

USER'S MANUAL SM4 / SM8 / SM16



REMOTE AGENT
Revision Date : 2008.10.02.

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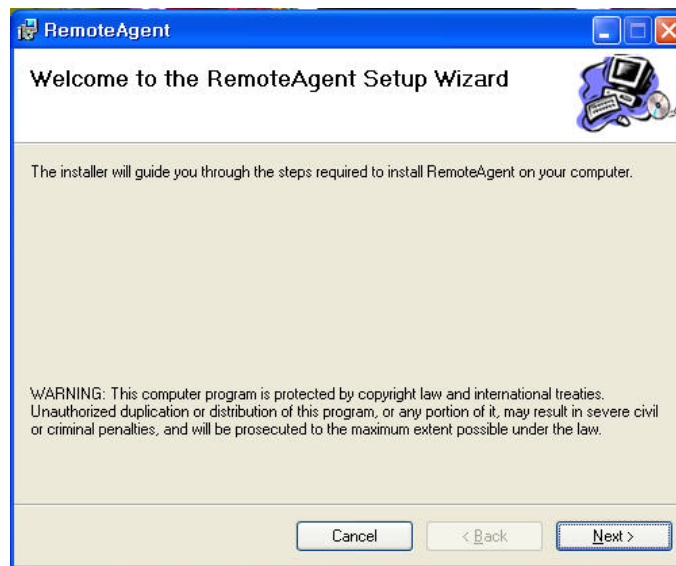
1. INSTALLATION

- **System Requirement**

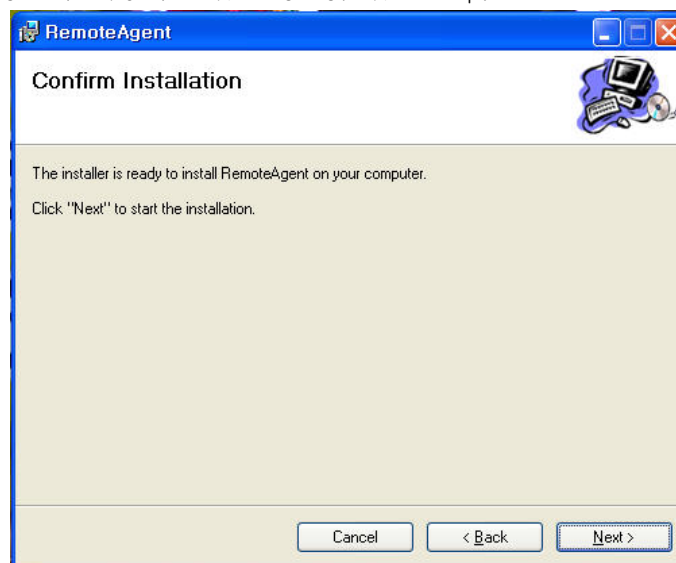
- ① Main Board (CPU): Pentium-500(Minimum), Pentium 4 recommend
- ② OS: Higher than Windows 2000, DirectX 7.0A
- ③ Memory (RAM): More than 128 M
- ④ VGA: Graphic card that support the DIRECT-X
 - ※ IMM4 Codec (When Playback Backup File)

- **DVR Remote Agent Install**

- ① Open CD-ROM Drive and Run 'ragent_v1.0.0.0-0.0.0.0.exe' then Appear Setup Menu.

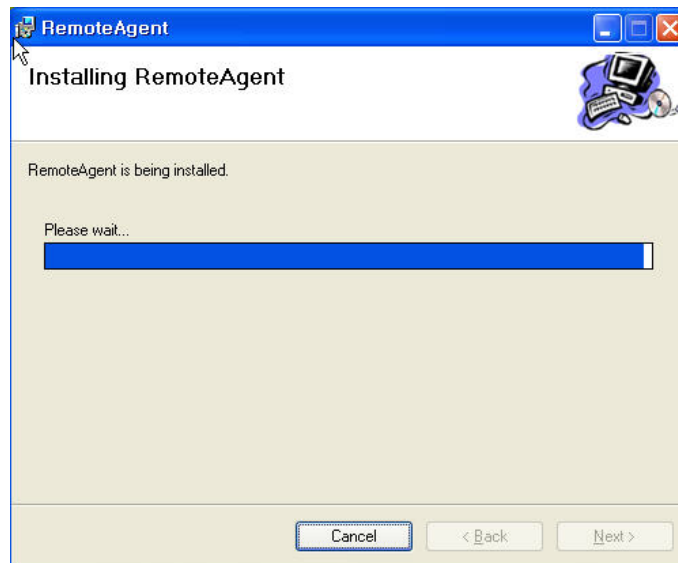


- ② Close All Running Software and Press Next to Move Next Step.

