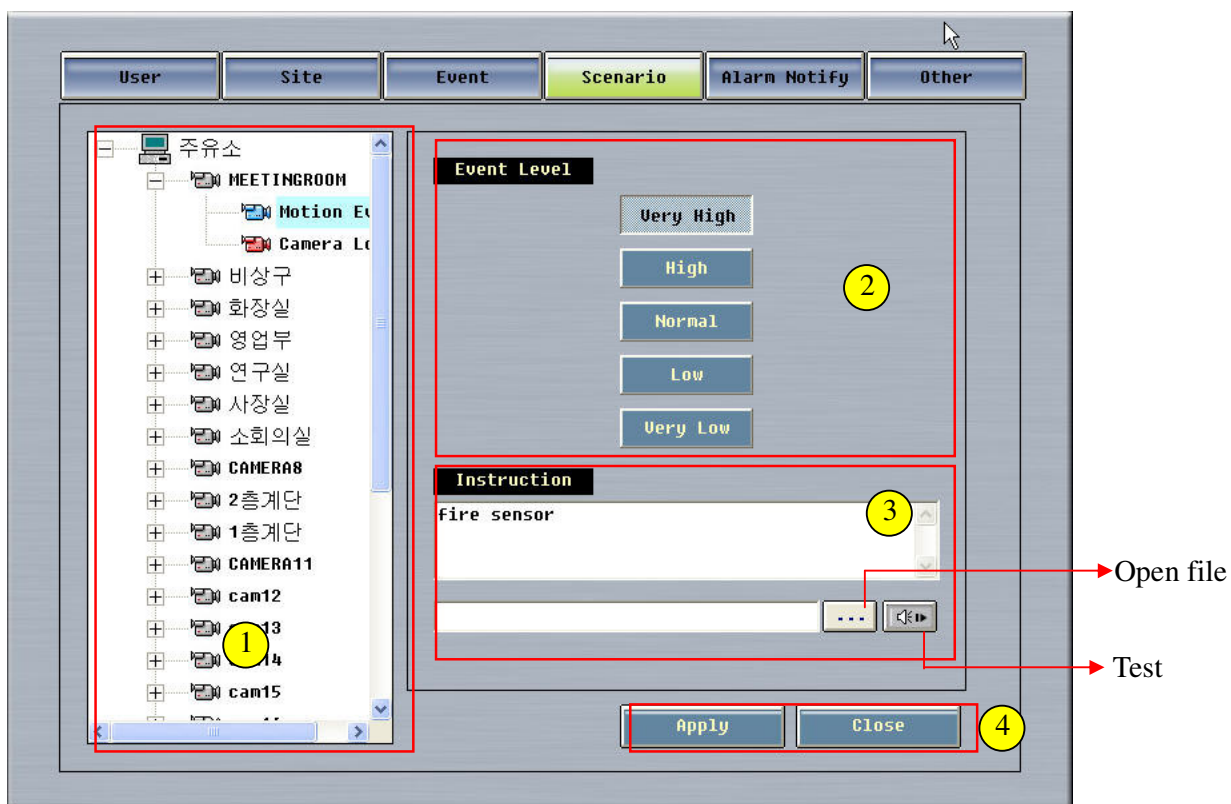
2.3.2.3 Event Level Alarm Setting





[pic.2.12 – Event Level Alarm Setting]

- Set Alarm event level.
- Set Alarm kind according to event level.
 - Map Popup: If check this box, event will pop up map window.
 - Live View Popup: If check this box, event will pop up live video window of event site.
 - Save Event Log: If check this box, event will save to Database.
 - Beep Alarm : Set how many times the beeper will beep (pull down menu will let user choose from 1 to 5 beeps)
 - E-mail , SMS : Set to send E-mail or SMS when event occur. (SMS function will be optional/additional cost)
- Function key
 - Apply: Apply edited event level alarm to map.
 - Close: Close setting window

