

Management Software

DMS64/256

| User's Manual

ZNS-DMS64
ZNS-DMS256



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1 Introduction

1.1 Summary

DMS has been developed as a client software and central monitoring software platform for the DIGIMASTER Series DVR and the PixelPro Series IP Camera, to allow for the monitoring (and some recording) of image data, along with search, playback, and remote configuration of various devices connected to the system.

DMS presents images and data using multiple viewing screens, allowing a great amount of flexibility during emergency situations, by prioritizing urgent data, and presenting them to the user in an organized way. It provides a scalable central management software solution for multiple DVR systems connected by Network/LAN.

DMS is able to perform the following functions as part of a central monitoring system:

- Unlimited DVR registration
- Monitoring 64 channels of video data on a single screen
- Maximum 1 screen : DMS64 / 4 screens : DMS256
- Live screen display for each screen type
- Visualization of surveillance assets on a floor plan, using an E-Map
- Monitoring of all devices and events using a Status Screen
- Remote recording and remote backup functions
- PTZ Control
- Event log viewing for various types of alarms (Motion, Sensor, Site Connection, etc.)

DMS allows users to perform full remote configuration of the DVR (System Setup / Recording Setup) and will retrieve recording data from the DVR remotely. Using the E-Map function users can view Alarm events easily on a graphical floor plan, and allow alarm control and response. A 64-channel live monitoring capability provides a powerful centralized management ability to the observer.

1.2 System Requirements

Items	Minimum Requirements
CPU	Pentium D 3.40 GHz (or higher)
RAM	1GB (or higher)
O/S	Windows XP Professional (32-bit) (or higher)
Acceleration	DirectX® 8.0 (or higher)
Resolution	1280x1024 (as a minimum)
Video Card	NVIDIA GeForce 6600GT 128MB (or higher)
Network Card	10/100/1000 Base-Tx (up to 1 Gigabit) operation

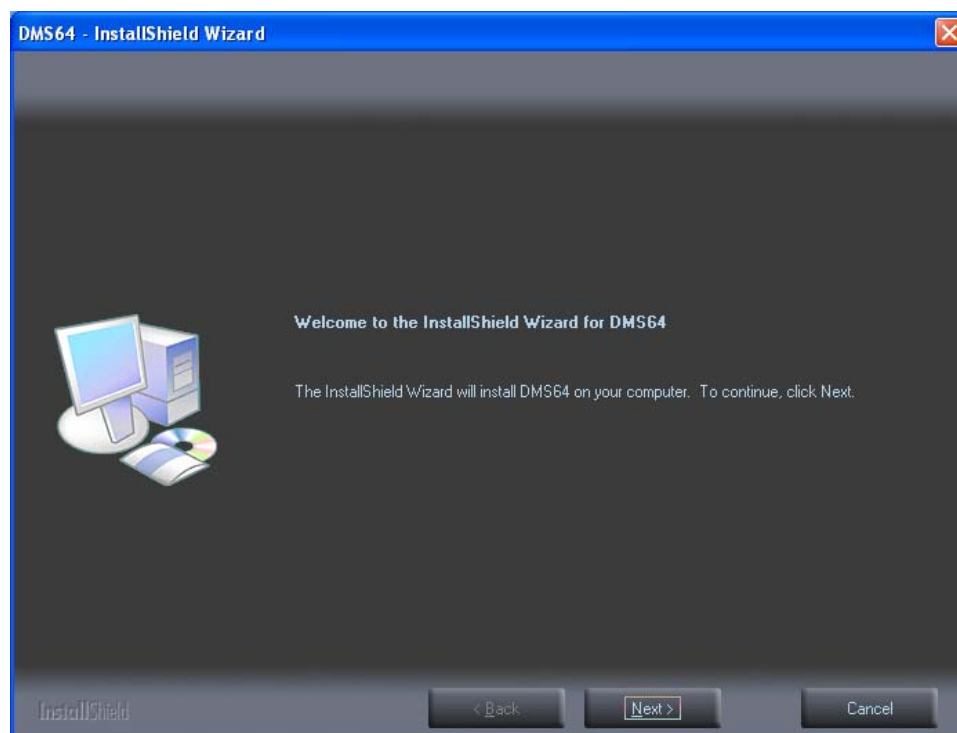
NOTE: Recommended minimum PC specifications for DMS64

Items	Minimum Requirements
CPU	Core 2 Duo 3.0 GHz or higher
RAM	2GB (or higher)
O/S	Windows XP Professional (32-bit) (or higher)
Acceleration	DirectX® 8.0 (or higher)
Resolution	1280 x 1024 (as a minimum)
Video Card	NVIDIA GeForce 8500 GT 512MB (or higher)
Network Card	1000Base-TX (up to 1 Gigabit) operation

NOTE: Recommended minimum PC specifications for DMS256

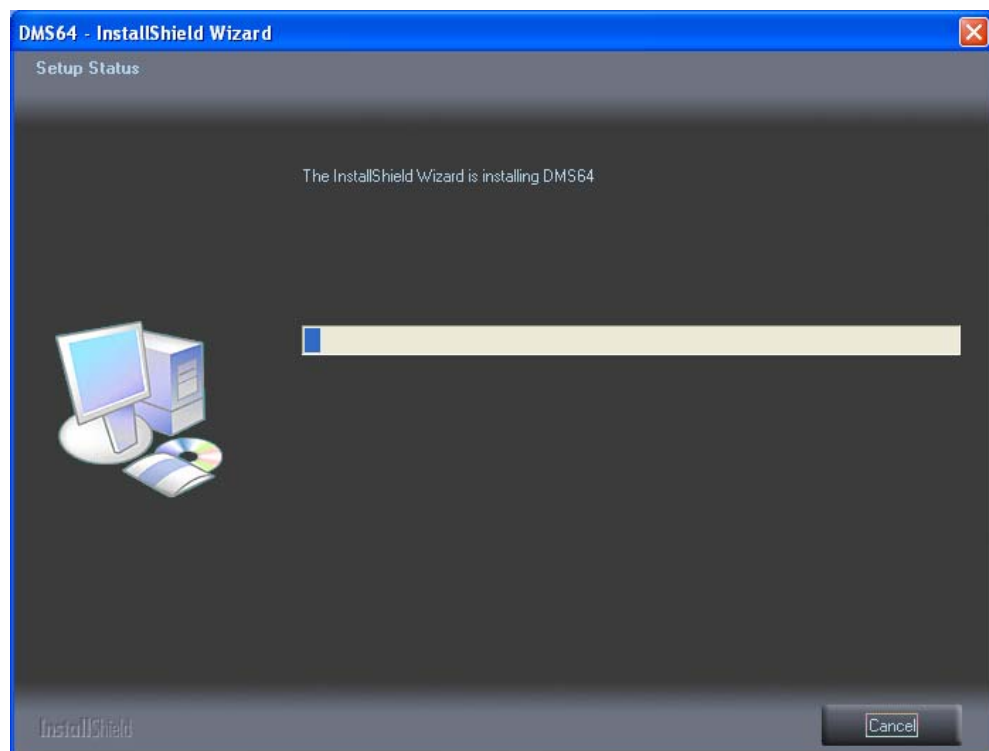
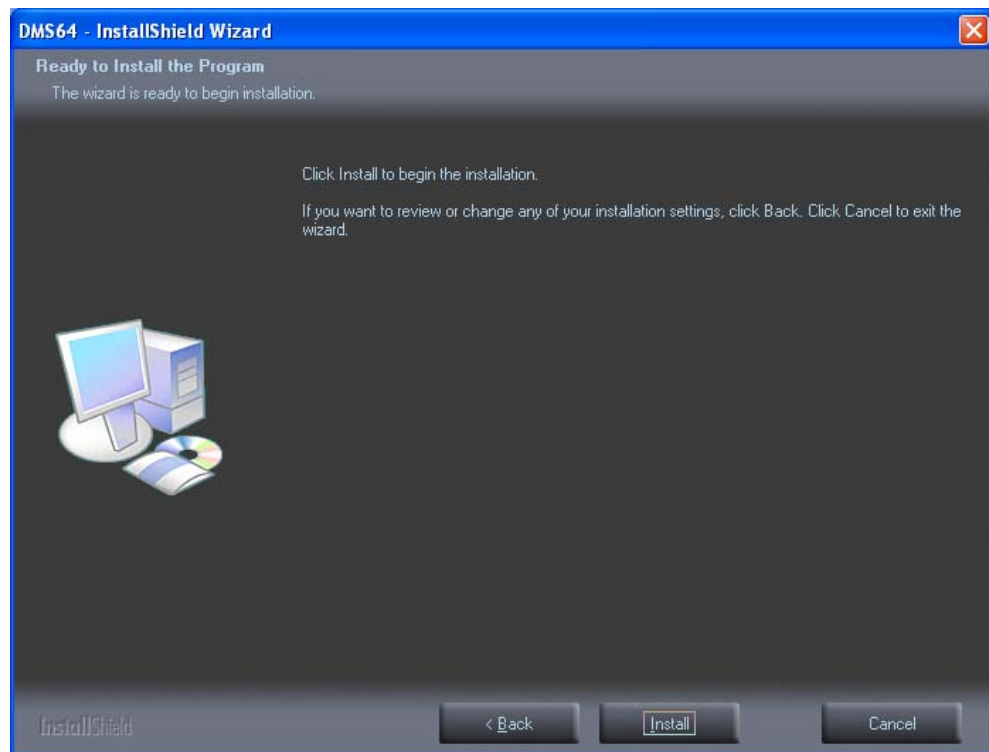
1.3 Installation Guide

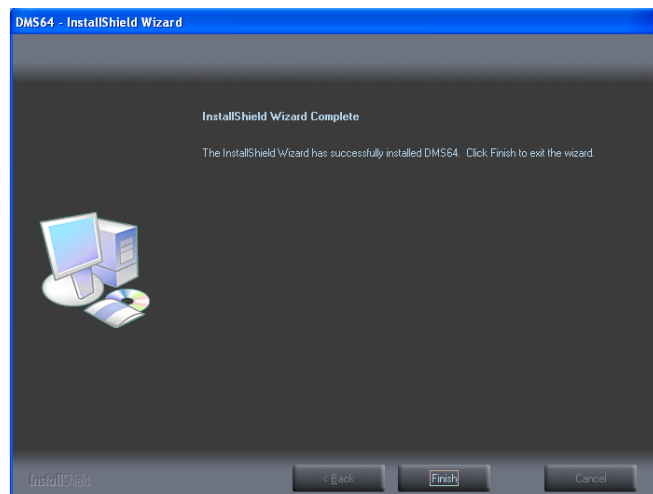
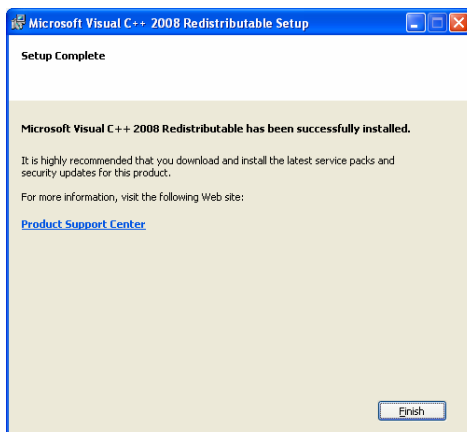
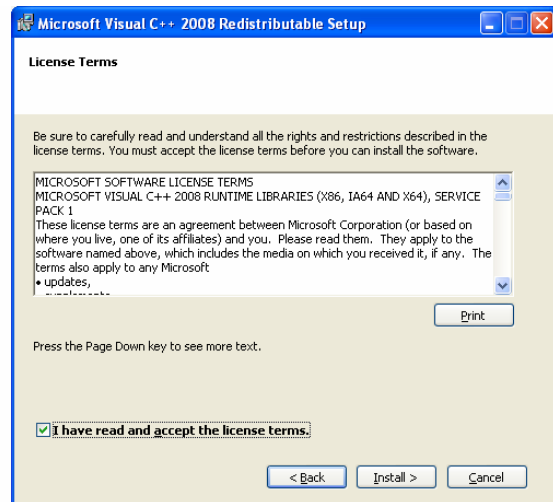
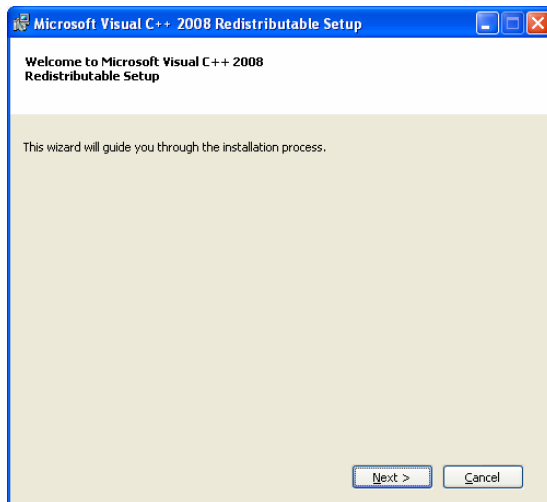
- Insert the DMS Installation CD into the CD/DVD Drive of your PC.
- The following screen (shown below) will show the InstallShield Wizard.
- Press the [Next] button to proceed to next step.



NOTE: Double-click the Setup file on the CD/DVD Drive to start the InstallShield Wizard if the AutoRun function does not start automatically.

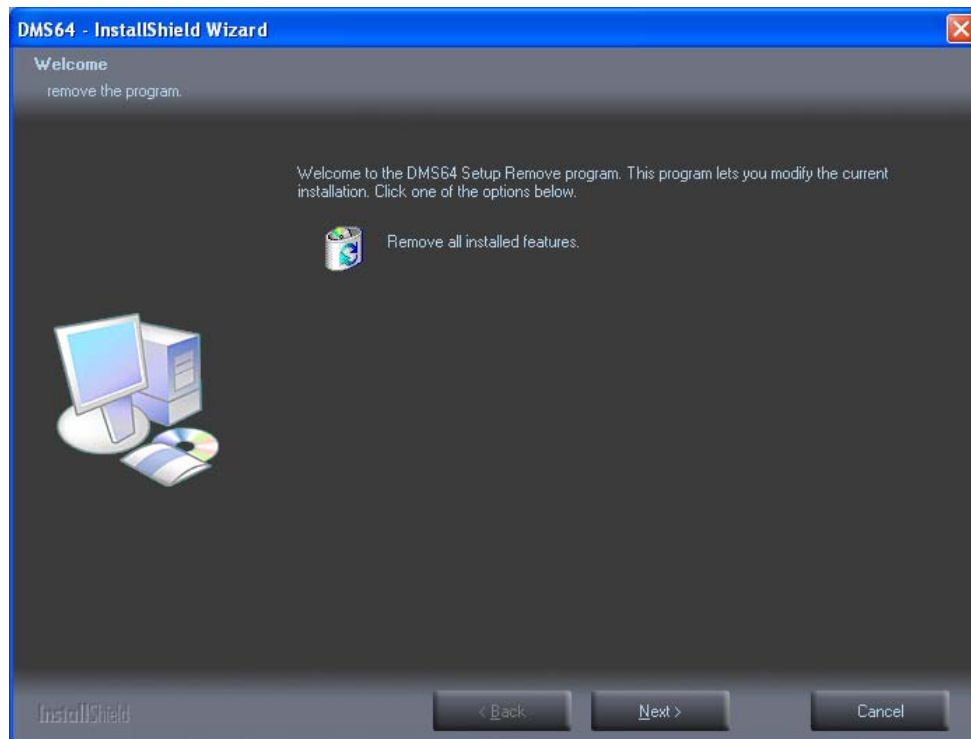
- Follow along with the DMS installation process as shown in the Installation wizard.
- Click the [Close] button after installation has been completed



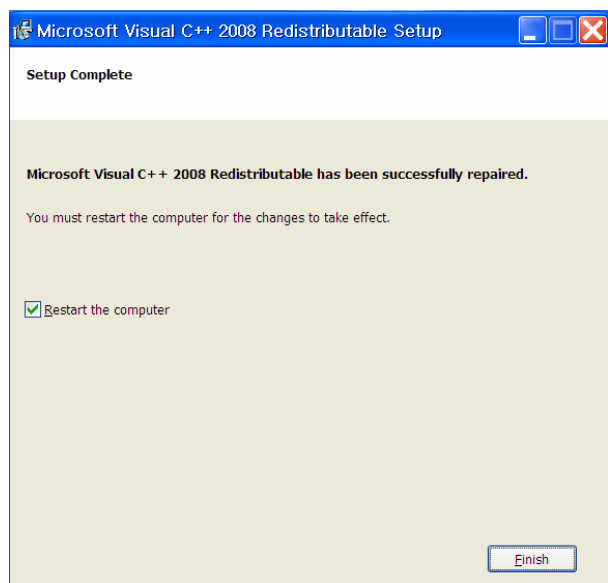
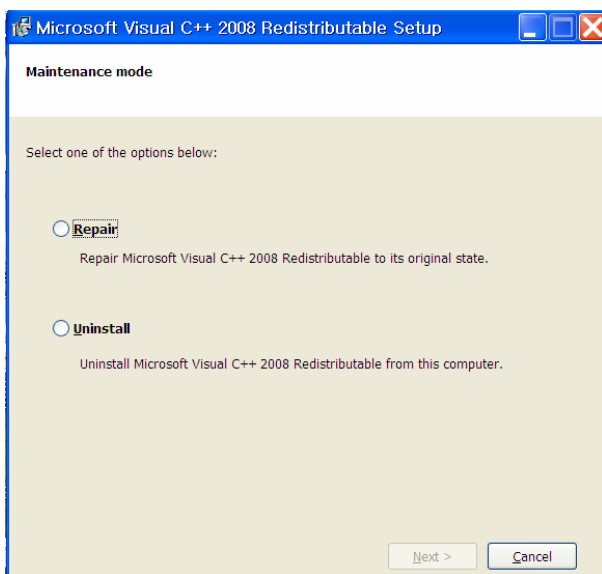


1.4 Reinstallation Guide

- If the DMS has already been installed on the PC, the DMS installation could be repaired and reinstalled as shown in the Installation wizard .
- Choose 'Remove all installed features', and click [Next] to proceed to next step.