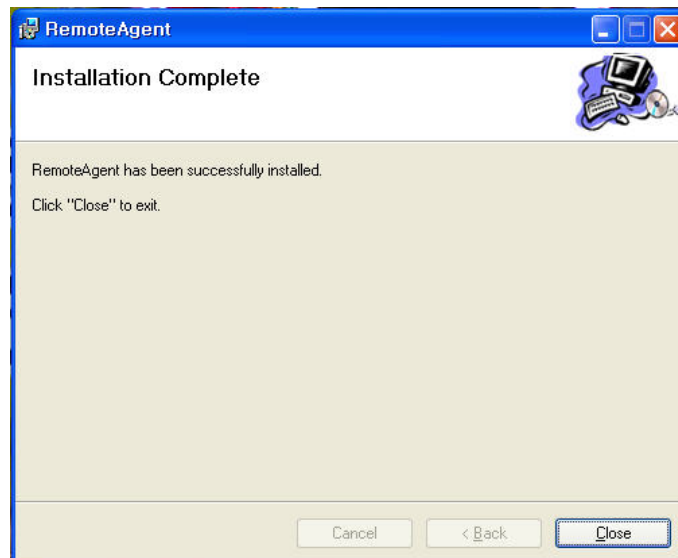


1. INSTALLATION

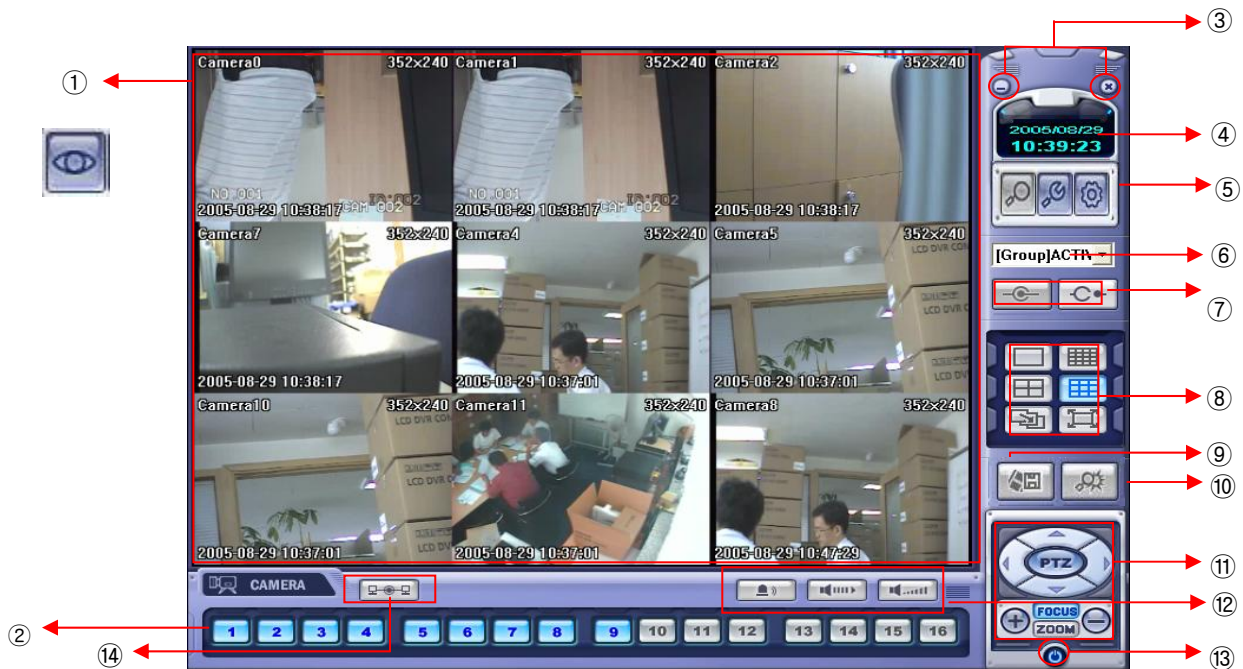
- ③ Showing Progress of Copy of Files.