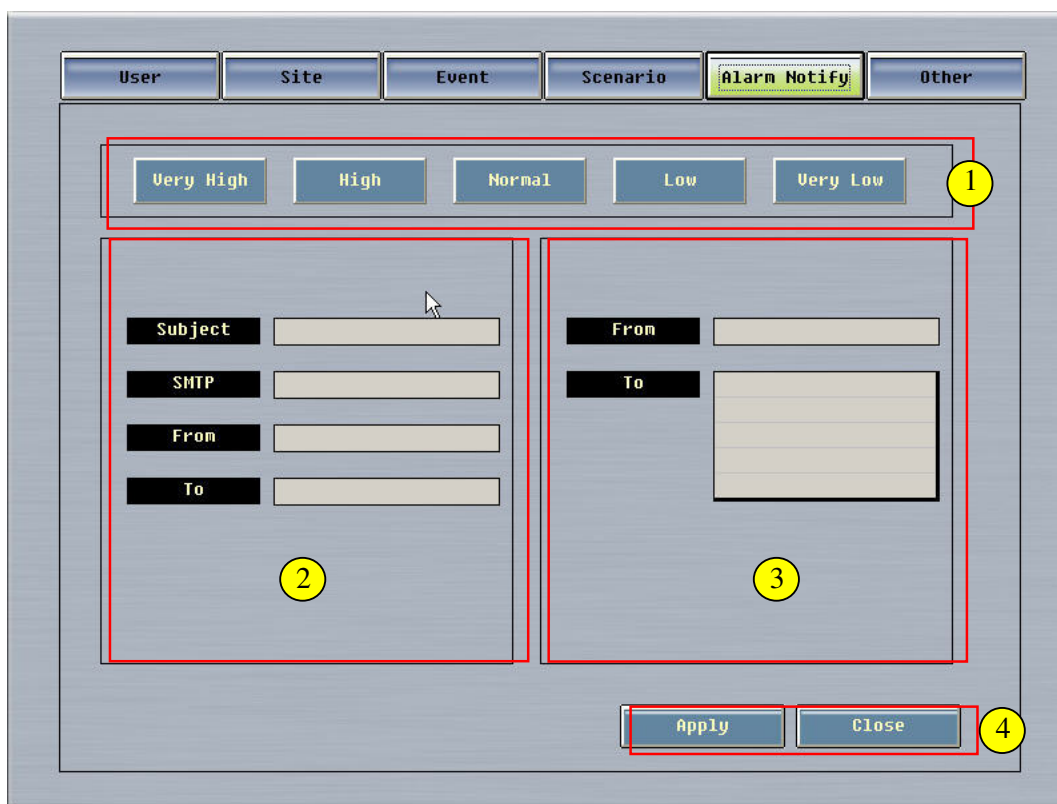
2.3.2.4 Event Scenario Setting



[pic.2.13 – Event Scenario Setting]

- Show registered DVR/camera/sensor list. Select event from the tree directory.
- Select event level of the selected camera/sensor from the tree.
- Text input of detailed action scenario of the selected event from the tree. Additional sound file can be selected to be played with the alarm by pressing the  button. You can also listen to the sample sound file by pressing the  button.
- Additional Keys
 - Apply: Apply the changed event alarm setting.
 - Close: Close setting window.