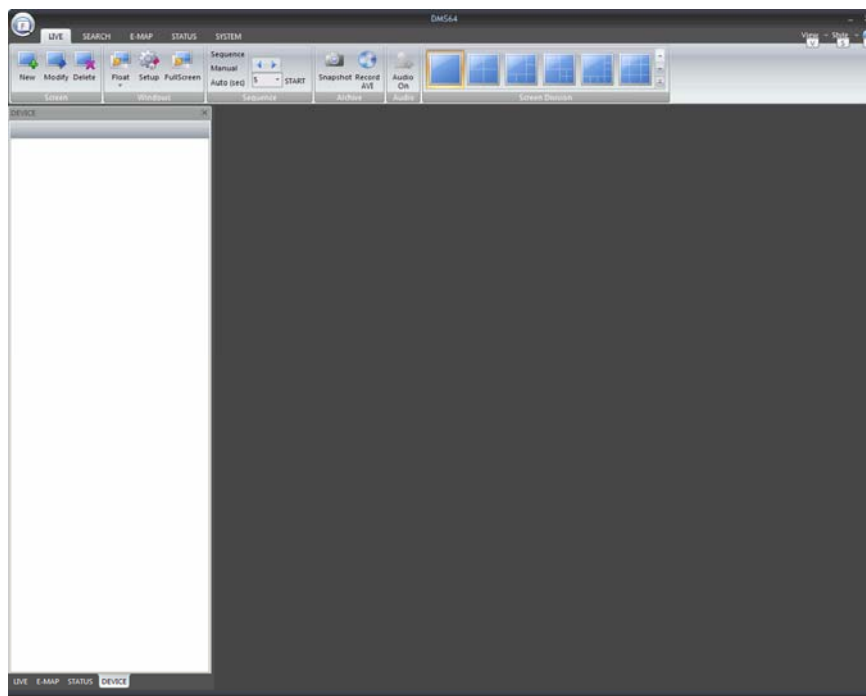
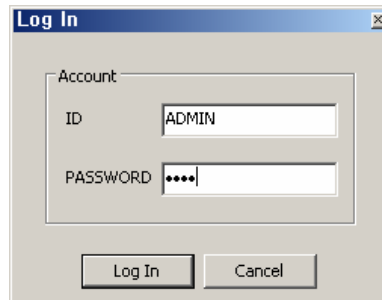
- If you decide to reinstall the DMS after removal, DMS will be installed by following along with the Installation wizard.
- Choose [Repair] and click the [Next] button to proceed to the next step.
- After Repairing, you will have to restart the computer for the changes to take effect.



NOTE: When removing DMS, the Installation wizard cannot remove Visual C++ at the same time.

1.5 Device Registration

- Input ID and PASSWORD (as Default ADMIN / 1234).



- Choose the SYSTEM menu at the top of the screen, then Select the Device tab at the bottom of the left sidebar.



- Enter the connection information of the Devices you wish to register.
 - 1) The Company selection tab:

DRxN group – DR4N, DR8N, DR16N, DR8NRT, DR16NRT, DR4N-Lite

IP CAM group - PIXELPRO (VGA), PIXELPRO (720p), PIXELPRO (1080p)

DRxH group – DR4H, DR8H, DR16H

[illegible]

- 2) Select the model of Device.
- 3) Create a new group for Device.

Device Group

Group Name	Memo
TEST1	

Group Name

TEST1

Memo

Add

Modify

Delete

Close

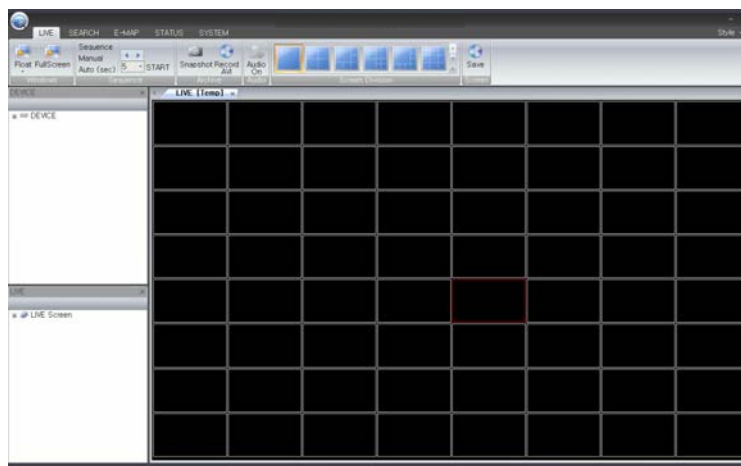
- 4) Enter the device name and the IP address of the DVR.
- 5) Enter the Client Service Port Number (for DRxN & DRxH) or the Web Service Port Number (for IP CAM).
- 6) Input the User ID & Password for the new device then click ADD.

[illegible]

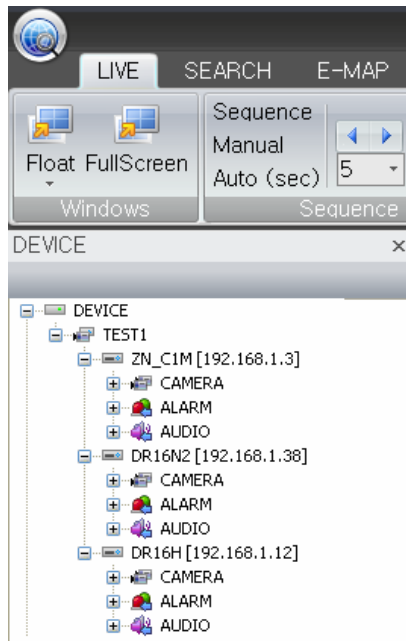
- 7) If you are finished registering devices within DMS, click 'Close'.
 - 8) It is suggested that you use the "Auto Connect" option, to allow the DMS software to auto-connect to specific devices upon startup.
- Choose the Live menu



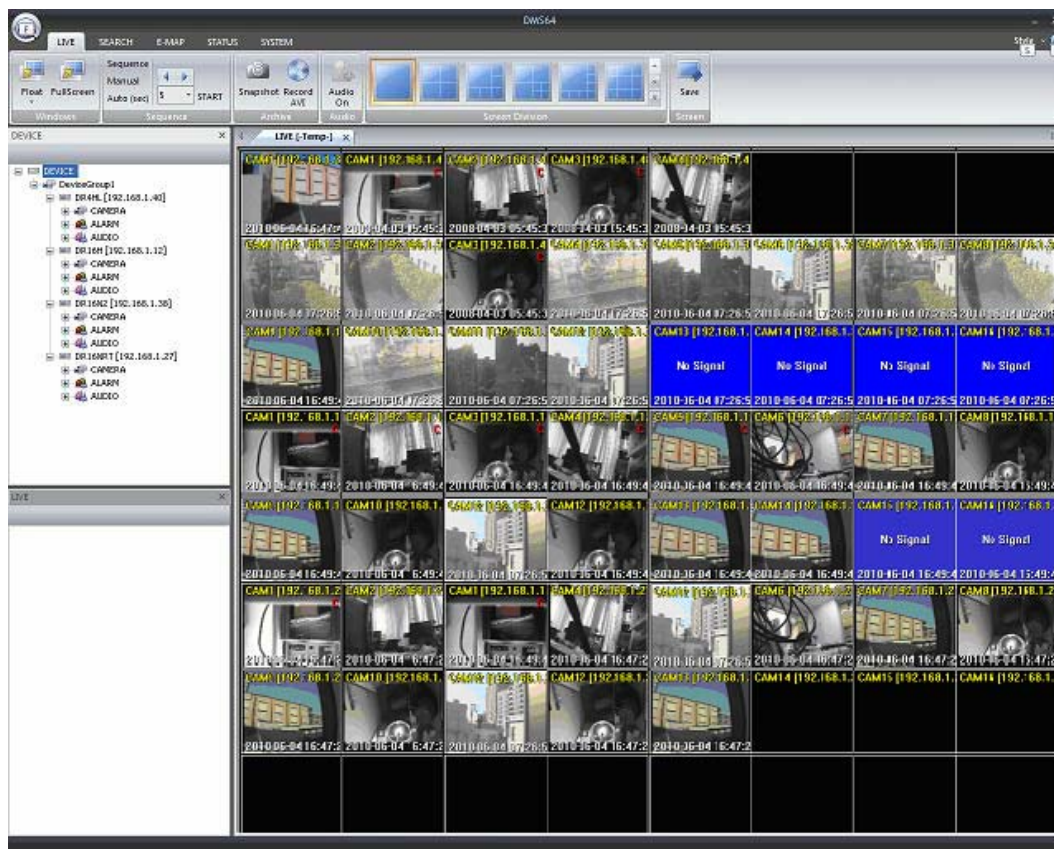
- Then Temporally Live window is shown automatically.



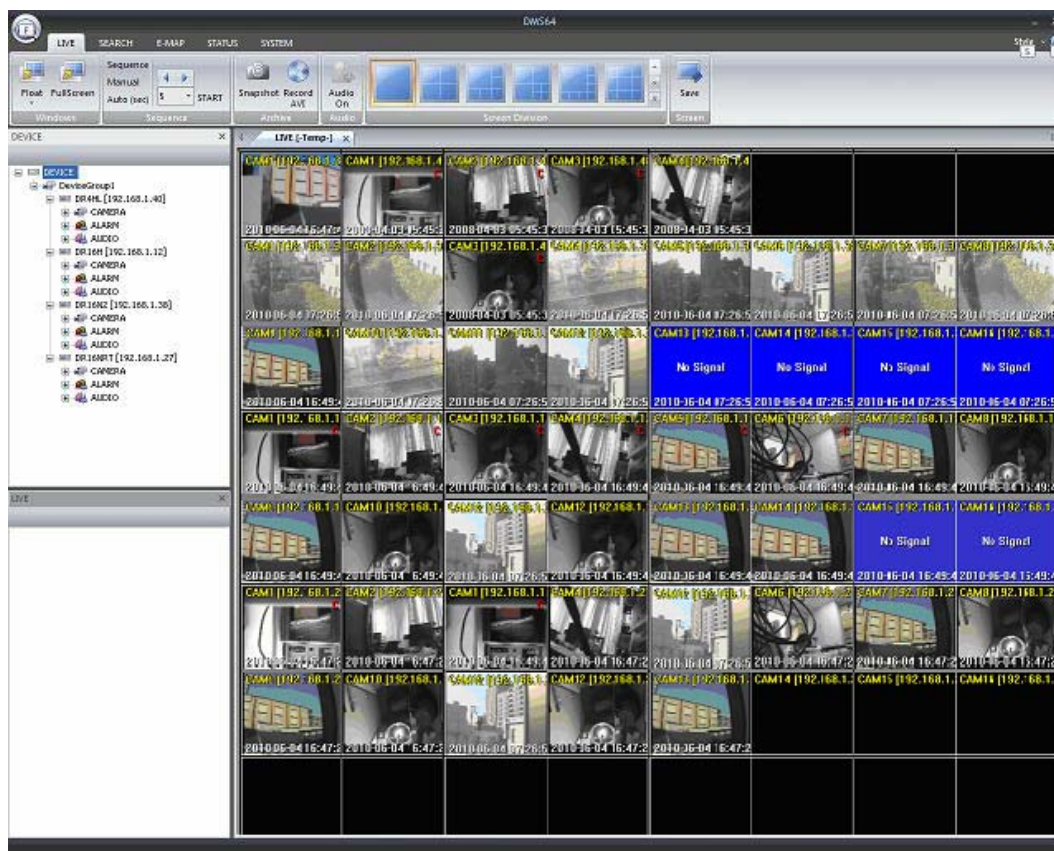
- Select DEVICE on left panel and expand the tree.



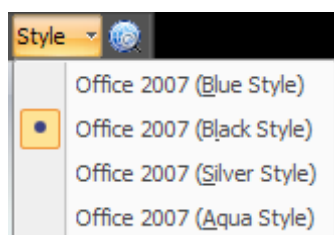
- Drag & Drop CAMERA into Live window.



1.6 Display Mode



Frame Style Button

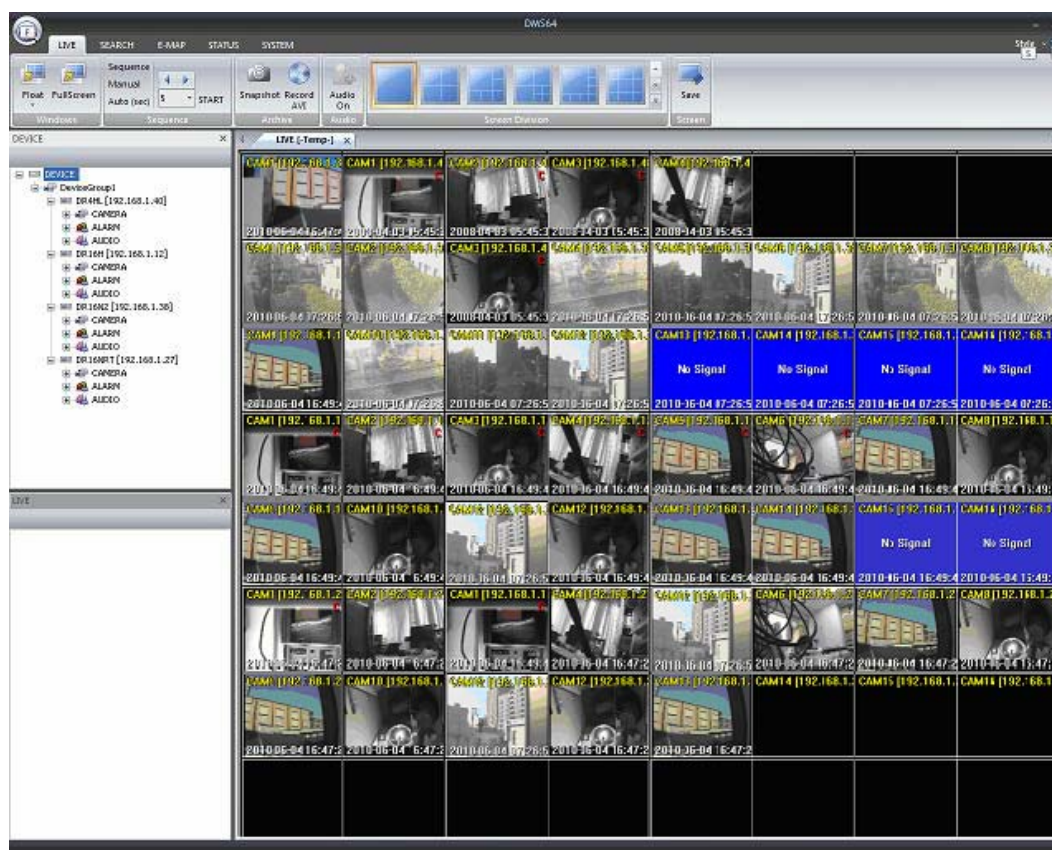


Use to change the Frame style.

1.7 Main Functions

1.7.1 Live

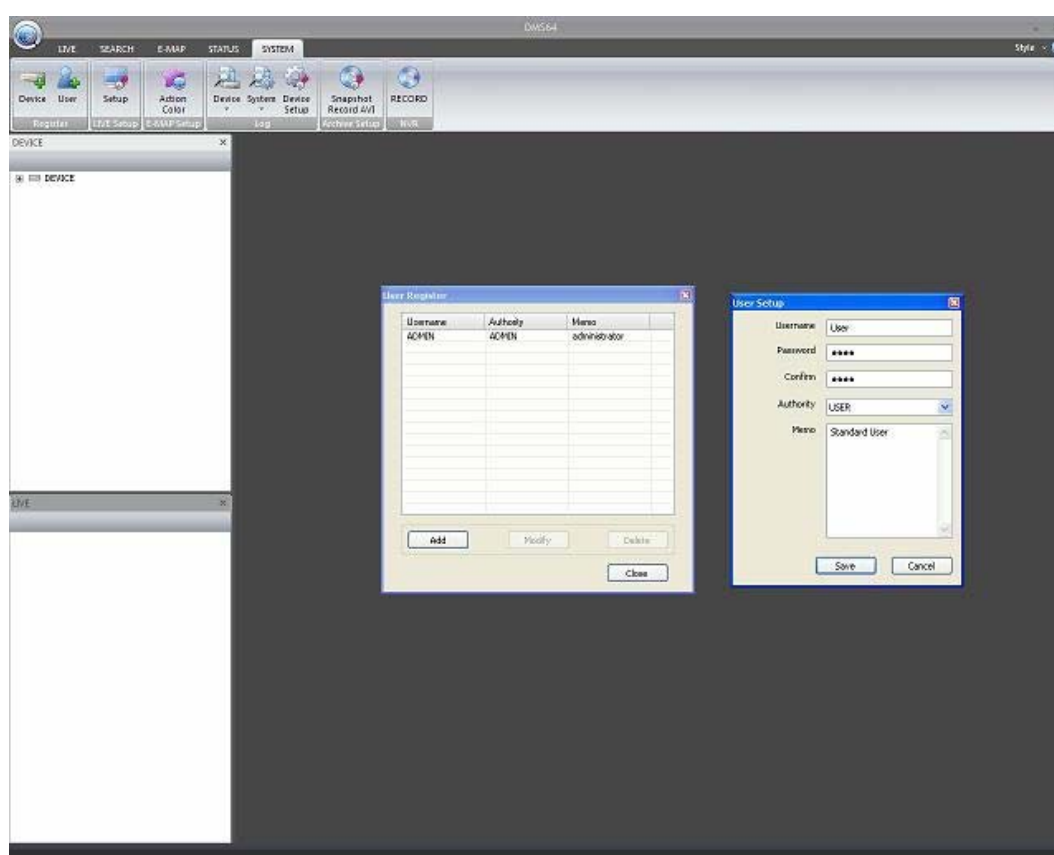
- Live images of any registered device can be shown using a multi-screen format (up to 64-channel view). manage (zoom in / out, print, snapshot, previous image) each channel separately by displaying each panel's image or multi-channel display of camera images could be controlled by various screen modes and map images
- The software also supports real-time event monitoring for effective event management, allowing control of each camera, with animated effects showing events such as login / logout, motion, alarm, video loss, etc., within an event viewer.