- ④ Finish DvrRemoteAgent Program Installation.



2. Function introduction



- ① Main Screen Image : Showing Present Surveillance Camera Image.
- ② Camera Selection Button : Indicate Connected Camera No. & Select Image to Click Camera No.
- ③ Hidden/Exit : Hide DVR Client Window or Exit Program.
- ④ Time Output : Showing Present Time & Date.
- ⑤ SEARCH : Move to Search Mode to Play Video.
Local/DVR SETUP : Move to Setup to Change Network Setup or Option.
- ⑥ DVR Selection : Select I/D to Connect Server.
- ⑦ Connect : Connect DVR.
Disconnect : Disconnect from DVR.
- ⑧ Screen Division Selection : Change Screen Division Mode.
- ⑨ Save by AVI file : Transmission Live Image Save by AVI File.
- ⑩ Event viewer : Showing Present Event in Server & Find Image.
- ⑪ PTZ Control Button : Control Camera PTZ & Focus.
- ⑫ Audio Button and Alarm : Control Two Way Audio & Mute and Alarm On/Off.
- ⑬ Quit : Exit DVR Client.
- ⑭ Connection Status: Showing the connected DVR.

3. Local setup

1. Connect Manager



Local Configuration

Connect Manager Configuration

Group

- Site
- Intelli
- shin

DVR Information

Name: shin
IP: 00115#0011b.dvr.net
PORT: 6200
ID: ADMIN
PW: ****

Camera Assign

RA				DVR			
1	2	3	4	1	2	3	4
x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x

Event

☒ System ☒ Alarm ☒ Video ☒ Record

In/Out

☒ Audio out ☒ Alarm out

Monitoring audio: 1
Connection count: 3

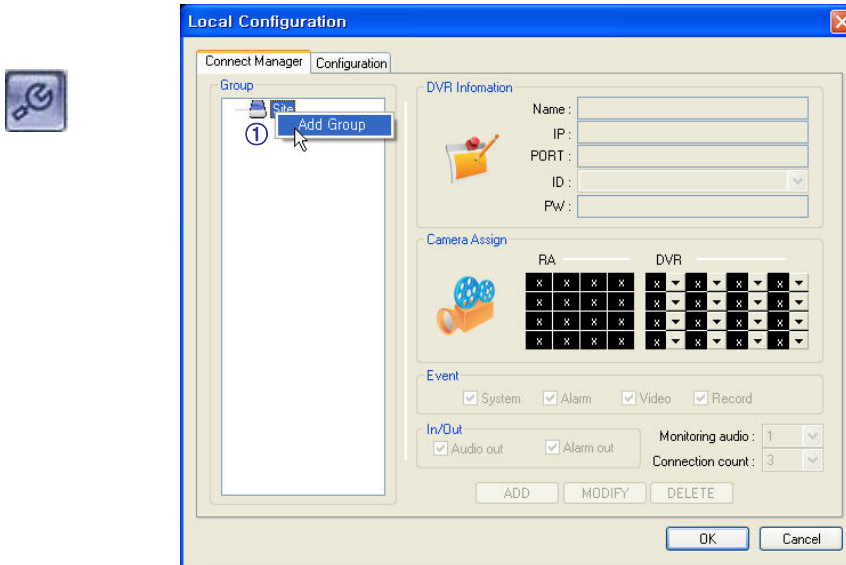
ADD MODIFY DELETE

OK Cancel

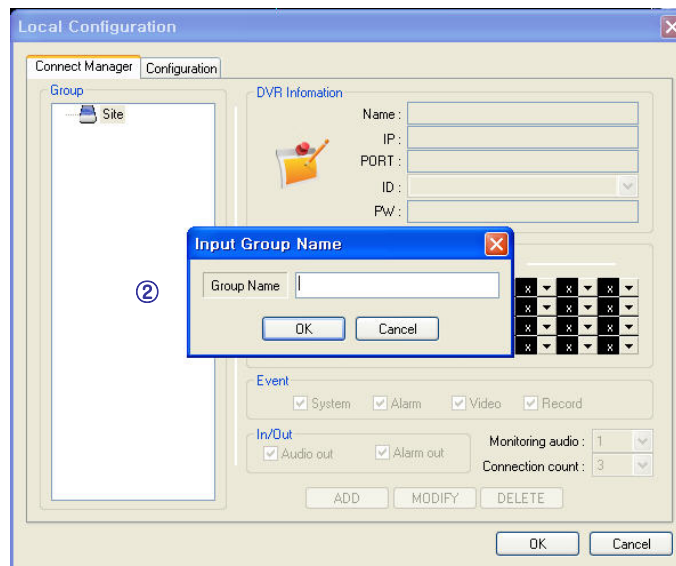
- ① Group & DVR list.
- ② DVR Information.
- ③ Camera Assign : Setup camera.
- ④ Option Check.(Event-system, alarm, video, record & In/Out)
- ⑤ Add, modify, delete group.