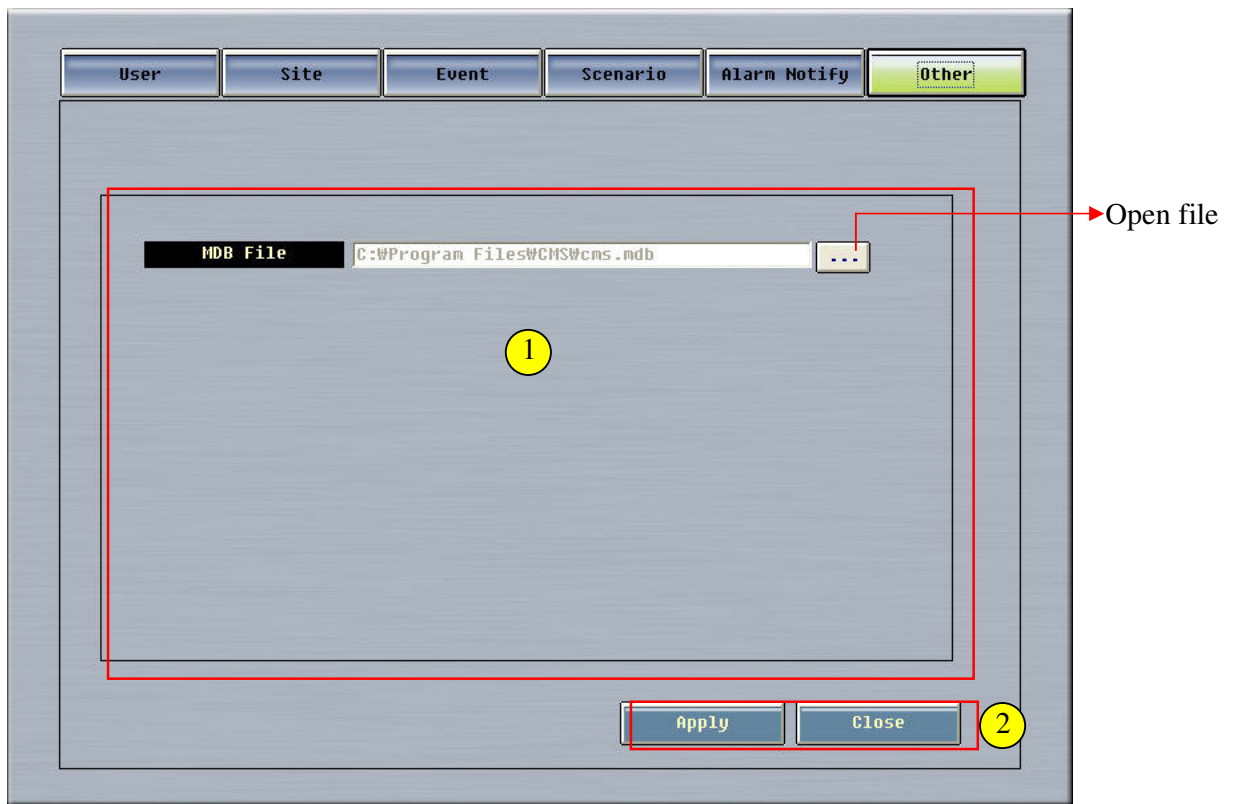
2.3.2.5 Email & SMS Setting




[pic.2.14 – Email & SMS setting]

- Select the event level of the event.
- Check box next to e-mail to use input field.
 - Subject: Subject of Email.
 - SMTP: Address of SMTP.
 - From: Sender’s e-mail address.
 - To: Receiver’s e-mail address.
- Check box next to SMS to use input field.
 - From: Sender’s hand phone number.
 - To: Receiver’s hand phone number. (Double click the grid to input.)
- Additional Keys
 - Apply: Apply the changed event alarm setting.
 - Close: Close setting window.