1.7.2 User Accounts

- Allows registration of new DMS users and devices. Designates authority levels for each user, allowing or restricting access to various functions within DMS. Each user's profile and database can be copied and backed-up to another PC..

NOTE: USER authority setup limits the use of various DMS functions by user group, not by individual user account.

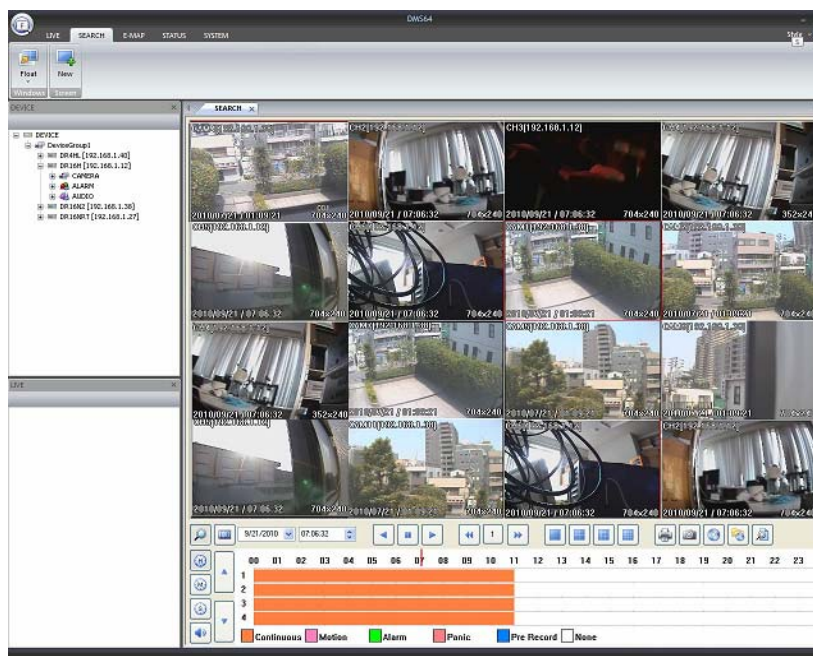


1.7.3 Group

- User Groups provide screen or e-map service registration, and it can also structure visual objects (camera, sensor, relay, mic, speaker, etc.) on the monitoring screen and e-map image.
- More efficient control over settings can be achieved by configuring the central monitoring system software with various user levels and permissions for each group.

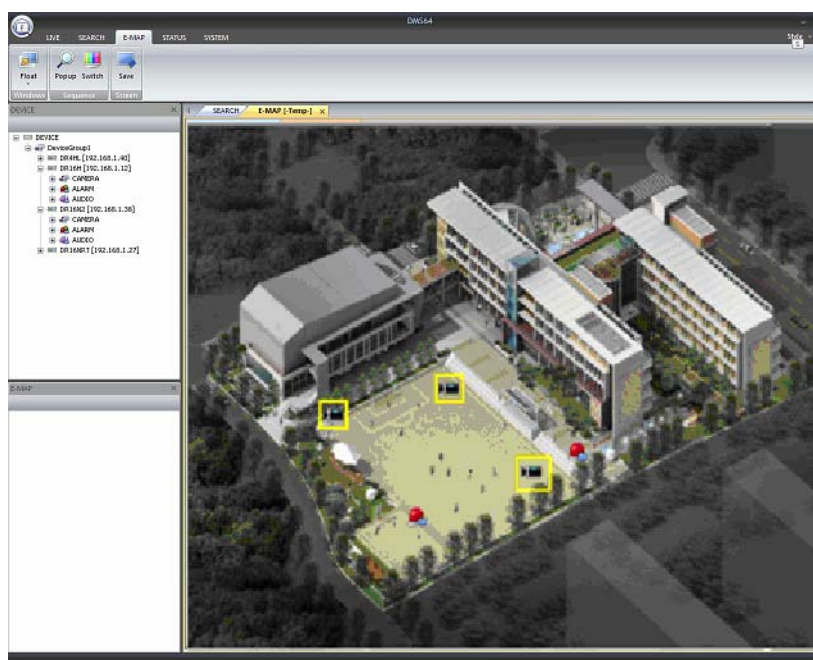
1.7.4 Search

- This function allows a user to view recorded images with the event log history, and also allows backup of any recorded images by Snapshot or AVI recording.



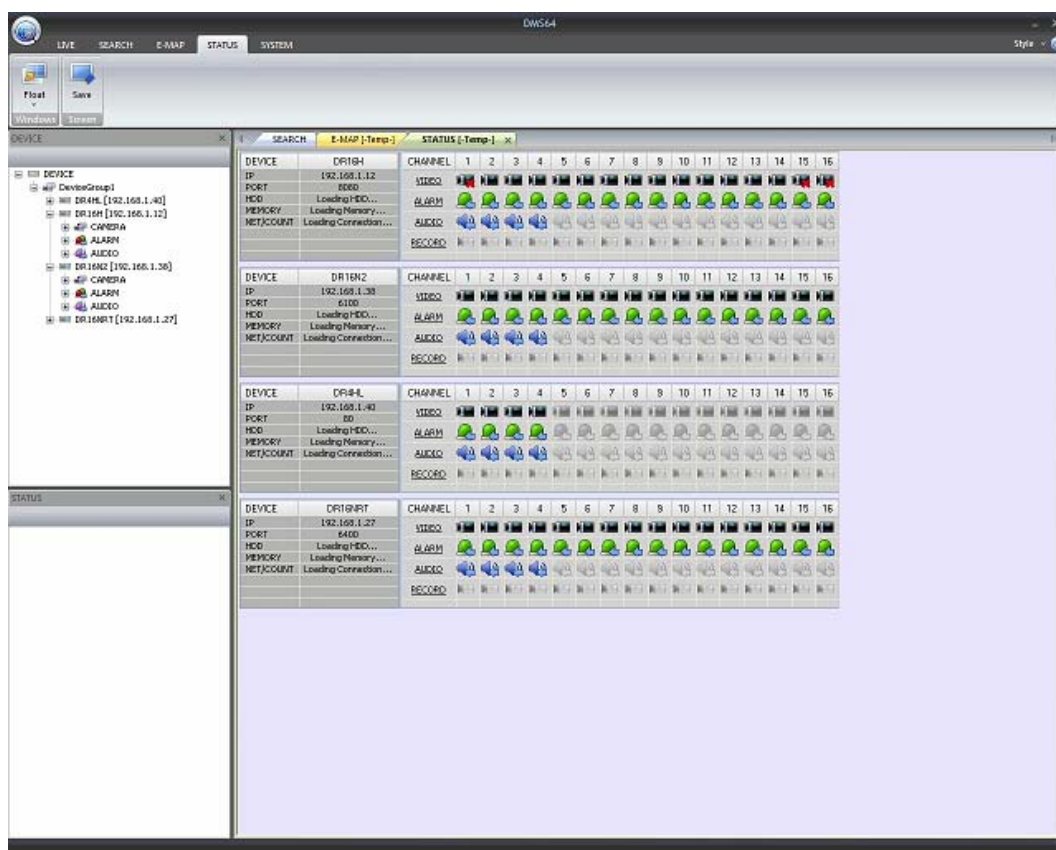
1.7.5 E-Map

- This function supports the use of camera and alarm icons placed on the e-map image, and allows monitoring of the corresponding camera image by clicking on any icon.
- Provides control functions for each camera, and when an event occurs on the specified camera, the user is notified with the icon using animation effects.



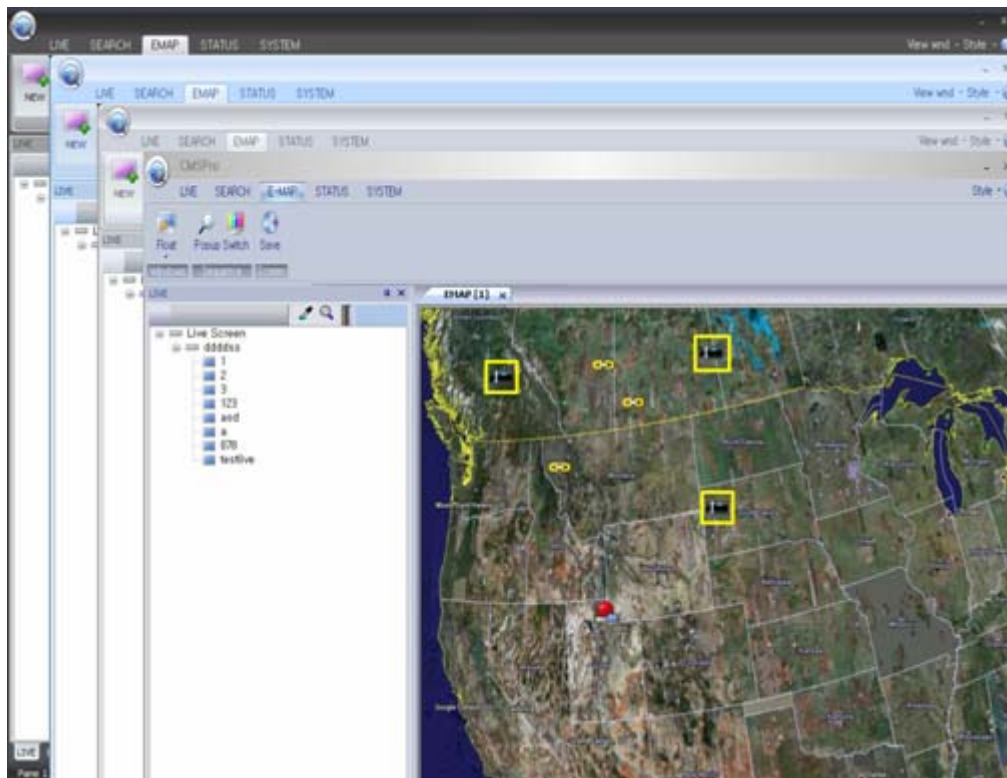
1.7.6 Status

- Shows all events (video, audio, alarm) transmitted from all devices connected to DMS, using icons for each channel, allowing a user to be able to monitor several facilities and all devices and channels in real-time on a single screen.



1.7.7 Style

- This function allows a user to modify the window border color of all DMS windows, according to the user's taste, choosing from 4 possible themes.



2 Registry, Setup and Service

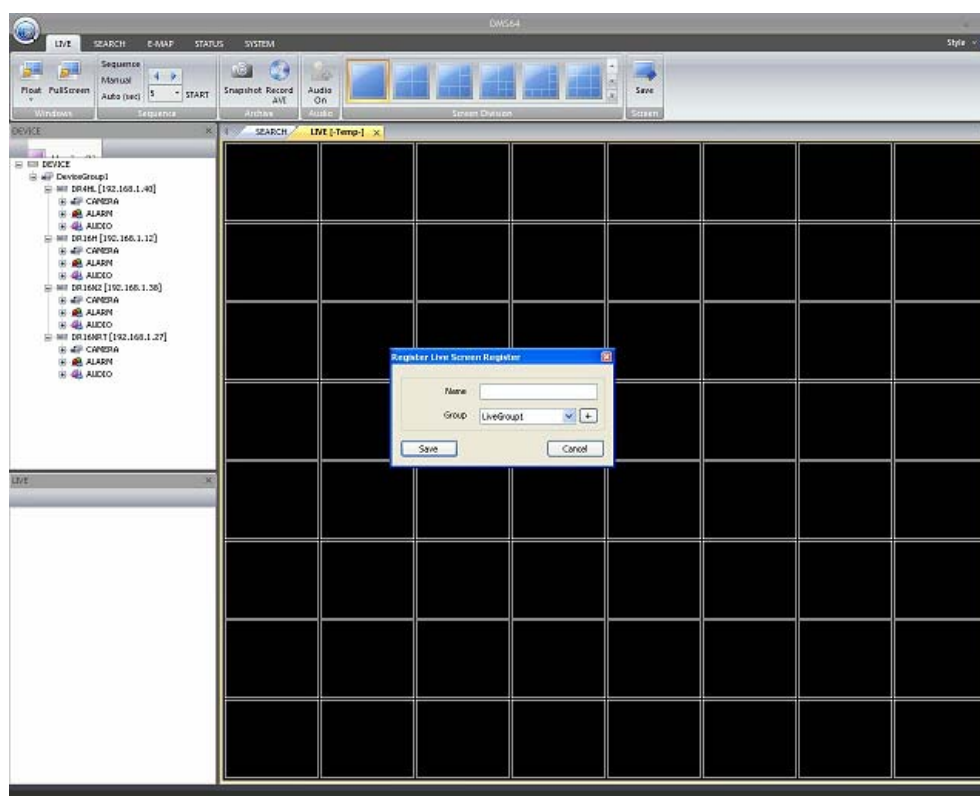
2.1 Live

2.1.1 Summary

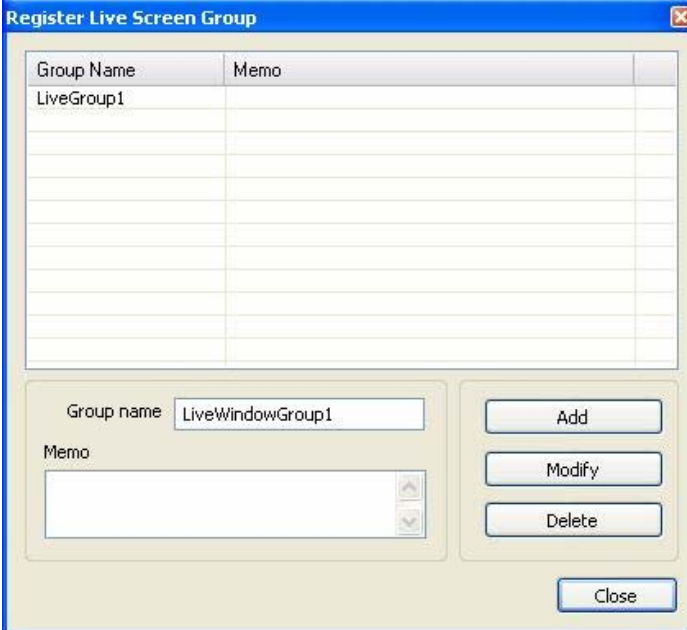
- Used to view Live video after selecting an output device on DMS.
- Supports viewing in Split Mode, Full Screen Mode and Sequence Mode.
- Includes Archiving and Snapshot functions for saving live still images and video.
- DMS control can be managed by registering user groups for each authority level.

2.1.2 Create a Live Screen

- Click on the [LIVE] menu, then select [NEW] to register a new Live Screen.
- Click on the [+] button, and the Group registration screen will be as shown below.



- Input the Group Name to register the new group as shown below.



The 'Register Live Screen Group' dialog box features a table with two columns: 'Group Name' and 'Memo'. The first row contains 'LiveGroup1'. Below the table, there are input fields for 'Group name' (containing 'LiveWindowGroup1') and 'Memo'. To the right of these fields are three buttons: 'Add', 'Modify', and 'Delete'. At the bottom right is a 'Close' button.

- After registering the new group name, input the new Screen name and click save.

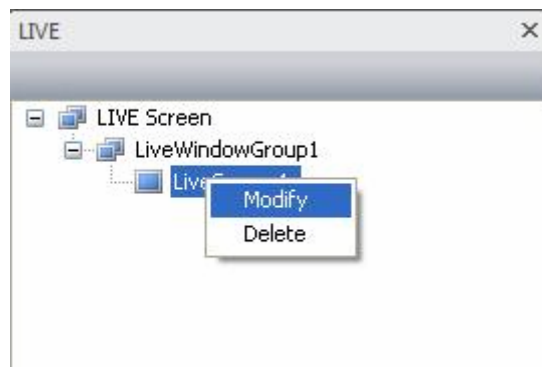


The 'Register Live Screen Register' dialog box has two input fields: 'Name' (containing 'LiveScreen1') and 'Group' (containing 'LiveWindowGroup1' with a dropdown arrow and a '+' button). At the bottom are 'Save' and 'Cancel' buttons.

2.1.3 Modify a Live Screen

- Select the screen to be modified, then right click mouse and select [Modify].

You will be able to modify the selected screen, as shown below.

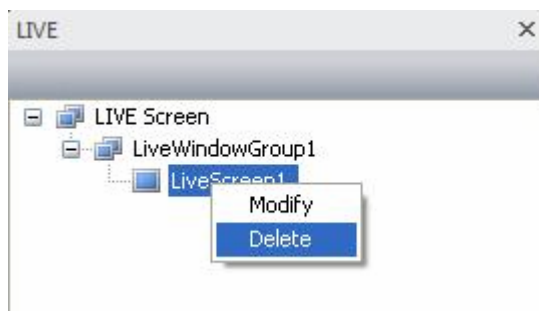


- Enter the Live Screen name or select another Live Screen Group, then press the Save button to save any changes.



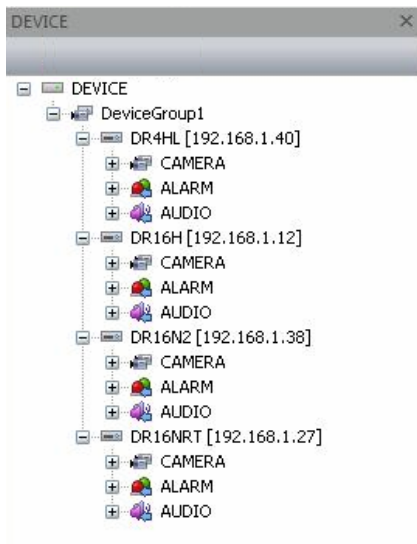
2.1.4 Delete a Live Screen

- Select the name of the screen to be deleted, then right click mouse and select [Delete] in order to delete the selected Live Screen.