3. Local setup

2. Add Group



① At 'site' of left upper side, right click the "Add Group".



② Input the Group name.

3. Local setup

The 'Local Configuration' window has two tabs: 'Connect Manager' and 'Configuration'. The 'Configuration' tab is active. On the left, under 'Group', there is a tree view with 'Site' and 'Intellix'. The main area is titled 'DVR Information' and contains the following fields:

- Name: Shin
- IP: 00115#0011b.dvrlink.net
- PORT: 6200
- ID: ADMIN (dropdown menu)
- PW: ****

Below these fields is the 'Camera Assign' section, which includes a grid for assigning cameras to DVR channels. The grid has 4 columns for RA (1-4) and 4 columns for DVR (1-4). All cells in the grid contain an 'x'. Below the grid are checkboxes for 'Event' (System, Alarm, Video, Record) and 'In/Out' (Audio out, Alarm out). At the bottom right, there are dropdown menus for 'Monitoring audio' (set to 1) and 'Connection count' (set to 3). At the bottom are buttons for 'ADD', 'MODIFY', 'DELETE', 'OK', and 'Cancel'.

③ Input DVR information.(name, IP, port, ID, PW)

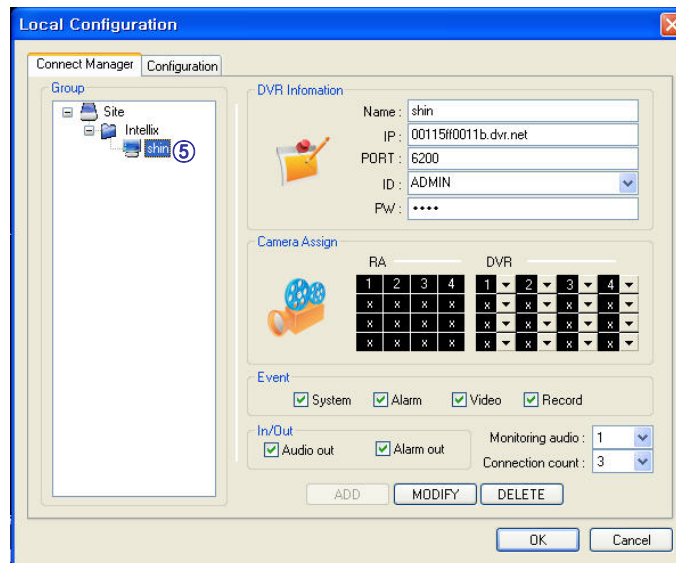
The 'Local Configuration' window is the same as in the previous step, but now the 'Camera Assign' section is highlighted with a circled '4'. The grid for assigning cameras to DVR channels is now populated with numbers 1 through 5 in the first two columns (RA) and the first two columns (DVR). The grid is as follows:

RA				DVR			
1	2	3	4	1	2	3	4
5	x	x	x	5	x	x	x
x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x

The rest of the window, including the 'DVR Information' fields, 'Event' checkboxes, 'In/Out' checkboxes, and the bottom buttons, remains the same as in the previous step.