2.3.2.6 Database Setting

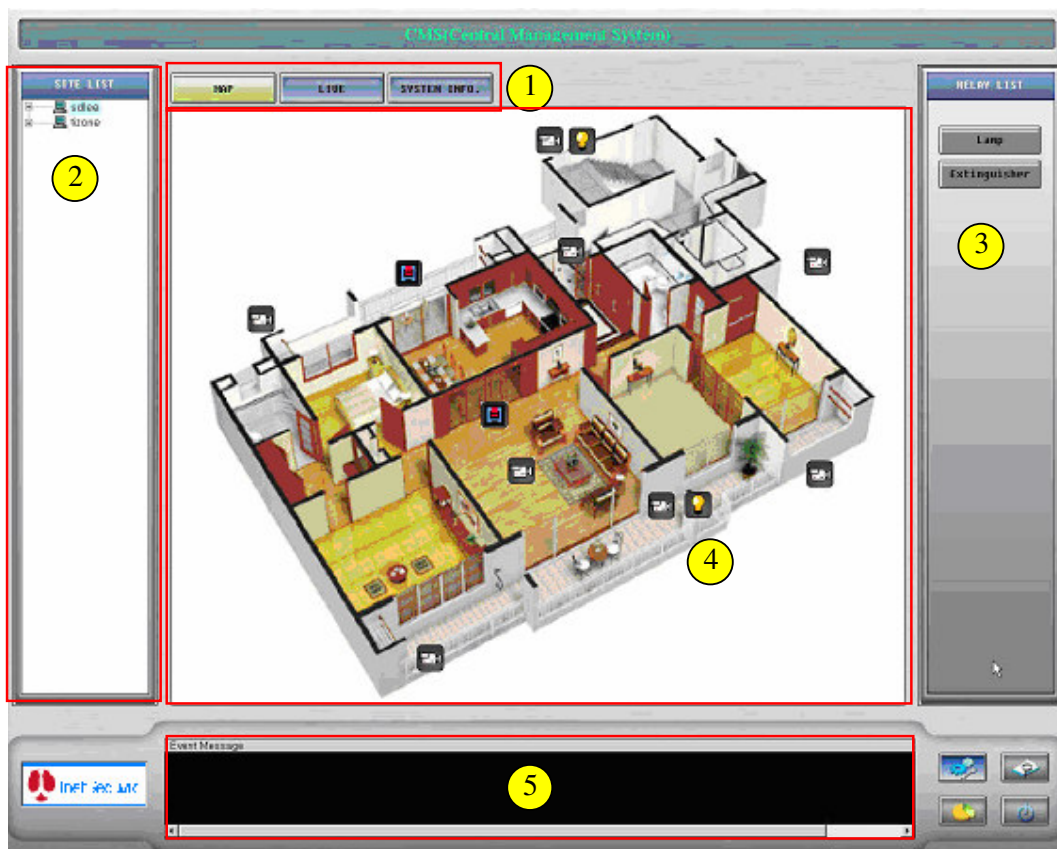


[pic.2.15 – Database Setting]

- MDB setting : At the installed directory, open cms.mdb file by pressing  button to designate the file path.
(Default path c:\program files\cms\cms.mdb)
- Additional Keys
 - Apply: Apply the changed event alarm setting.
 - Close: Close setting window.

2.3.3 Main Program

2.3.3.1 Map display and device control



[pic.2.16 – Map Display screen]

- Press “MAP” button to display list’s map. Maximum map is 4, and you can change 1 screen or 4 screen map by double clicking screen.
- Double click the camera icon to view channel’s live video like [pic.2.17]
- Double click the relay icon or press relay button in to control relay real time.
- When there is event, the icon in map will blink or change according to event.