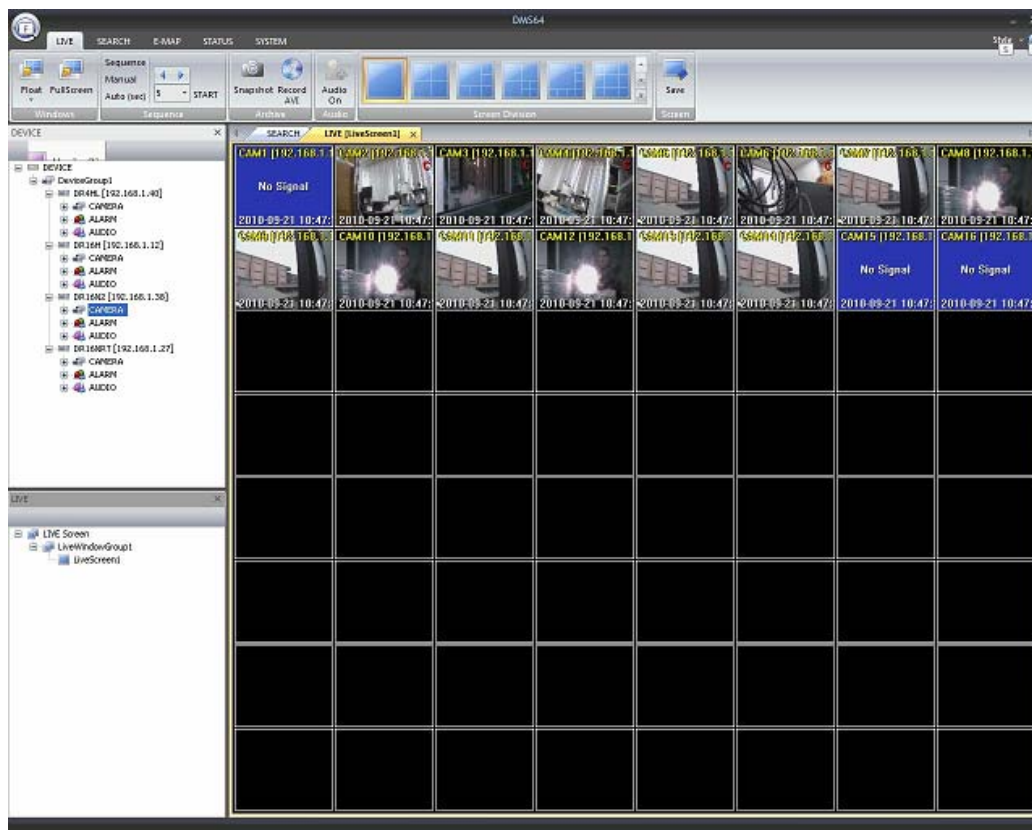


2.1.5 Bind Device to Live Screen

- Now select the 'DEVICE' tab on the bottom of the left sidebar, then expand the device tree to show the device(s) which you wish to bind to the Live Screen.



- Click and drag a 'CAMERA' item over to the viewing window on the right, in order to bind the selected device to the Live Screen.



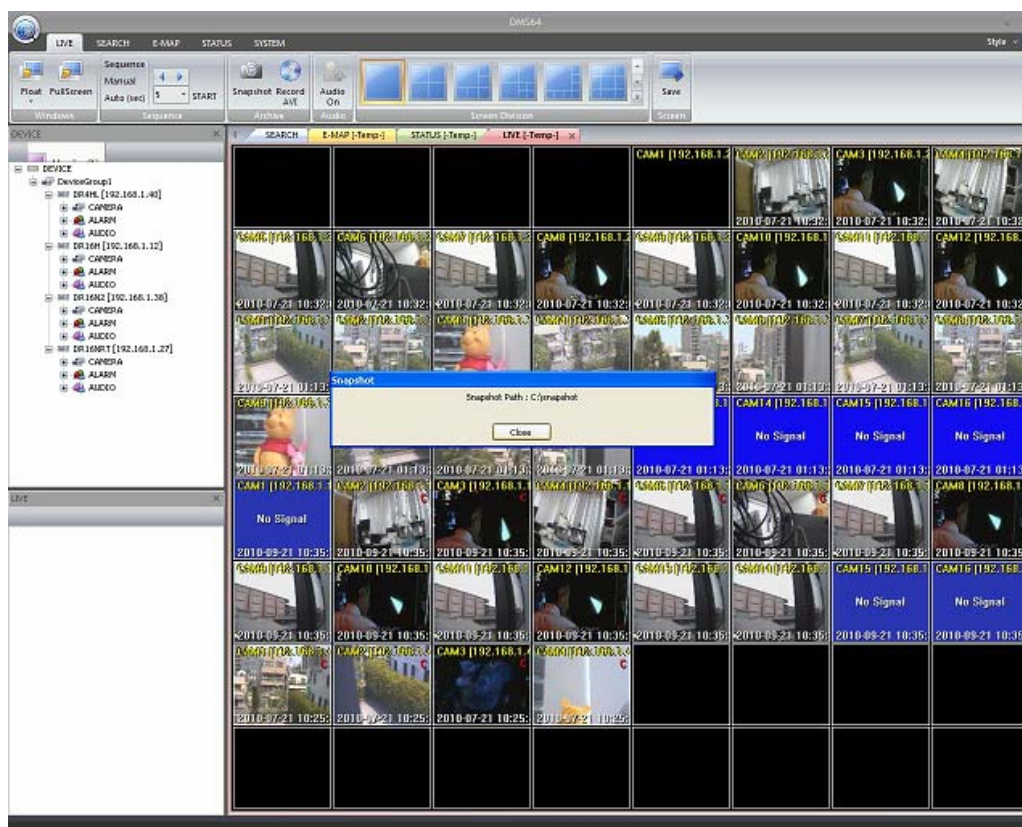
2.1.6 Live Screen Sequence Mode

- Switch through all Live channels using the (<), (>) buttons in [LIVE] -> [Sequence].
- The channels can be automatically sequenced by clicking on the START button.
- The dwell time for sequencing will follow the time setting contained in "Auto (sec)".

NOTE: Designated Screens are used in Sequence Mode, step by step. If you want to change the Switch Mode Sequence, change the Screen arrangement.

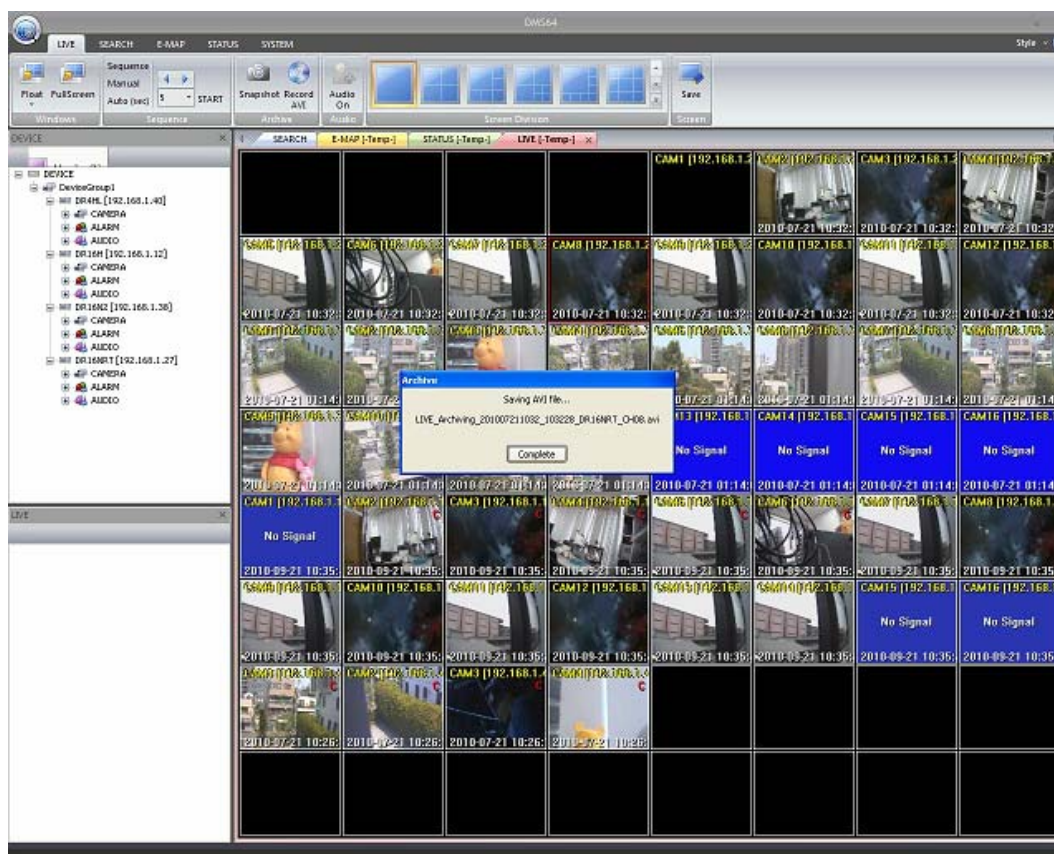
2.1.7 Live Screen Snapshot

- Live still images can be saved to the local PC by using the [Snapshot] button.



2.1.8 Live Screen Archiving

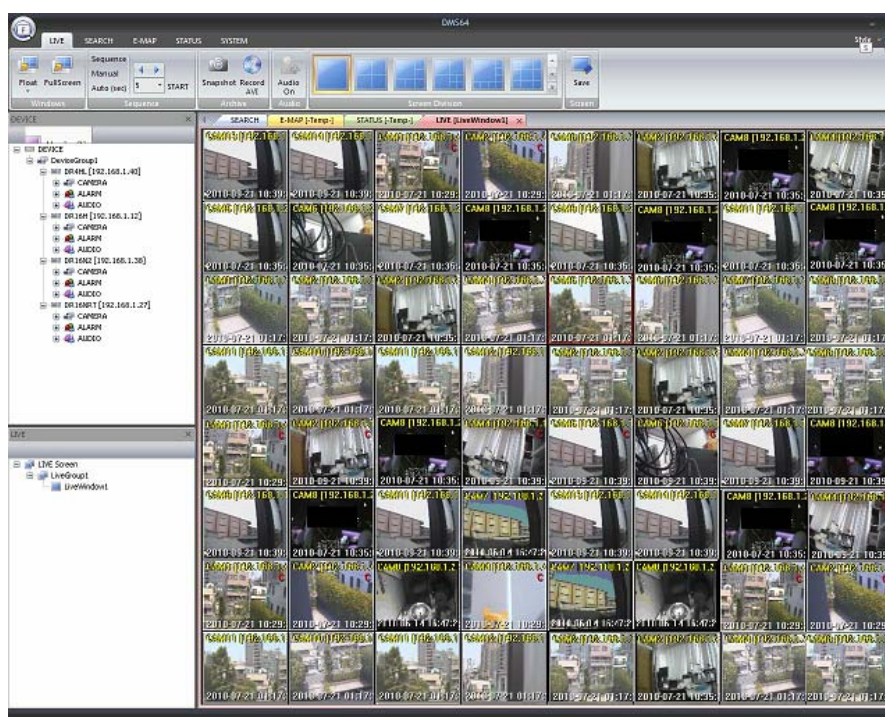
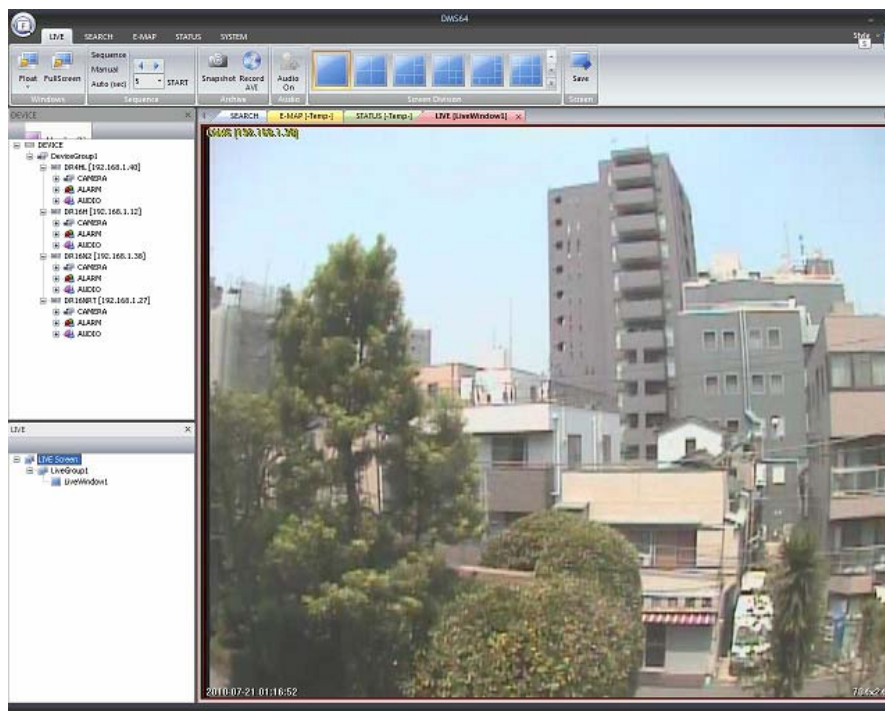
- Live video can be saved to the local PC (AVI file) by using the [Archiving] button.



2.1.9 Live Screen Layout

- There are 14 types of multi-channel layouts provided by DMS:

[1, 4, 6, 7, 8, 9, 10, 12, 13, 16, 21, 29, 36, 64].



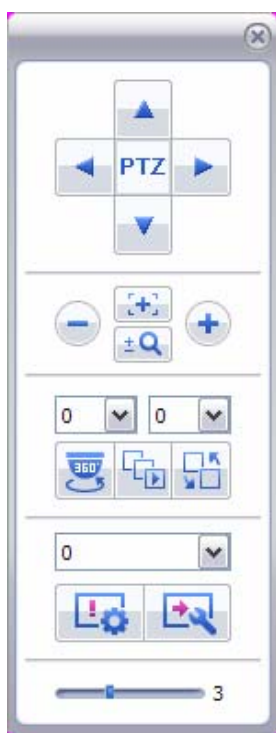
2.1.10 Live Screen Context Menu

Close Channel	
Close All Channels	
<hr/>	
PTZ On/Off	
✓ OSD On/Off	
<hr/>	
Original Docking State	
<hr/>	
SnapShot	
Avi Backup	
Digital Zoom	
Print	
<hr/>	
Screen Division	▶

Close Channel – Close the selected live channel.

Close All Channels – Close all live channels.

PTZ On/Off – Can toggle the PTZ control (for supported devices).



OSD ON – Can toggle the OSD mode shown on the screen.

Docking & Original State – Return to normal mode from Full Screen mode.

Snapshot – Can save the current image on the screen as a snapshot image.

AVI Backup - Can save the current live video of the selected channel to the local PC (AVI file).

Digital ZOOM – Toggle the Digital ZOOM mode for the selected channel.

Print – Send the current image shown on the selected channel to a local or network printer.

Screen Division – Change the current Multi-Channel mode, by selecting the new viewing mode:.












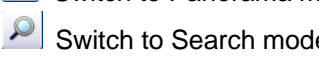










- 1 CH
- 4 CH
- 6 CH
- 7 CH
- 8 CH
- 9 CH
- 10 CH
- 12 CH
- 13 CH
- 16 CH
- 21 CH
- 29 CH
- 36 CH
- ✓ 64 CH

2.2 Search

2.2.1 Summary

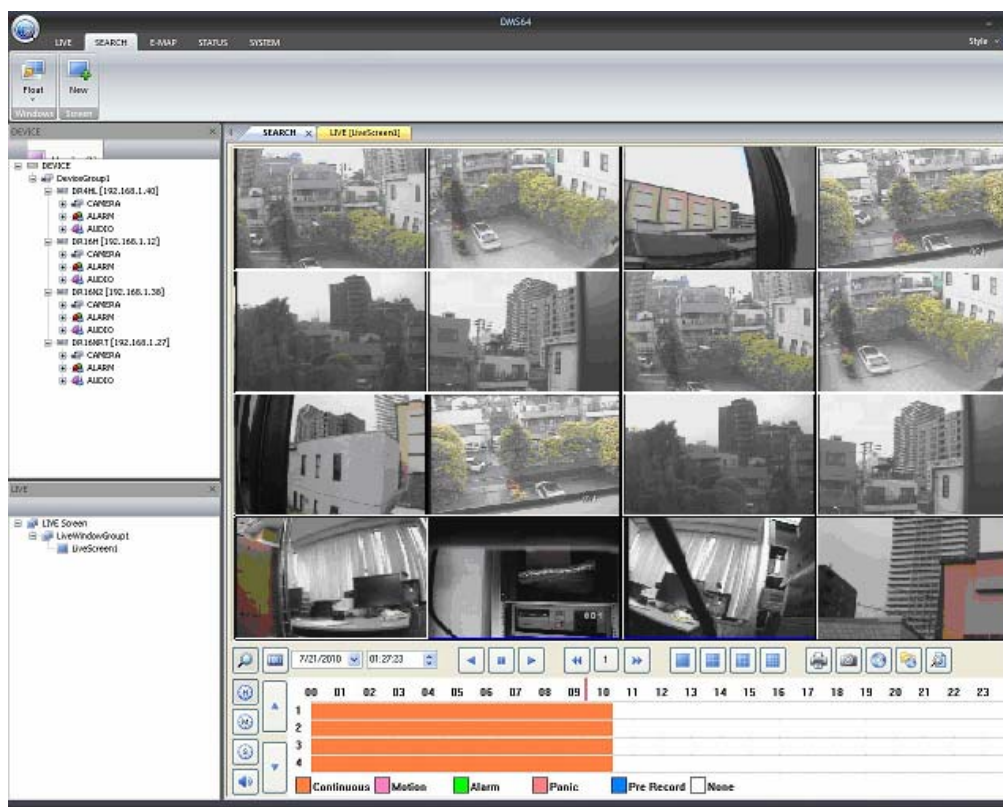
- Recording data from a DIGIMASTER DVR can be shown within DMS.
- Playback local recorded video data of a PixelPro Series IP Camera.
- Click and Drag an entire device and its channel list over to the Search window.
- No search functions can be used unless there is a connection to the target device.