④ Set camera position, check option and press 'ADD'

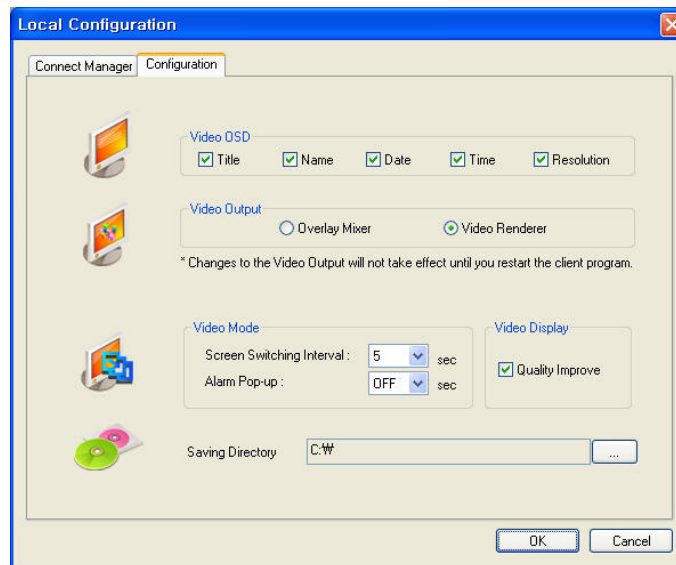
3. Local setup



⑤ New DVR list is shown on the left upper side.

3. Local setup

3. Configuration



- ① Video OSD : Select screen information. (title, name, date, time)
- ② Video output : Select video output method.
 - Overlay Mixer : Output without passing through CPU.
 - Video Renderer : Output through CPU.
- ③ Video mode
 - Screen switching interval : During the monitoring, select screen rotation interval time(2~300sec.)
 - Alarm pop-up : Pop-up time of alarm happened channel on (2~60sec.) /off.
- ④ Saving Directory : Designate remote PC backup image saving folder.

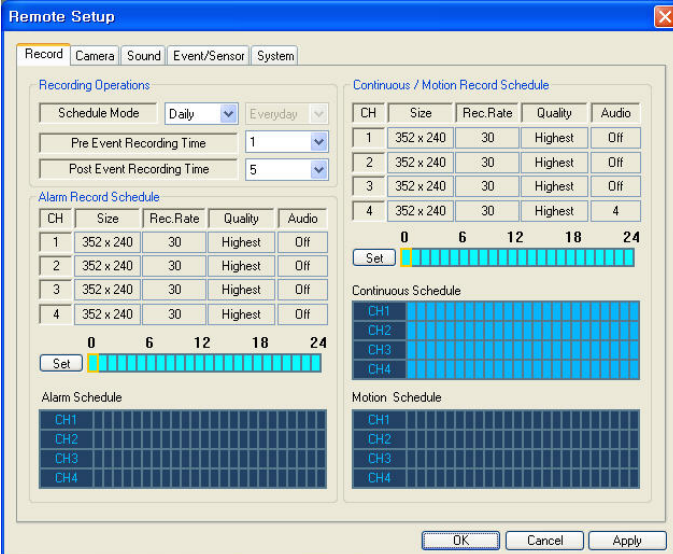
4. DVR setup

Press  button, select DVR name, and press Select.



A dialog box titled "Checking Authority" with a close button (X) in the top right corner. It contains three input fields: "DVR Name" with the text "manse", "User ID" with the text "ADMIN", and "Password" which is empty. Below the fields are two buttons: "OK" and "Cancel".

Password Input Window Open, then input password.



A complex dialog box titled "Remote Setup" with a close button (X) in the top right corner. It has several tabs: "Record", "Camera", "Sound", "Event/Sensor", and "System". The "Record" tab is selected. It contains sections for "Recording Operations", "Continuous / Motion Record Schedule", "Alarm Record Schedule", and "Alarm Schedule". The "Recording Operations" section has a "Schedule Mode" dropdown set to "Daily" and "Everyday" options, and "Pre Event Recording Time" and "Post Event Recording Time" dropdowns set to "1" and "5" respectively. The "Continuous / Motion Record Schedule" section has a table with 4 channels, each with a "Set" button and a time range from 0 to 24. The "Alarm Record Schedule" section has a similar table. The "Alarm Schedule" section has a table with 4 channels. At the bottom are "OK", "Cancel", and "Apply" buttons.

1. Record

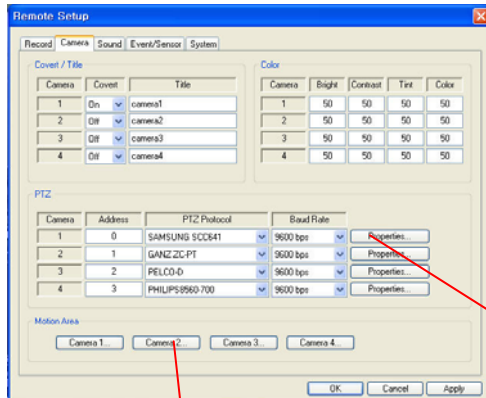


A dialog box titled "Record Properties" with a close button (X) in the top right corner. It contains a table with 4 columns: "Camera", "Size", "Rec.Rate", "Quality", and "Audio". The table has 4 rows, each representing a camera channel (01, 02, 03, 04). Below the table is a "3 Frames Available" indicator. At the bottom are "OK" and "Cancel" buttons.