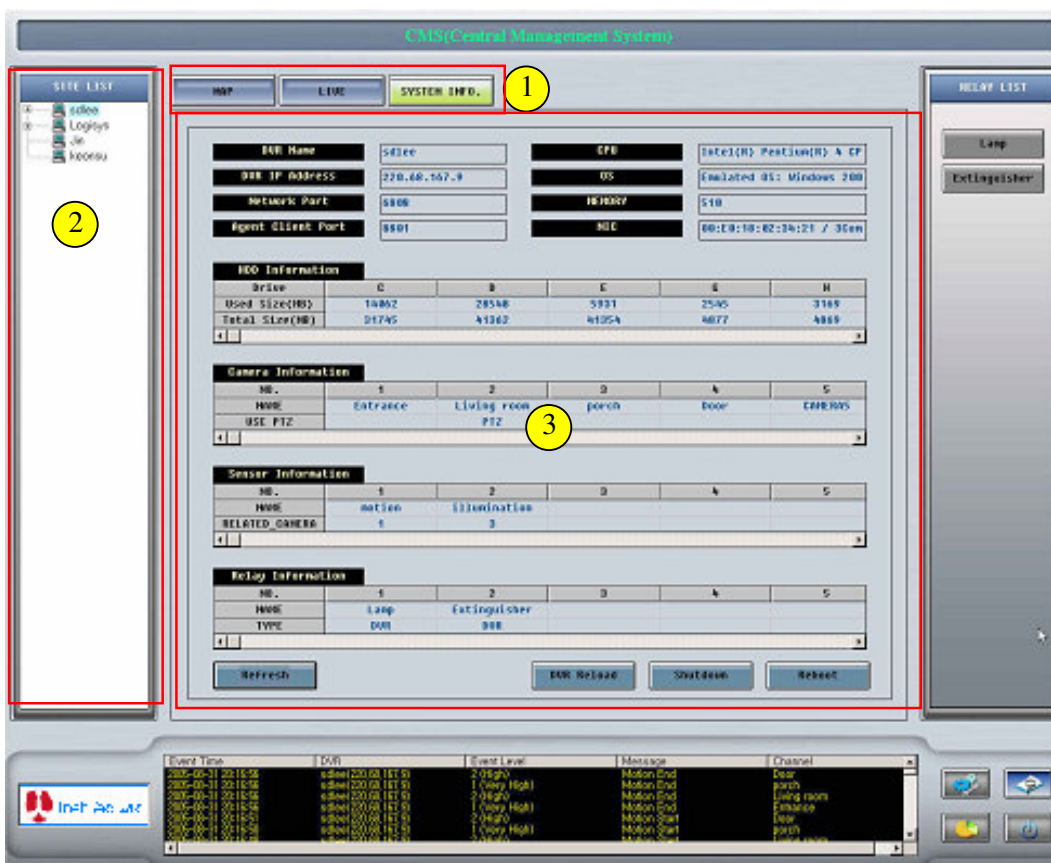
2.3.3.2 Live video display



[pic.2.19 – Live display screen]

- Press “Live” button in ① to see live display screen.
- User can select 1/4/9/16 screen division from ② area.
- From 1 screen viewer if user is watching Number 1 screen, press ② area’s 1 screen division again to see Number 2 screen. Press once more to see Number 3 screen and so forth.

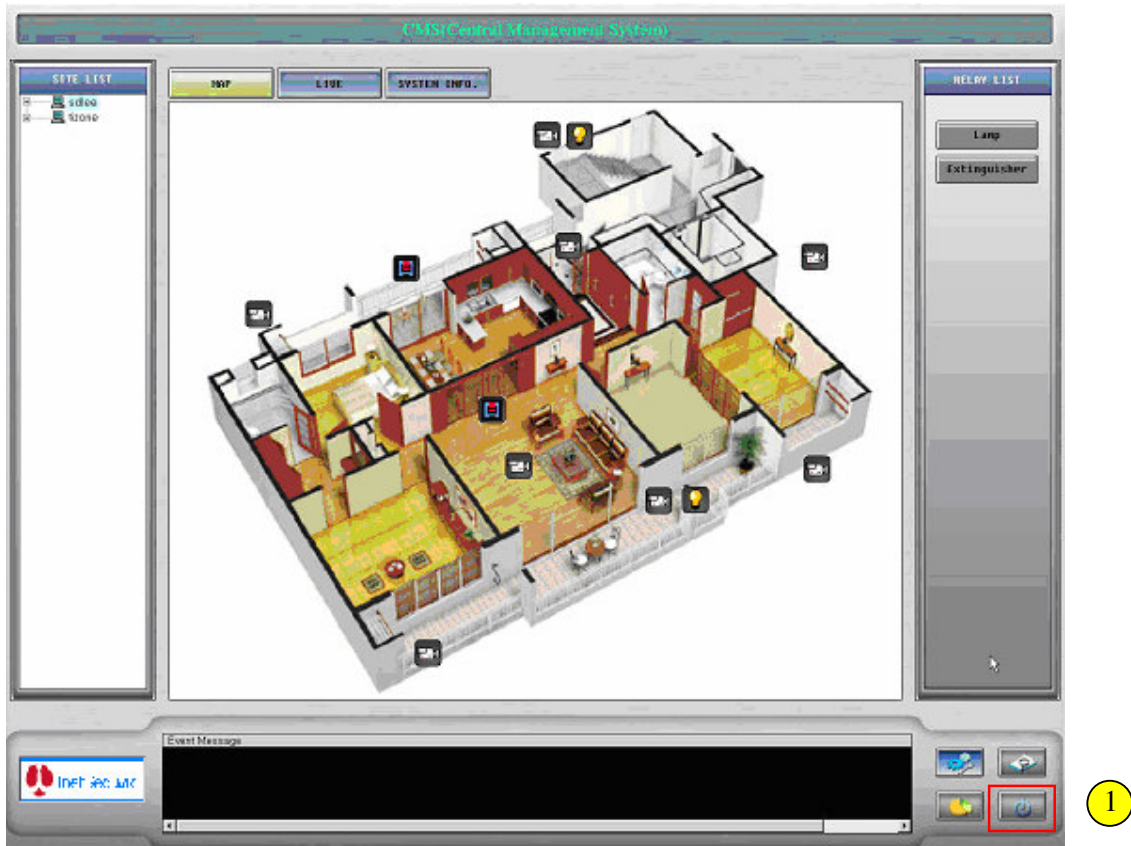
2.3.3.3 System information display and system control