2.2.2 Search Button State

-  New : Reset the search window. (Can only use one search window at a time.)
-  Float : Allows you to Float the Search window over to another monitor.
-  Search Forward : Forward play from the selected position on the timeline.
-  Search Backward : Reverse play from the selected position on the timeline.
-  Search Stop : Stop playback from search window.
-  Display playback using 1 / 4 / 9 / 16-channel multi-screen modes.
-  Print
-  Snapshot
-  Record AVI
-  Open the recorded data folder on the local PC.
-  Search DVR Event Log.
-  2009-10-18  04:11:42  Enter current timeline position.
-  Switch to Panorama mode.
-  Switch to Search mode.
-  Set Time Line unit to one minute..
-  Set Time Line unit to one second
-  Set Time Line unit to one hour.
-   Change the playback speed and direction (1~64x, forward or reverse).
-  Enable Audio.


2.2.3 Playback (Forward, Backward)

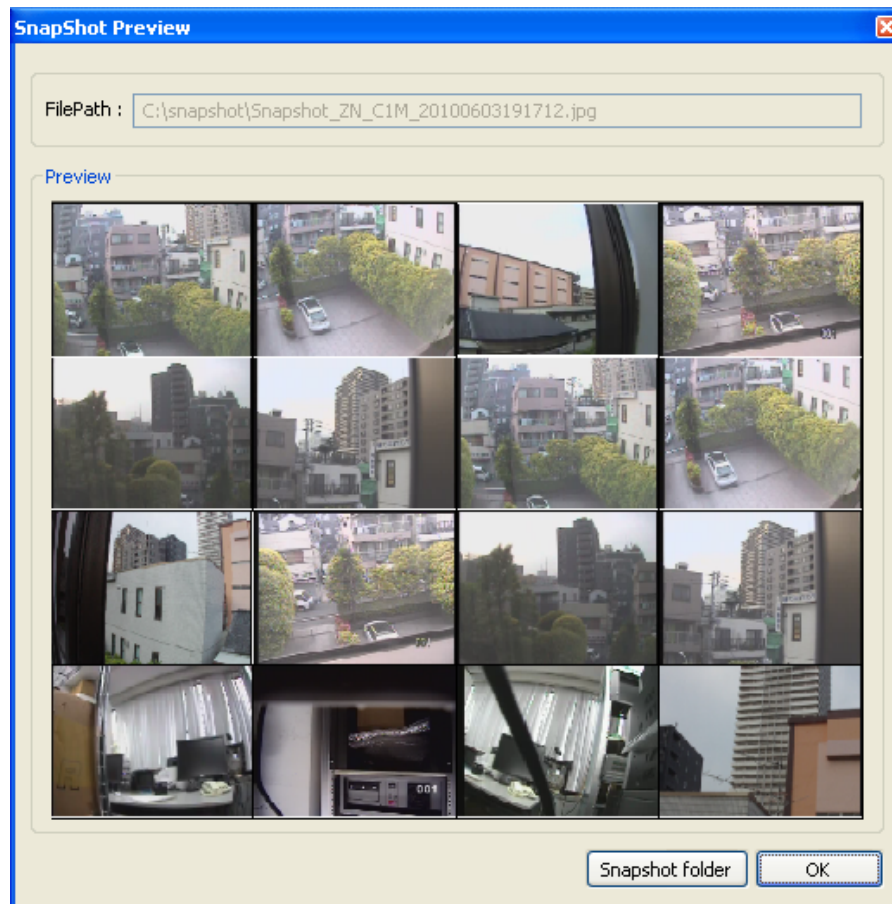
- The timeline display will change to show recorded footage on the selected day.
- Press the 'Play' button to playback from the current position on the timeline.
- During playback, you may choose the speed and direction of play.



NOTE: The Search window also supports a Panorama Search Function.
Split Screen -> CH Selection -> Click Panorama  Button

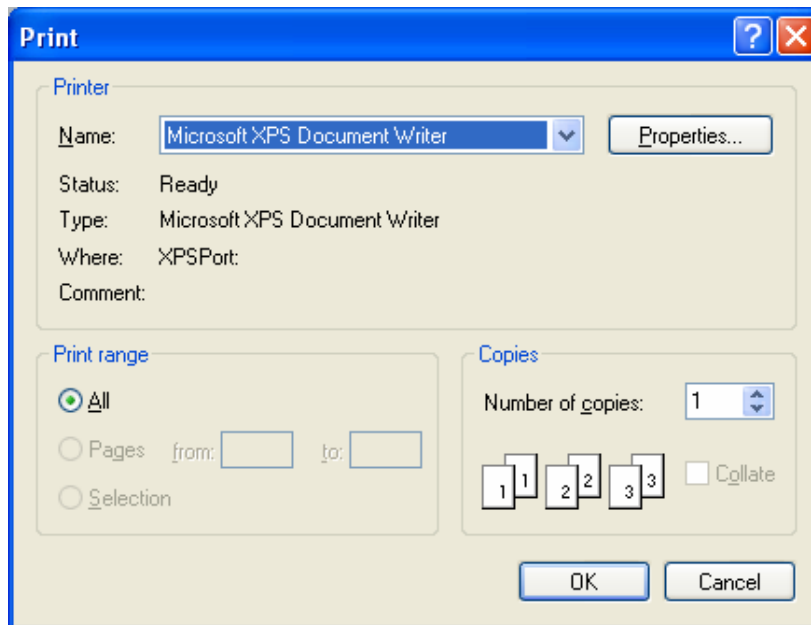
2.2.4 Snapshot (BMP, JPG)

-  Snapshot function button will bring up a Snapshot Preview window.
- The window will show the destination path and filename of the recording folder.
- Double click the preview image, then it could open the original image which will be saved.




2.2.5 Print

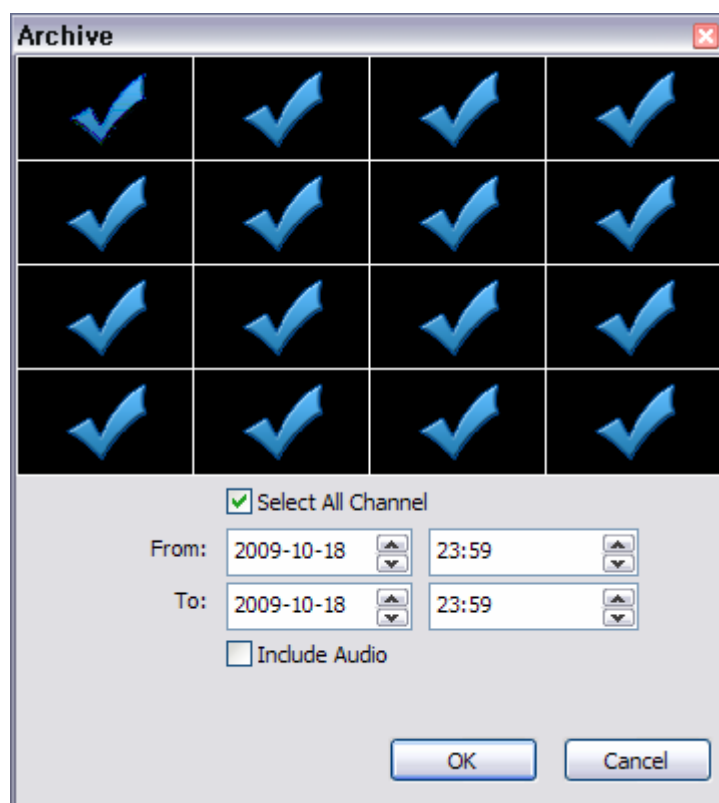
- Print the current selected image to a local or network printer.
- Make sure that all applicable printer drivers have been installed.



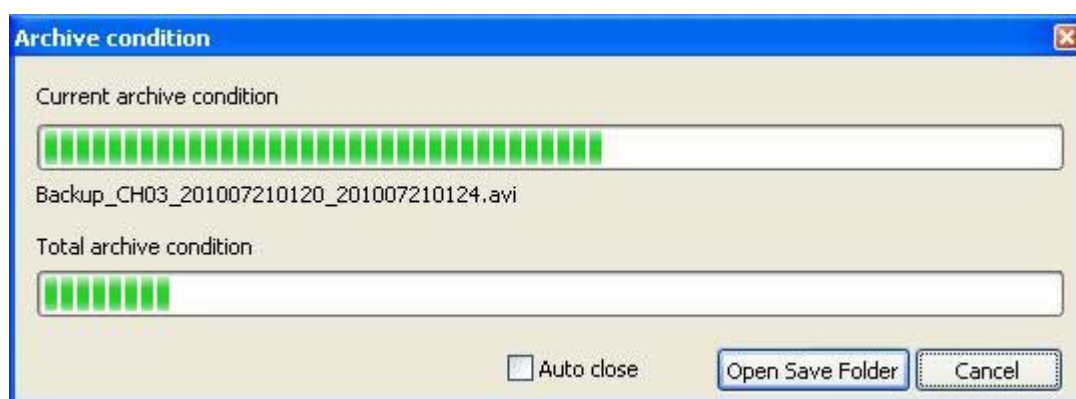
NOTE: The current Split Screen will be printed. The selected channel is not printed.

2.2.6 Archive

-  Archive function button will bring up the Archive preview window.
- Video and audio from any channel can be selected to be included in the Archive.



- Once all the desired archive settings have been configured, click 'OK'.
- The DVR displays a list showing the exact information to be archived.
- If 'Auto Close' is selected, the screen will close automatically after archiving is done.
- You may also choose to open the Save Folder where the archive was created.



2.2.7 Log

- Search the Event Log of any connected DVR.
- Select the desired date/time range and any search filters, and click 'Search'.
- If the Event Log results list contains more than 100 items, you may use the 'Prev' and 'Next' buttons to scroll through the list.
- The Event Log can be printed or saved as a TXT file.

The screenshot shows a window titled "Search Log" with a search interface and a table of results. The search interface includes date and time pickers, checkboxes for "System", "Record", "Alarm", and "etc", and buttons for "Search", "Prev", "Next", "Print", and "Save File". The table displays a list of events, all occurring on 2009-10-17 at 01:25:09. The first 16 events are "Motion detection on" for channels 1 through 15. The next 14 events are "Motion detection off" for channels 1 through 14. The last event is "Motion detection off" for channel 15.

N...	CH	DATE	DESCRIPTION
201	1	2009-10-17 01:25:09	Motion detection on : [CH1]
202	2	2009-10-17 01:25:09	Motion detection on : [CH2]
203	3	2009-10-17 01:25:09	Motion detection on : [CH3]
204	4	2009-10-17 01:25:09	Motion detection on : [CH4]
205	5	2009-10-17 01:25:09	Motion detection on : [CH5]
206	6	2009-10-17 01:25:09	Motion detection on : [CH6]
207	7	2009-10-17 01:25:09	Motion detection on : [CH7]
208	8	2009-10-17 01:25:09	Motion detection on : [CH8]
209	9	2009-10-17 01:25:09	Motion detection on : [CH9]
210	10	2009-10-17 01:25:09	Motion detection on : [CH10]
211	11	2009-10-17 01:25:09	Motion detection on : [CH11]
212	12	2009-10-17 01:25:09	Motion detection on : [CH12]
213	13	2009-10-17 01:25:09	Motion detection on : [CH13]
214	14	2009-10-17 01:25:09	Motion detection on : [CH14]
215	15	2009-10-17 01:25:09	Motion detection on : [CH15]
216	16	2009-10-17 01:25:09	Motion detection on : [CH16]
217	1	2009-10-17 01:25:09	Motion detection off : [CH1]
218	2	2009-10-17 01:25:09	Motion detection off : [CH2]
219	3	2009-10-17 01:25:09	Motion detection off : [CH3]
220	4	2009-10-17 01:25:09	Motion detection off : [CH4]
221	5	2009-10-17 01:25:09	Motion detection off : [CH5]
222	6	2009-10-17 01:25:09	Motion detection off : [CH6]
223	7	2009-10-17 01:25:09	Motion detection off : [CH7]
224	8	2009-10-17 01:25:09	Motion detection off : [CH8]
225	9	2009-10-17 01:25:09	Motion detection off : [CH9]
226	10	2009-10-17 01:25:09	Motion detection off : [CH10]
227	11	2009-10-17 01:25:09	Motion detection off : [CH11]
228	13	2009-10-17 01:25:09	Motion detection off : [CH13]
229	14	2009-10-17 01:25:09	Motion detection off : [CH14]
230	15	2009-10-17 01:25:09	Motion detection off : [CH15]

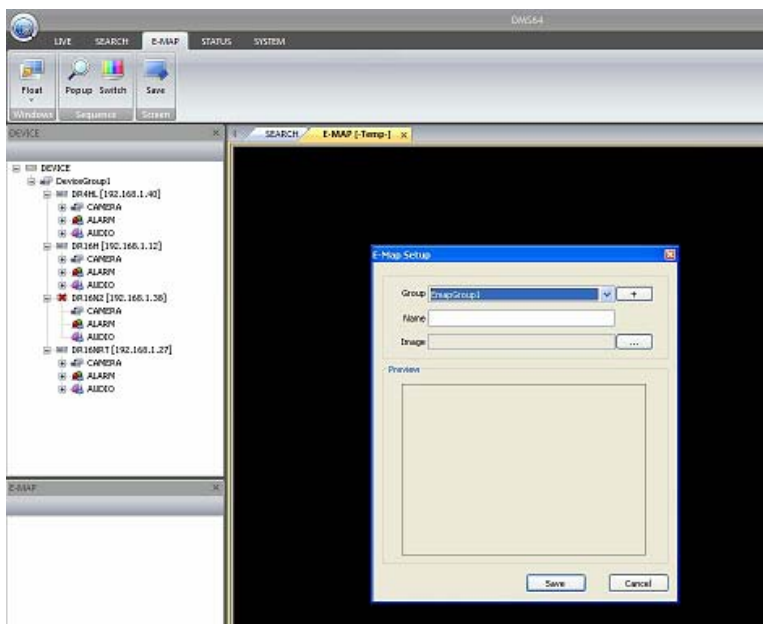
2.3 E-MAP

2.3.1 Summary

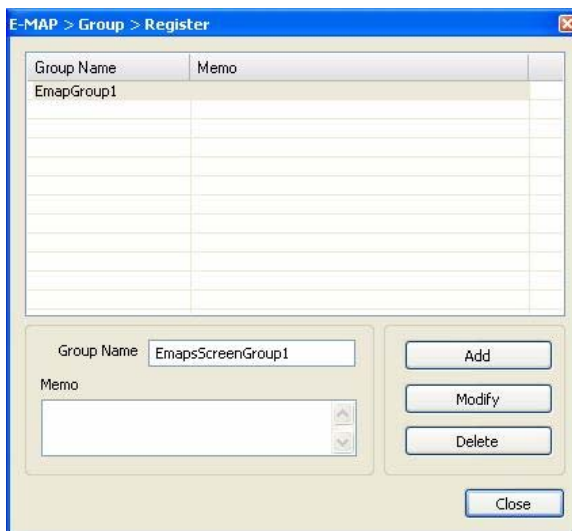
- This function supports the use of camera and alarm icons placed on the e-map image, and allows monitoring of the corresponding camera image by clicking on any icon.

2.3.2 Create an E-Map Screen

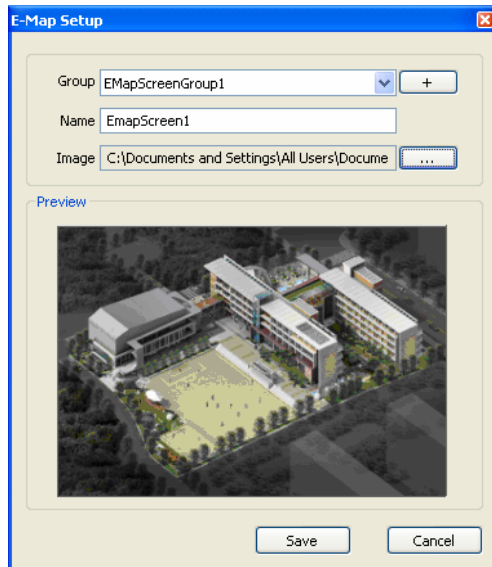
- Click [EMAP], and then click [NEW] to see the E-Map registration window.
- Click the [+] button (as shown below) to see the E-Map Group registration screen.



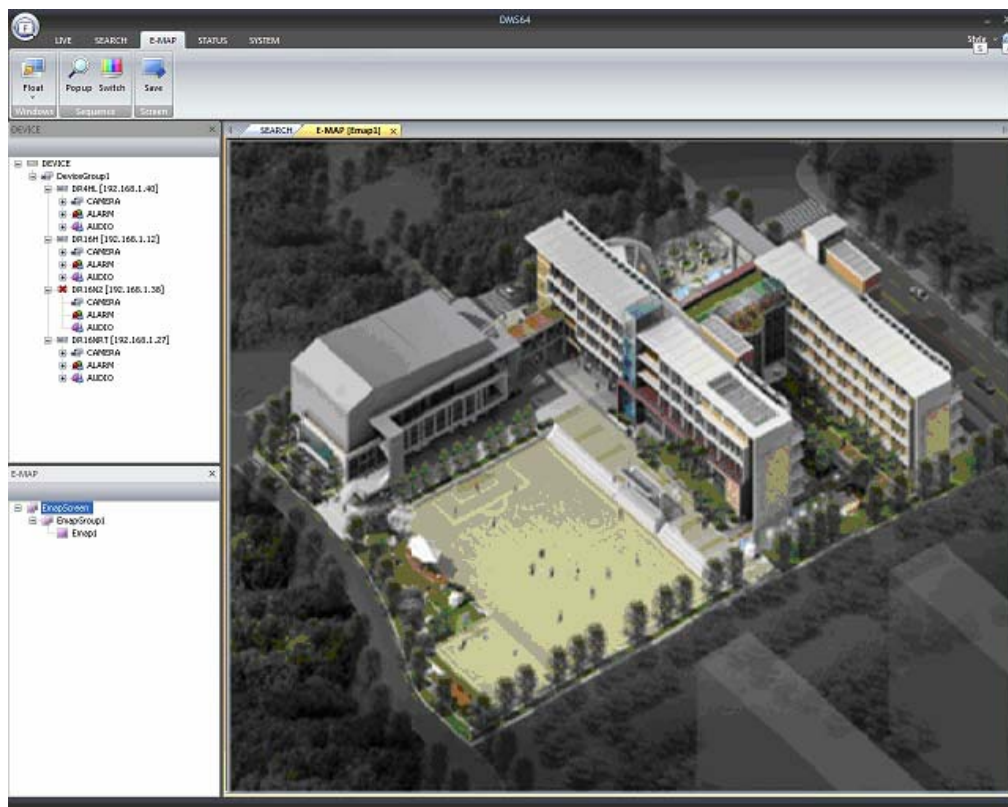
Enter the new Group name and Click 'Add' (as shown below).