- Record Operations
 - Schedule Mode: Weekly or Daily.
(When weekly mode, setup each day.)
 - Pre Event Recording Time: When event happen, record image including setting time before event happened.
(0 ~ 5 Second)
 - Post Event Recording Time: When event happen, record image including setting time after event happened.
(5 ~ 180Second)

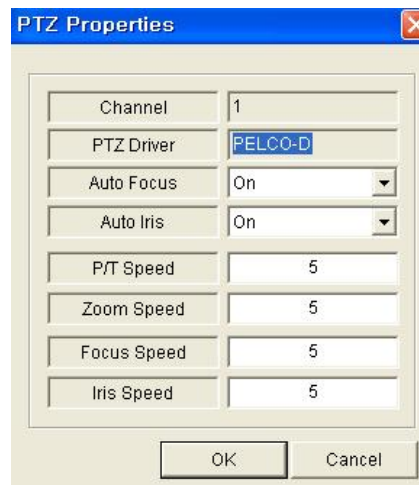
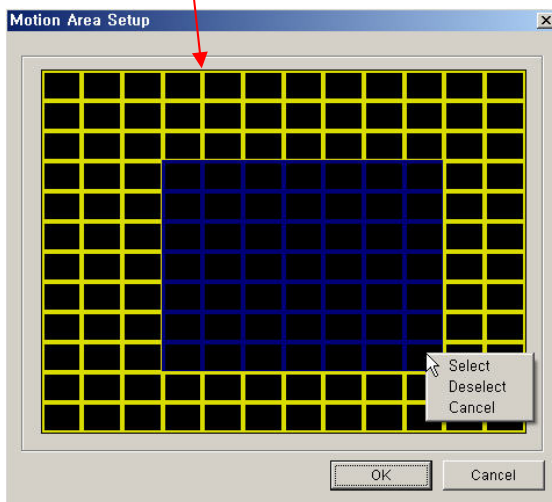
- Alarm Recording Schedule
 - Click the "Set" Button for Alarm Recording.
 - Setup size, rec. rate, quality, audio.
- Continuous/Motion record Schedule
 - Click the "Set" Button for Continuous/Motion record Schedule.
 - Setup size, rec. rate, quality, audio.

4. DVR setup



2. Camera

- Status/Title Setup
 - Setup for Each Camera (Covert function On/Off, Camera Name).
- Color Setup
 - Setup Color for Each Screen.
- Covert/PTZ Setup
 - Setup for Each Camera PTZ Protocol, Baud rate.



- Motion Area
 - Click the “Camera” Button.
 - Select area by mouse drag, and Choose menu (Select/Deselect/Cancel).

- Click the “Properties” button.
- Setup about PTZ camera.



3. Sound

- Live Audio Setup
 - Live Audio : On/Off.
 - Audio monitoring channel : Select channel.
 - Network Audio TX : Choose the Audio transmission.
 - Network Audio RX : Choose the Audio receive.

4. DVR setup

4. Event/sensor

The screenshot shows the 'Remote Setup' dialog box with the 'Event/Sensor' tab selected. The dialog is divided into several sections: 'Alarm Input', 'HDD Event', 'Alarm Out', 'Buzzer Out', and 'E-mail Notification'. Each section contains various settings for channels 1 through 4.

Alarm Input		
Alarm	Operation	Type
1	Enabled	N/Open
2	Enabled	N/Close
3	Disabled	N/Open
4	Disabled	N/Open

HDD Event	
Smart Alarm	Off
Temperature	90
Polling Time	24

Alarm Out	
Alarm	1 2 3 4
V-Loss	1 2 3 4
Motion	1 2 3 4
Disk Event	Off
Operation	Off
Mode	Latched
Type	Low
Duration	5 sec

Buzzer Out	
Alarm	1 2 3 4
V-Loss	1 2 3 4
Motion	1 2 3 4
Buzzer	Off
Duration	5 sec
Disk Event	Off
Key Pad	On
Remote Ctrl	On

E-mail Notification	
Alarm	1 2 3 4
V-Loss	1 2 3 4
Motion	1 2 3 4
Disk Event	Off
Notification	Off

Buttons: OK, Cancel, Apply

- Alarm Input

- Setup for Each Channel Alarm Connection & Type.