[pic.2.20 – System information display screen]

- Press ‘SYSTEM INFO’ button at □ to display selected DVR’s system information from □
- This system information will be displayed at □
 - Refresh: Refresh system information
 - DVR Reload: Reload DVR software.
 - Shutdown: Shut down DVR system.
 - Reboot: Reboot DVR system.

2.3.4 Finish program



[pic.2.21 – Main Screen]

- Press power button in to close program.

2.4 Remote Search

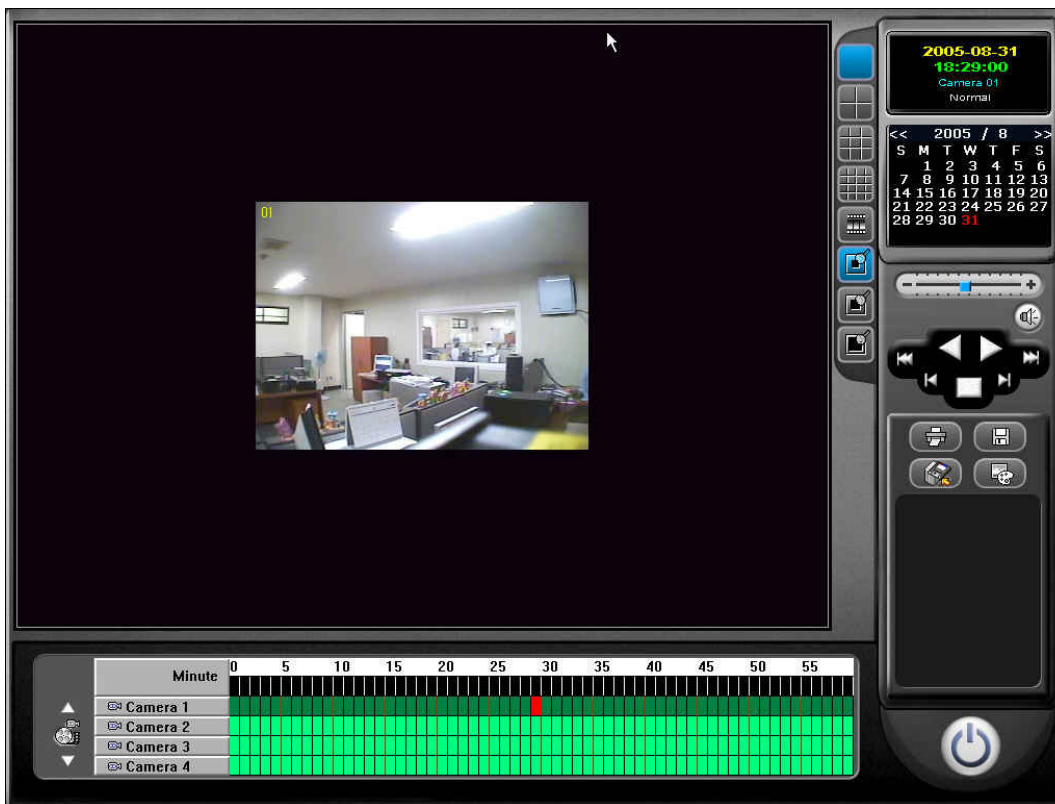
2.4.1 Run Search program



[pic.2.22 – Main Screen]

- Click “Remote Search” button from 1 area to start remote search.