Enter the E-Map Screen name (as shown below) and click on the [...] button to register the Map Group on the “Group tree” window.

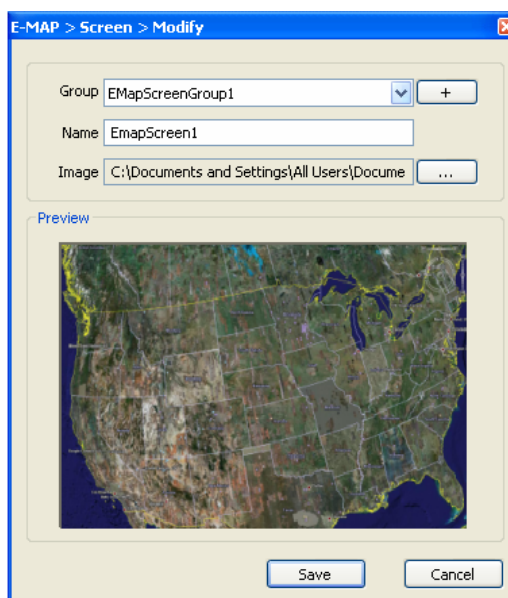
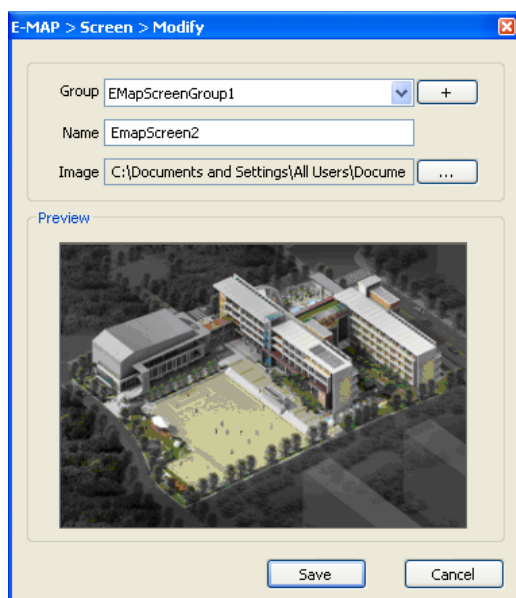
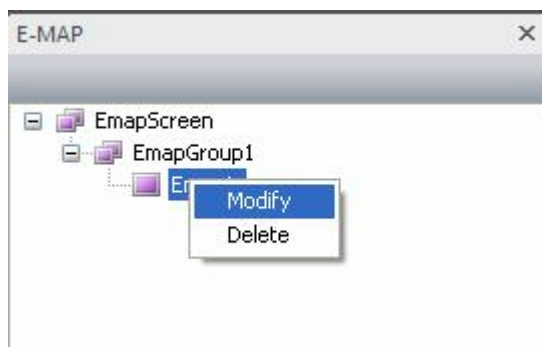


The initial E-Map Screen after the newly-created group and screen have been saved.



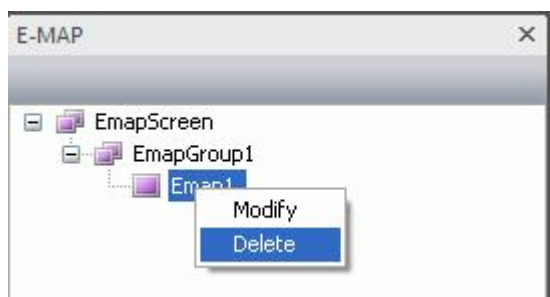
2.3.3 Modify a E-Map Screen

Select an E-Map Screen and right click mouse then select [Modify] to modify an existing E-Map.



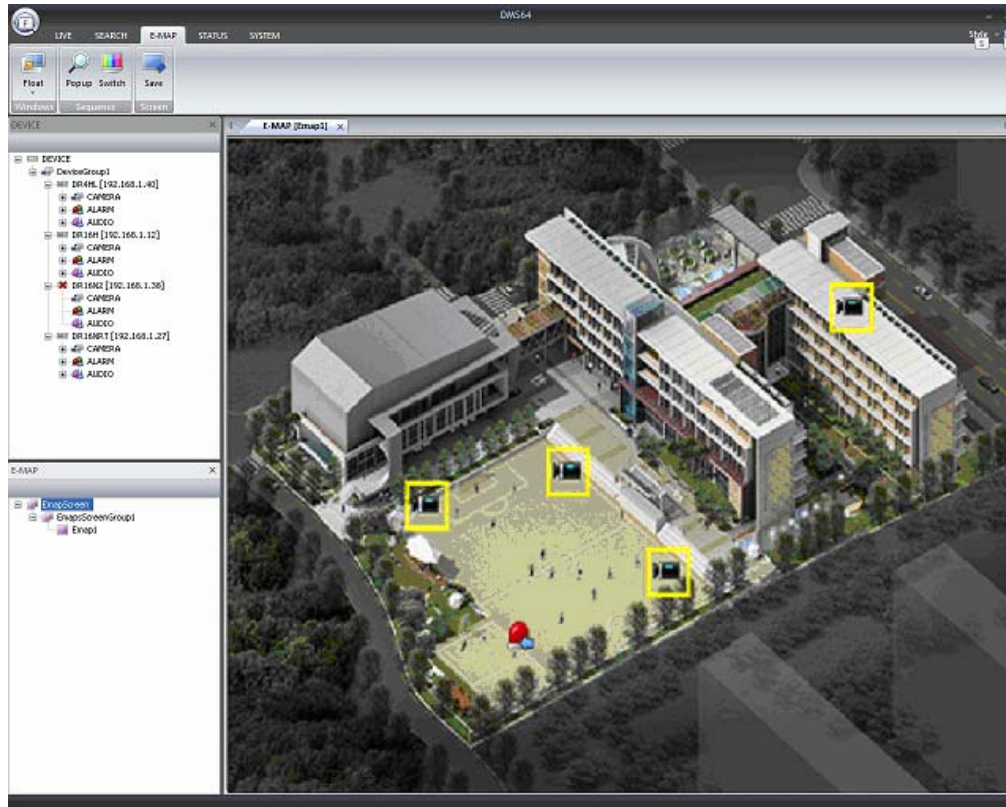
2.3.4 Delete a E-Map Screen

Select an E-Map Screen and right mouse click, then select [Delete] , to delete an E-Map.



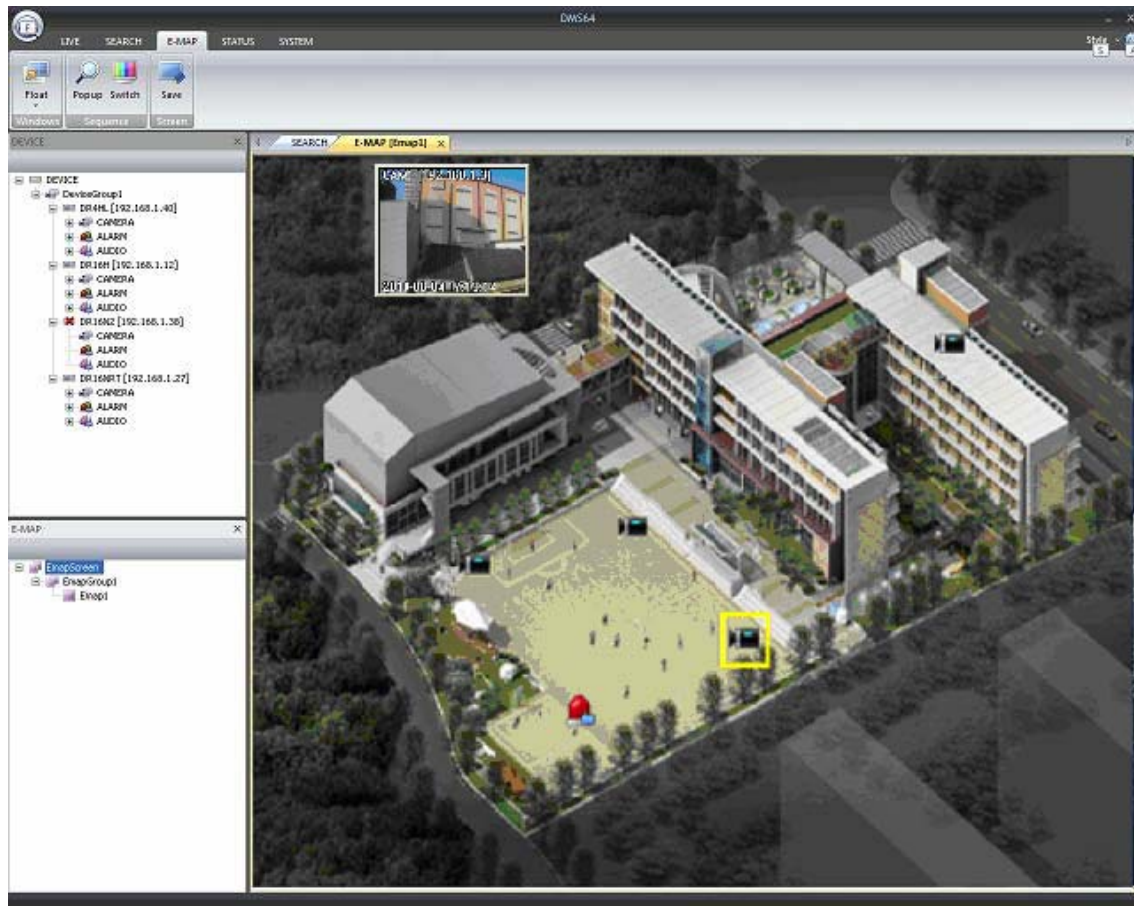
2.3.5 Bind Device to E-Map Screen

- Click on the 'DEVICE' tab at the bottom of the left sidebar panel, then expand the tree.
- Click and Drag the 'CAMERA' item to the E-Map Screen to bind the selected device to the current E-Map Screen.



2.3.6 E-Map Screen Popup (Manual / Auto)

Click on [EMAP], and then click on [Popup] to enable video pop-up upon double-clicking an icon.

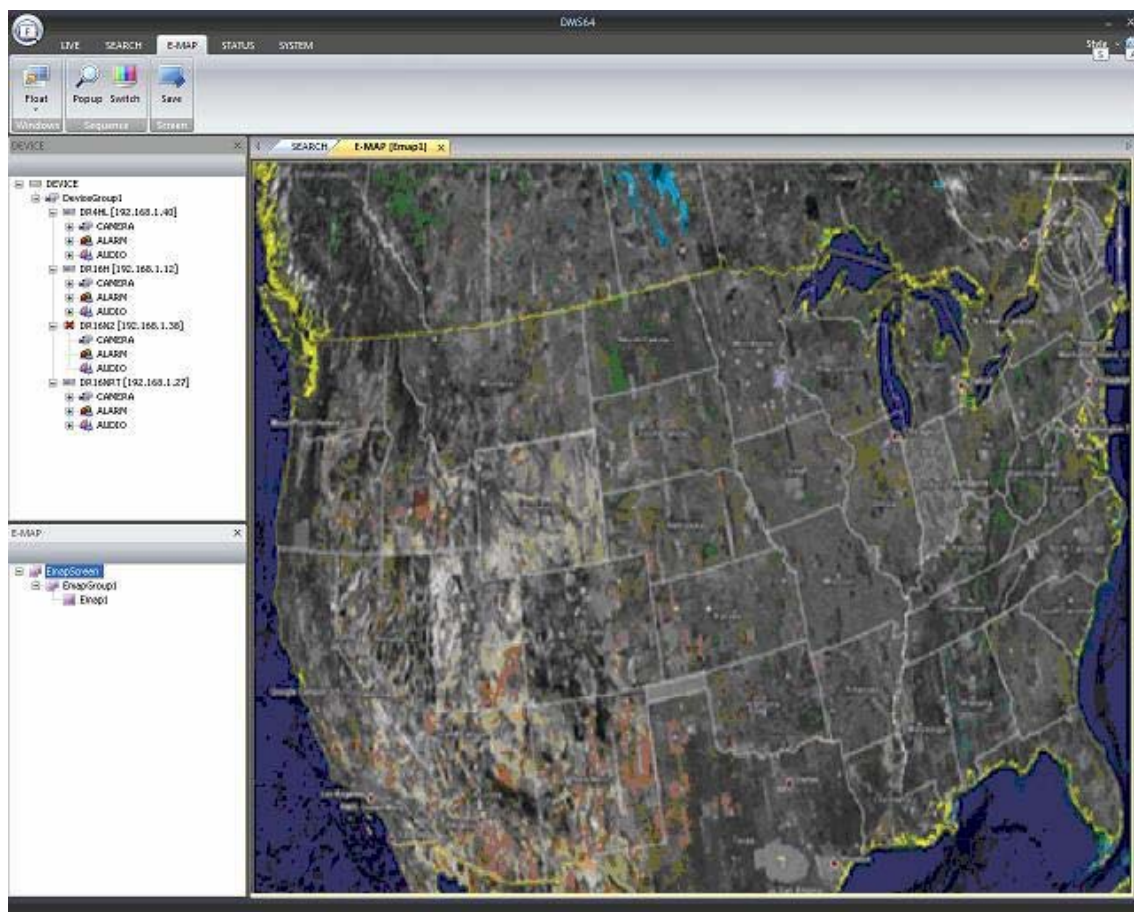


NOTE: The E-Map window will support up to 8 Event Popup Screens. It will allow 8 Popup Screens after the first detected Sensor, and the next event popup would occur after 10 seconds.

2.3.7 E-Map Sequence Switch (Manual / Auto)

Note: This function is available on DMS256 only.

- Click on the 'DEVICE' tab at the bottom of the left sidebar, and then expand the tree.
- Click and Drag the Screen from the E-Map tree onto the selected E-Map Screen, this will generate a Yellow Link Icon.
- Move E-Map Screen by double-clicking.
- When clicking on the [Switch] menu, the E-Maps will switch automatically.
- When the corresponding screen has an event, the E-Map will switch automatically.



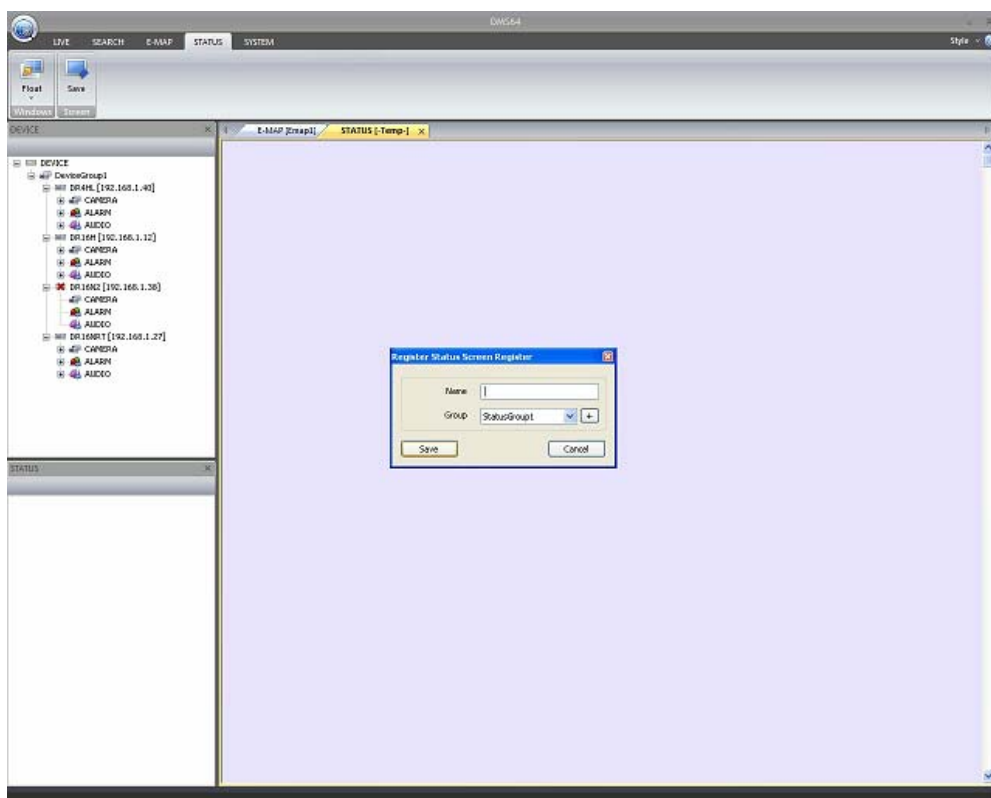
2.4 STATUS

2.4.1 Summary

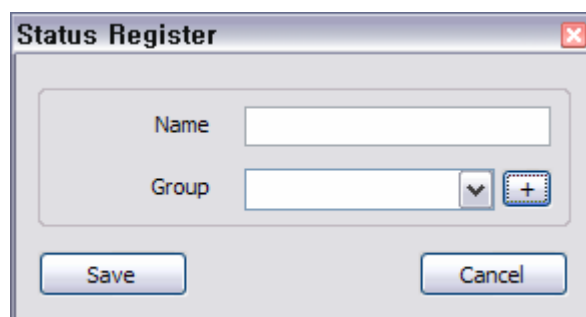
- Shows events (video, audio, alarm) which occur on the devices linked with DMS, sorted by channel, allowing the user to be able to monitor several devices and all channels in real-time.

2.4.2 Create a STATUS Screen

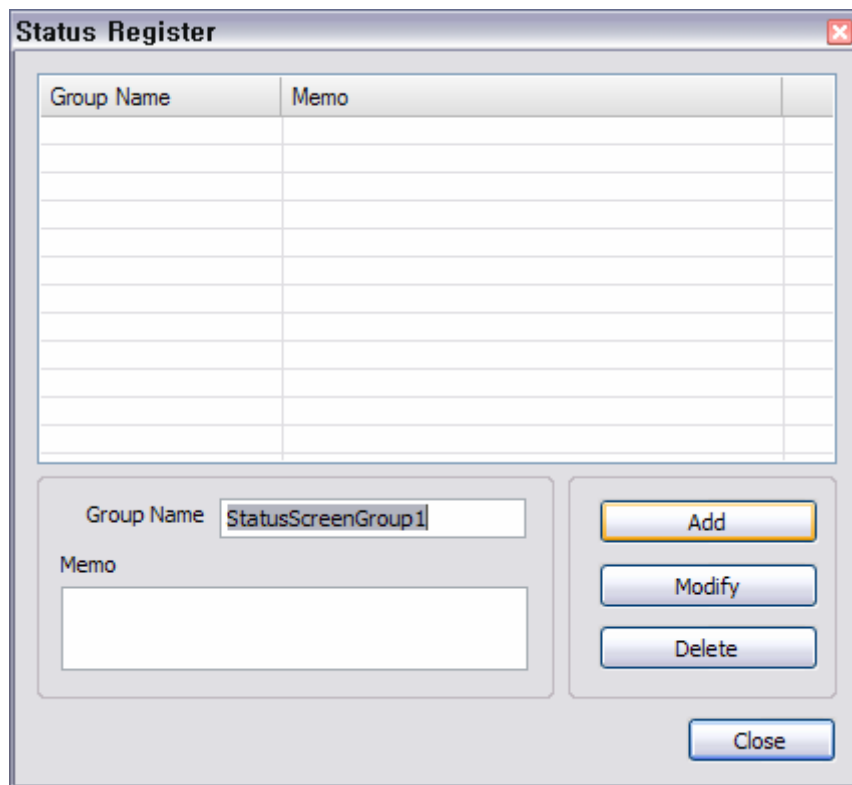
- Click on [STATUS], and then click [Save] to see the Status registration window



Click the [+] button (as shown below) to see the Status Group registration screen.



Click 'ADD' after entering the Group name (as shown below).



The 'Status Register' dialog box features a table with two columns: 'Group Name' and 'Memo'. Below the table, there are input fields for 'Group Name' (containing 'StatusScreenGroup1') and 'Memo'. To the right of these fields are three buttons: 'Add', 'Modify', and 'Delete'. A 'Close' button is located at the bottom right of the dialog.

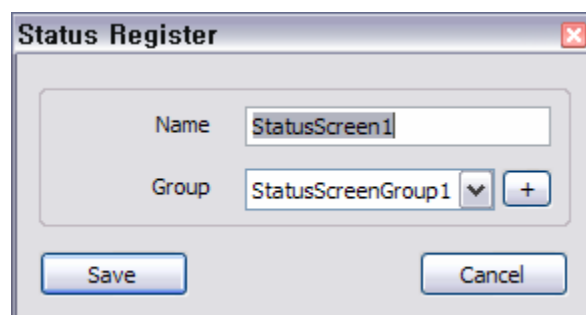
Group Name	Memo

Group Name:

Memo:

Buttons: Add, Modify, Delete, Close

Click 'Save' after entering the Screen name (as shown below).



The 'Status Register' dialog box shows the 'Name' field with 'StatusScreen1' and the 'Group' field with a dropdown menu showing 'StatusScreenGroup1' and a '+' button. At the bottom are 'Save' and 'Cancel' buttons.

Name:

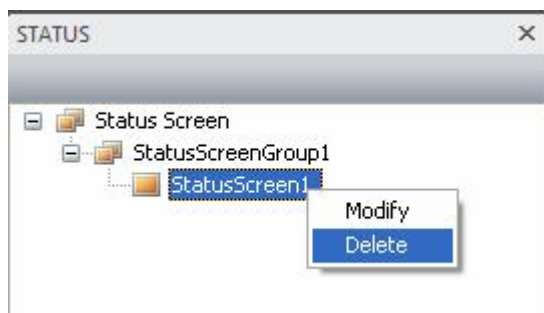
Group: +

Buttons: Save, Cancel



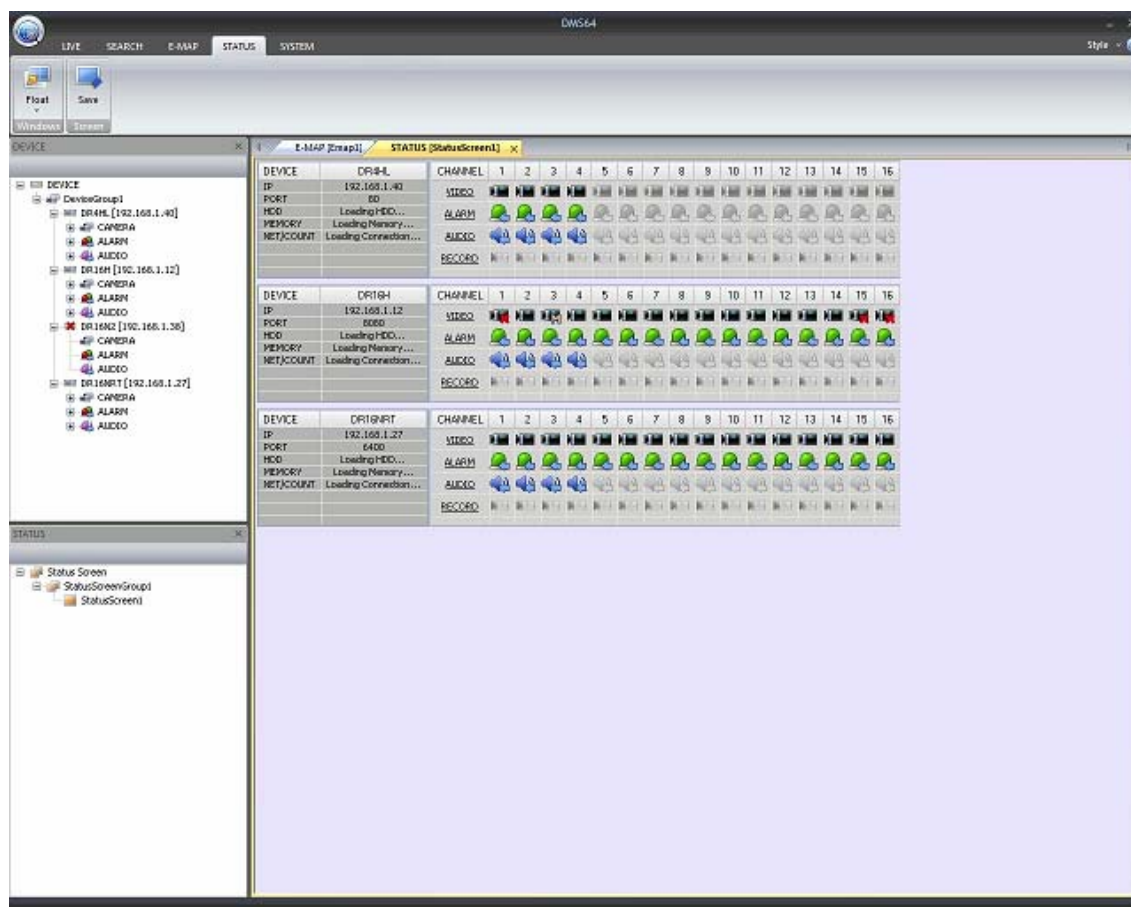
2.4.4 Delete a STATUS Screen

Select a Status Screen and right mouse click, then select [Delete] in order to delete the selected Status Screen.



2.4.5 Bind a STATUS Screen





Select the 'DEVICE' tab on the bottom of the left sidebar menu. Click and Drag the 'Device' item over to the main window in order to bind the selected Device to the Status Screen.



2.4.6 STATUS Screen Event Icon

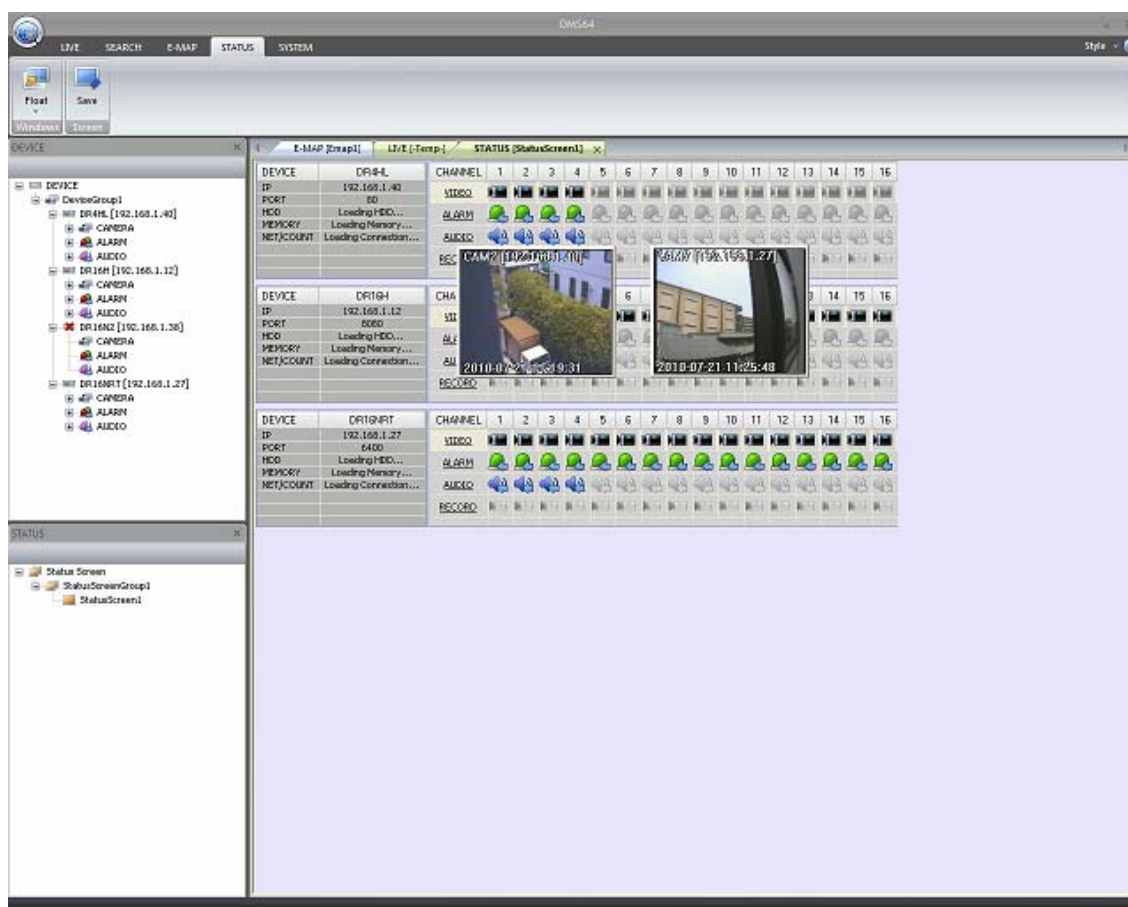
These status icons will reflect the current status of each channel on the connected device (as shown below).

(Motion, Video Loss, Alarm, Audio Event)

DEVICE	d1	CHANNEL	1
IP	192.168.1.20	VIDEO	
PORT	6400	ALARM	
HDD	Loading HDD...	AUDIO	
MEMORY	Loading Memory...	RECORD	
NET/COUNT	Loading Connection...		

2.4.7 STATUS Screen Popup

Click on a channel from any registered device within the Status Screen in order to view a small single-channel live view window of the selected channel, (as shown below).



2.5 System

2.5.1 Summary

- These buttons will work with the Register/Setup/Search functions of DMS.

2.5.2 System Button State

- Register



Device : Register a new device for connection.



User : Register a new user for operating the DMS software.

- LIVE Setup



Setup : Configuration of Live Screen.

- E-MAP Setup



Action Color : Configuration of Event Action Color, UI.

- Log



Device : Search DVR Event Log.



System : Search DMS Log.



Setup : Remote Configuration of a DVR.

- Archive Setup



Snapshot Record AVI : Configuration of Snapshot and AVI recording.

- NVR



RECORD : Record setting for IP camera (maximum 4 units).

2.5.3 Device Registration

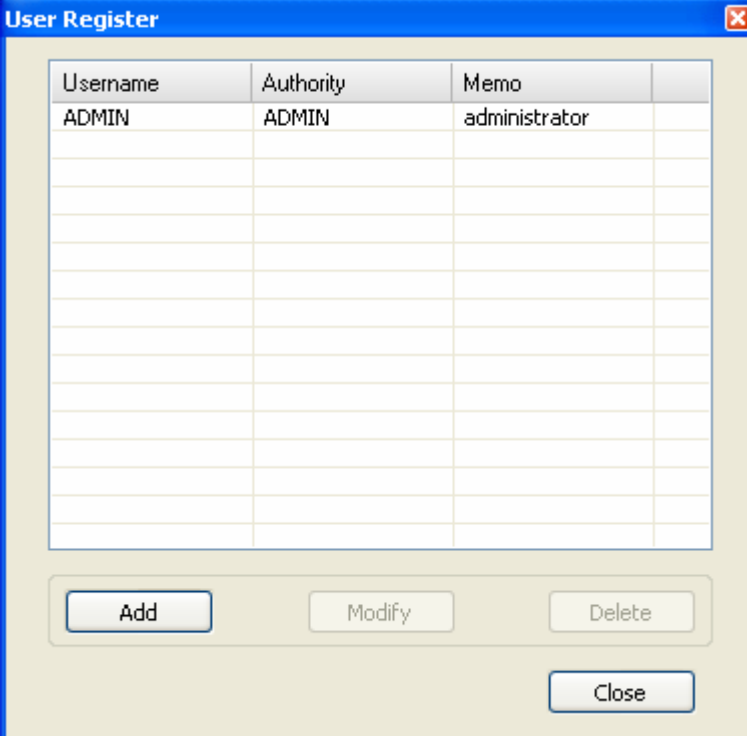
- Register a new device.
- Add : Register after entering the correct setup information.
- Modify : Modify setup information of selected registered device(s).
- Delete : Delete the selected device from the registered list of devices.

[illegible]

- The 'Company' selection tab:
 - DRxN group – DR4N, DR8N, DR16N, DR8NRT, DR16NRT, DR4N-Lite
 - IP CAM - PixelPro (VGA), PixelPro (720p), PixelPro (1080p)
 - DRxH group – DR4H, DR8H, DR16H

2.5.4 User Registration

- Register a new DMS user account.
- Permissions for DMS control can be managed by configuring the authority level of each user group.
- By default, the DMS is configured with a user ID of 'ADMIN', belonging to the 'ADMIN' user group, with a default password of '1234'.



The image shows a 'User Register' dialog box with a blue title bar and a close button. It contains a table with three columns: 'Username', 'Authority', and 'Memo'. The first row is pre-filled with 'ADMIN', 'ADMIN', and 'administrator'. Below the table are four buttons: 'Add', 'Modify', 'Delete', and 'Close'.

Username	Authority	Memo
ADMIN	ADMIN	administrator

Add Modify Delete

Close

- Click 'Add' and then enter the Username, Password, (and Password Confirmation), Authority (User Group), Memo (Notes).

The image shows two side-by-side dialog boxes. The 'User Register' dialog on the left contains a table with three columns: Username, Authority, and Memo. The first row is populated with 'ADMIN', 'ADMIN', and 'administrator'. Below the table are buttons for 'Add', 'Modify', 'Delete', and 'Close'. The 'User Setup' dialog on the right contains input fields for 'Username' (set to 'Manager'), 'Password' (masked with four dots), 'Confirm' (masked with four dots), 'Authority' (a dropdown menu set to 'MANAGER'), and a 'Memo' text area. It also has 'Save' and 'Cancel' buttons.

Username	Authority	Memo
ADMIN	ADMIN	administrator

- Select a name from the list, and click 'Modify' to change any of the contents.

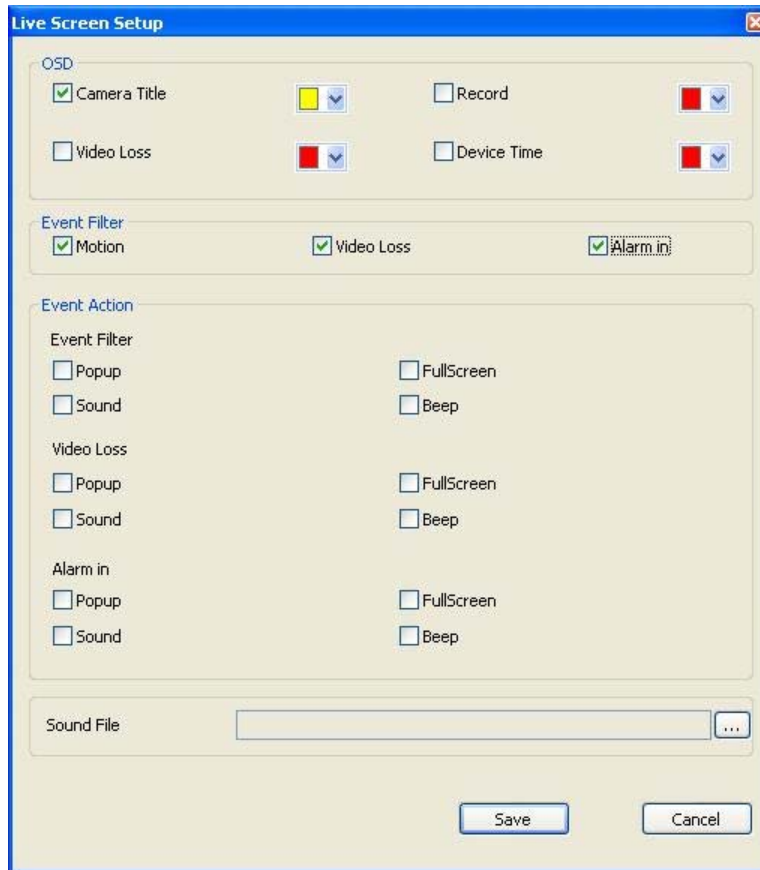
The image shows the same two dialog boxes as before, but in a different state. In the 'User Register' dialog, the 'Manager' row in the table is highlighted. In the 'User Setup' dialog, the 'Memo' field now contains the text 'Manager Group'.