2.4.2 Search Screen



[pic.2.23 – Remote Search Screen]

- Please check the “Search” manual from the DVR Manual for more details.

2.5 Statistics & Report

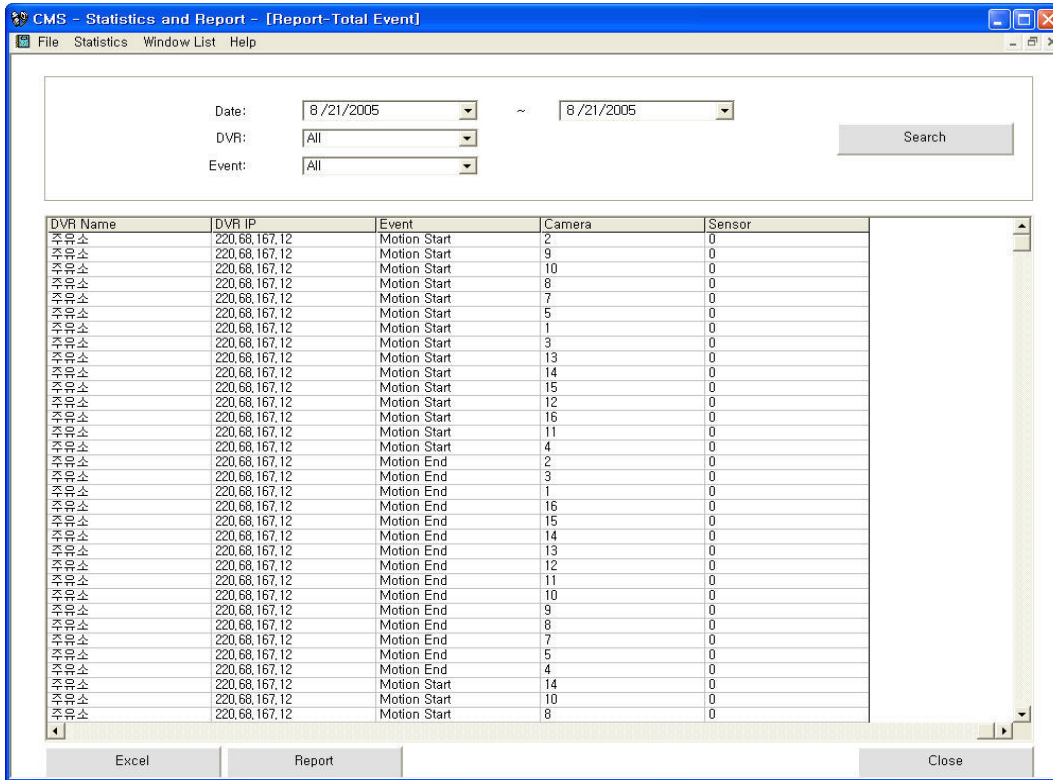
2.5.1 Run Program



[pic.2.24 – Main screen]

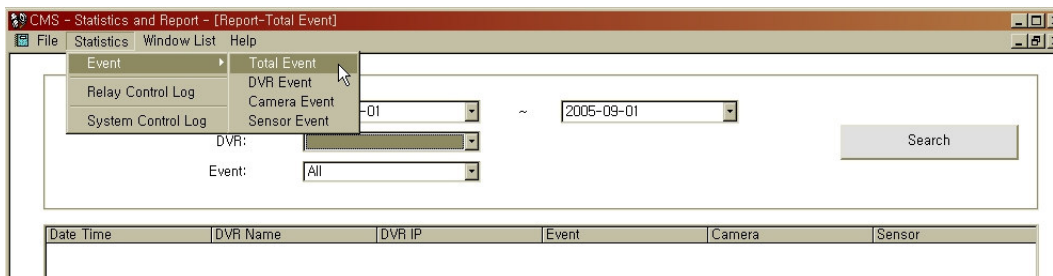
- Click “Report” button from **1** area to start CMS report program.
- User can search the event report with statistics and also print results.