Username	Authority	Memo
ADMIN	ADMIN	administrator
Manager	MANAGER	Manager

[illegible]

2.5.5 Live Setup

- Select the 'LIVE Setup' tab on the "SYSTEM", then open Live Screen Setup.



Live Screen Setup

OSD

Configure the OSD settings for the Live Screen.

Set the Color for each OSD feature.

Event Filter

Select which Events will be shown on the Live Screen.

Ignore any unselected Events on the Live Screen.

Event Action

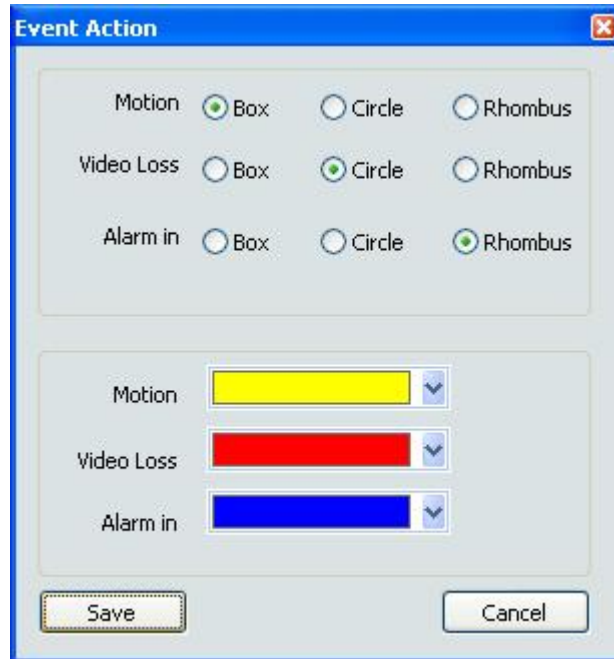
Select the Action which will be taken upon each Event.

Sound File

Set the delay time for each Event Action.

2.5.6 E-Map Setup

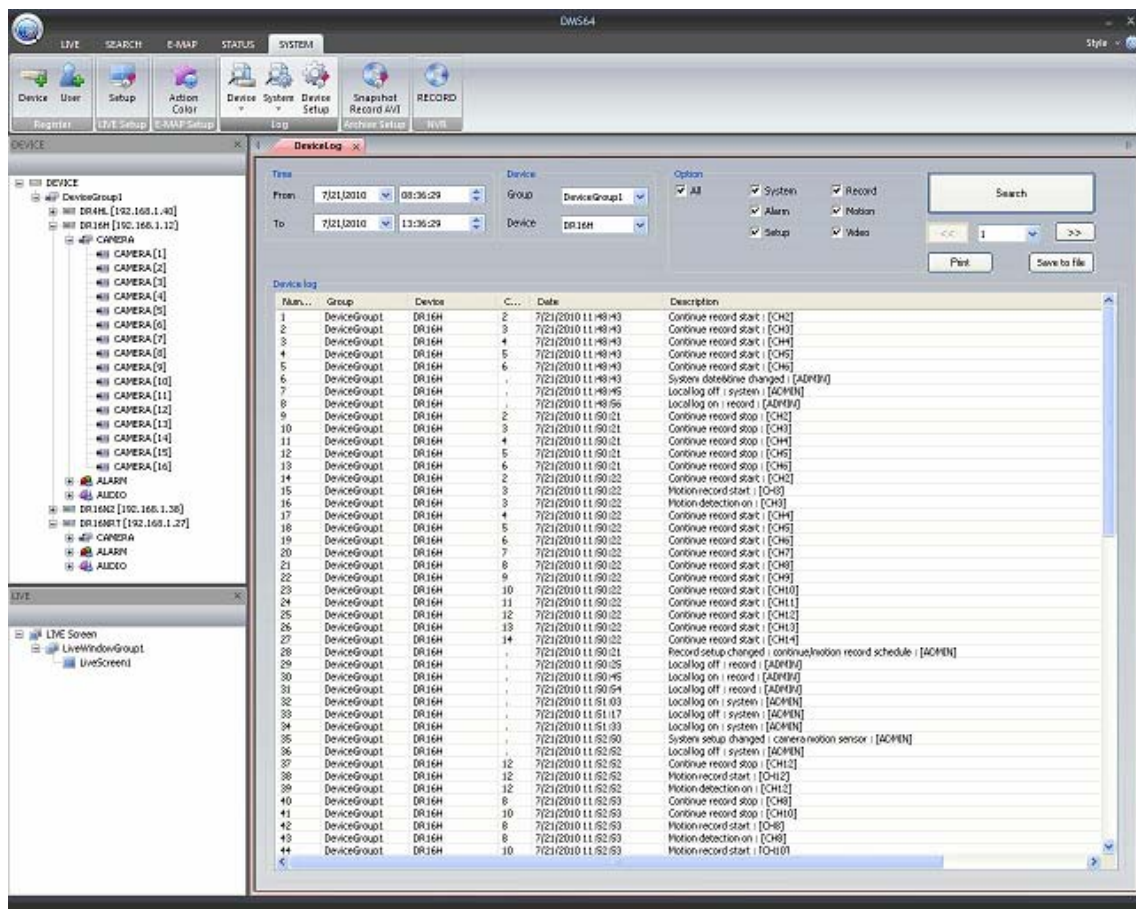
Click on [EMAP Setup] then select the desired Event Action Color and Event Action UI for each type of event.



2.5.7 Device Event Log (DVR Event Log)

- This function allows the user to search through the Event Log of the registered device.
- This operation will occur on the Main Monitor, and cannot utilize the Float function..
- Time : Input the range of 'From' and 'To' dates and times which you want to search.
- Device : Select the device which you wish to search.
- Option : Check each of the event filters to refine your search.
- Print : Allows printing of search results.
- Save to File : Allows saving of search results (to a plain text file).

The recording folder will be the same one that is being used for Archiving.



2.5.8 System Event Log (DMS Event Log)

- This function allows the user to search through the Event Log of the DMS Software.
- This operation will occur on the Main Monitor, and cannot utilize the Float function.
- Time : Input the range of 'From' and 'To' dates and times which you want to search.
- Option : Check each of the event filters to refine your search.
- Print : Allows printing of search results..
- Save to File : Allows saving of search results (to a plain text file).

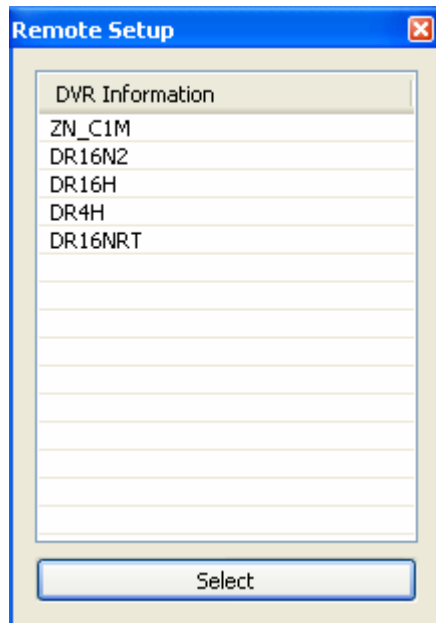
The recording folder will be the same one that is being used for Archiving.

The screenshot displays the 'SystemLog' window in the DMS64 software. The interface includes a search bar with 'From' and 'To' date/time pickers. Below the search bar are checkboxes for 'All', 'Live', 'Search', 'E-Map', 'Status', 'System', and 'Other'. A 'Search' button is located to the right of these options. Below the search area is a table titled 'System log' with the following columns: Number, Account, Authority, Group name, Device name, Ch..., Date, Tab name, and Description. The table contains a list of events, including system events (e.g., Device Log Search, User Add) and device status events (e.g., Connected to DVR, Disconnected to DVR). The left sidebar shows a tree view of the system hierarchy, including 'DEVICE' and 'LIVE' sections.

Number	Account	Authority	Group name	Device name	Ch...	Date	Tab name	Description
97	ACMEN	ACMEN				2010-07-21 11:53:54	SYSTEM	Device Log Search
96	ACMEN	ACMEN				2010-07-21 11:53:44	SYSTEM	Device Log Search
95	ACMEN	ACMEN				2010-07-21 11:53:32	SYSTEM	Device Log Search
94	ACMEN	ACMEN				2010-07-21 11:53:01	SYSTEM	Device Log Search
93	ACMEN	ACMEN				2010-07-21 11:52:19	SYSTEM	Device Log Search
92	ACMEN	ACMEN				2010-07-21 11:52:07	SYSTEM	User Add
91	ACMEN	ACMEN	DeviceGroup1	DR16NRT		2010-07-21 11:51:16	COMMON	Connected to DVR
90	ACMEN	ACMEN	DeviceGroup1	DR16N2		2010-07-21 11:51:16	COMMON	Connect failed to DVR
89	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:51:15	COMMON	Connected to DVR
88	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:51:15	COMMON	Connected to DVR
87	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:51:03	SYSTEM	All Device Disconnect
86	ACMEN	ACMEN	DeviceGroup1	DR16NRT		2010-07-21 11:50:21	COMMON	Disconnected to DVR
85	ACMEN	ACMEN	DeviceGroup1	DR16N2		2010-07-21 11:50:21	COMMON	Disconnect failed to DVR
84	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:50:21	COMMON	Disconnected to DVR
83	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:50:19	COMMON	Disconnected to DVR
82	ACMEN	ACMEN	StatusScreen...			2010-07-21 11:52:14	STATUS	Group Add
81	ACMEN	ACMEN				2010-07-21 11:18:46	SEARCH	Screen Delete
80	ACMEN	ACMEN				2010-07-21 11:18:46	SEARCH	Screen Create
79	ACMEN	ACMEN				2010-07-21 11:18:46	SEARCH	Screen Delete
78	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:18:46	SEARCH	Disconnected to server by Network problem
77	ACMEN	ACMEN	EnmapGroup1	Enmap1		2010-07-21 11:18:41	EMAP	Screen Delete
76	ACMEN	ACMEN	EnmapScreen...			2010-07-21 11:15:03	EMAP	Group Modified
75	ACMEN	ACMEN	EnmapScreen...			2010-07-21 11:14:57	EMAP	Group Add
74	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:11:50	SEARCH	Log Search
73	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:11:09	SEARCH	Disconnected to server by Network problem
72	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:11:07	SEARCH	Forward Play
71	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:11:02	SEARCH	Disconnected to server by Network problem
70	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:11:00	SEARCH	Forward Play
69	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:10:55	SEARCH	Screen Create
68	ACMEN	ACMEN	DeviceGroup1	DR16NRT		2010-07-21 11:10:40	COMMON	Connected to DVR
67	ACMEN	ACMEN	DeviceGroup1	DR16N2		2010-07-21 11:10:39	COMMON	Connect failed to DVR
66	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:10:39	COMMON	Connected to DVR
65	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:10:39	COMMON	Connected to DVR
64	ACMEN	ACMEN				2010-07-21 11:10:38	COMMON	ONS Professional Exit
63	ACMEN	ACMEN				2010-07-21 11:10:28	SYSTEM	All Device Disconnect
62	ACMEN	ACMEN	DeviceGroup1	DR16NRT		2010-07-21 11:10:27	COMMON	Disconnected to DVR
61	ACMEN	ACMEN	DeviceGroup1	DR16N2		2010-07-21 11:10:27	COMMON	Disconnect failed to DVR
60	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:10:27	COMMON	Disconnected to DVR
59	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:10:25	COMMON	Disconnected to DVR
58	ACMEN	ACMEN				2010-07-21 11:10:22	SEARCH	Screen Delete
57	ACMEN	ACMEN				2010-07-21 11:10:19	COMMON	ONS Professional Start
56	ACMEN	ACMEN				2010-07-21 11:10:04	SEARCH	Screen Create
55	ACMEN	ACMEN	DeviceGroup1	DR16NRT		2010-07-21 11:09:48	COMMON	Connected to DVR
54	ACMEN	ACMEN	DeviceGroup1	DR16N2		2010-07-21 11:09:47	COMMON	Connect failed to DVR
53	ACMEN	ACMEN	DeviceGroup1	DR16H		2010-07-21 11:09:46	COMMON	Connected to DVR

2.5.9 Device Setup (Remote setup)

- Allows access to the Remote Setup menu of any connected device.
- You may only open one Remote Setup menu at a time.
- Select a device from the list, and press the Select button to access Remote Setup.



2.5.10 Archive Setup (Snapshot Record AVI)

- Configure the settings for saving a Snapshot and archived video.

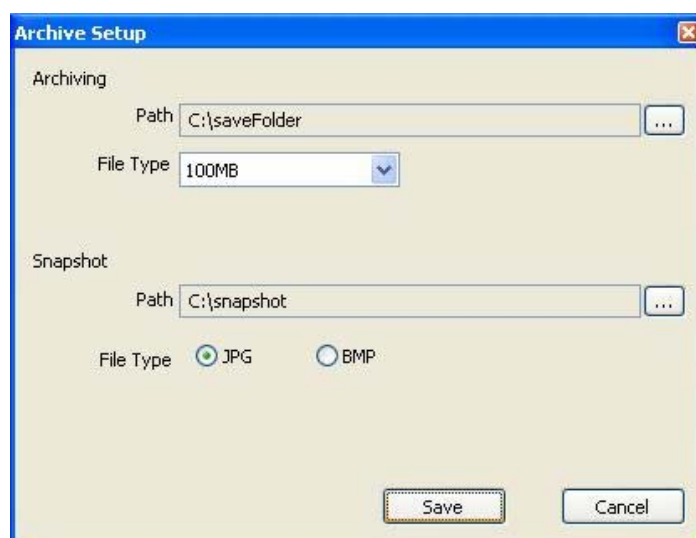
Archiving

- Path : Select the path for the folder where archived video will be saved.
- File Size : Set the Maximum Recording Size for each file.

If the amount of selected data exceeds the maximum file size setting, the archive files will be divided into multiple segments, up to the maximum file size.

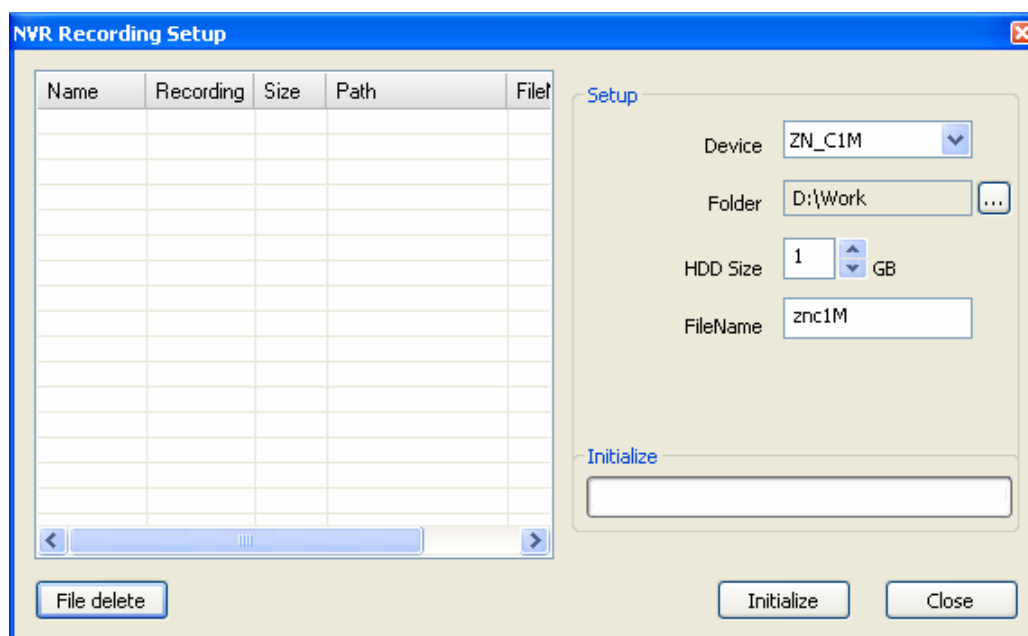
Snapshot

- Path : Select the path for the folder where images will be saved.
- File Type : Select the file format, either JPG or BMP.



2.5.11 NVR Registration

- Setup Local Recording of one or more IP Cameras.
- Device : Choose the type of IP Camera or other network device to be registered.
- Folder : Setup a Folder (or partition) for recorded video data.
(It should have a size of at least 1GB.)
- HDD Size : Choose the size of the designated recording space. (1TB Maximum)
- File Name : Enter the recording output file name. (no file extension needed)
- Do Record : Choose whether or not to start recording immediately upon connection.
- There is a progress bar which indicates the progress during initialization of the local recording partition, which will occur after configuring the settings, and clicking Save.
- The list on the left side of this menu will display all created local recording folders.



- Once a local recording folder has been established and initialized, the results will be indicated as shown below.
- The video data will fill the entire capacity of the folder, and then will continue to record in Overwrite mode, overwriting the oldest data first..
- You can use the normal Search function to view the recording data from this folder.