2.5.2 Statistics Report



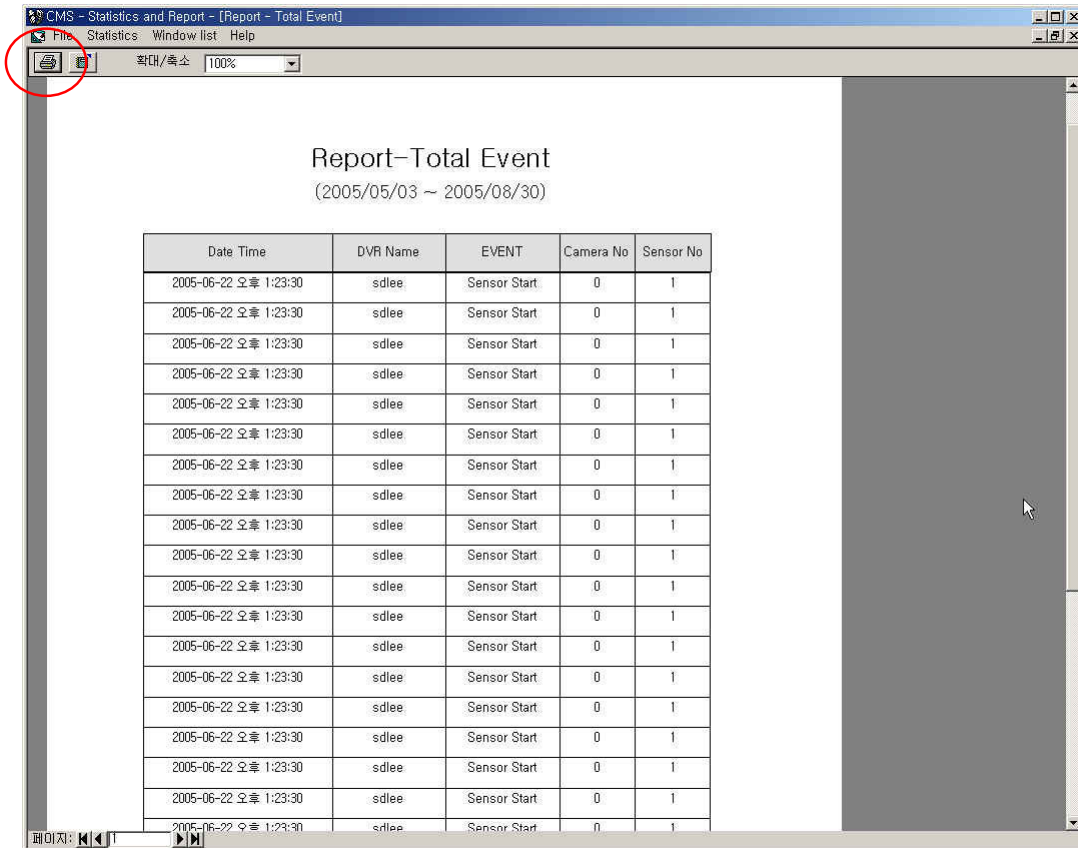
[pic.2.25 – Statistical Program screen]

- From the menu, select “Statistics-Event”
- Again select period of time, DVR, event kind
- Press “Search”
- Event data will be printed on screen as above.



- Excel : Save above data as Excel file
- Report : Rearrange above data to report format on screen
- Close : Exit program

2.5.3 Report Print



The screenshot shows a window titled "CMS - Statistics and Report - [Report - Total Event]". The window contains a table with the following data:

| Date Time | DVR Name | EVENT | Camera No | Sensor No |
|-----------------------|----------|--------------|-----------|-----------|
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |
| 2005-06-22 오후 1:23:30 | sdlee | Sensor Start | 0 | 1 |

[pic.2.26 – Report Screen]

- This is a screen of the report, and if the user wish to print out from the printer, please press the printer button in the left top corner.



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