- Alarm Out

- Setup each channel when alarm, videoloss, motion are happened.
- Disk Event: Alarm On/Off when HDD has the problem.
- Operation: Setup Relay Connect with Alarm Sensor.
- Mode: Setup Reacted Relay as Latched/Transparent Mode.
- Type: Setup Relay Type N/Open or N/Close.
- Duration: Setup Reacted Relay Time. (5sec~5min or Until key-in)

- Buzzer out

- Setup each channel when alarm, videoloss, motion are happened.
- Buzzer: On/Off
- Duration: Buzzer time(5sec~5min or Until key-in).
- Disk Event: Buzzer On/Off when HDD event happen.
- Keypad : Setup Key Input Sound.
- Remocon: Setup remocon Input Sound.

- HDD Event

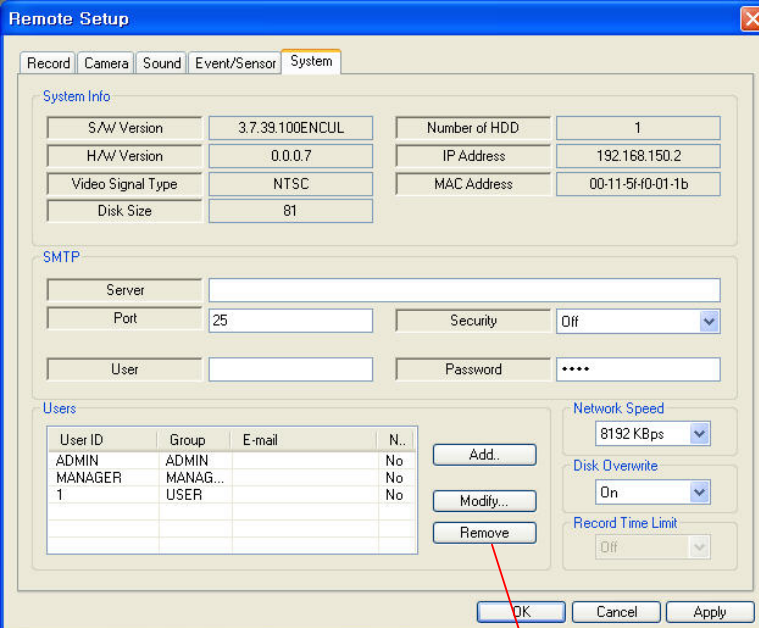
- Smart Alarm: On/Off.
- Temperature: HDD Temperature.
- Polling Time: HDD Checking Time.

- E-mail Notification

- If happen the alarm, videoloss, motion and HDD event, setup the notification at the E-mail.
- Disk Event: E-mail notification On/Off when HDD event is happened.
- Notification: On/Off.

4. DVR setup

5. System



The 'Remote Setup' window has the 'System' tab selected. It contains three sections: 'System Info', 'SMTP', and 'Users'. The 'System Info' section has fields for S/W Version (3.7.39.100ENCUL), H/W Version (0.0.0.7), Video Signal Type (NTSC), Disk Size (81), Number of HDD (1), IP Address (192.168.150.2), and MAC Address (00-11-5F-00-01-1b). The 'SMTP' section has fields for Server, Port (25), Security (Off), User, and Password (masked). The 'Users' section has a table with columns User ID, Group, E-mail, and N.., and buttons for Add, Modify, and Remove. The 'Network Speed' is set to 8192 KBps, 'Disk Overwrite' is On, and 'Record Time Limit' is Off. A red arrow points from the 'Remove' button to the 'Add / Modify User ID' dialog.

User ID	Group	E-mail	N..
ADMIN	ADMIN		No
MANAGER	MANAG...		No
1	USER		No

- System Info
 - Possible to Watch DVR System Status.
- SMTP
 - Setup the mail server and user's E-mail.
- Users
 - Setup the Users.
 - Click the "Add" or "Modify" button.
- Disk Overwrite
 - Setup DVR HDD Overwrite On/Off.
- Network Speed



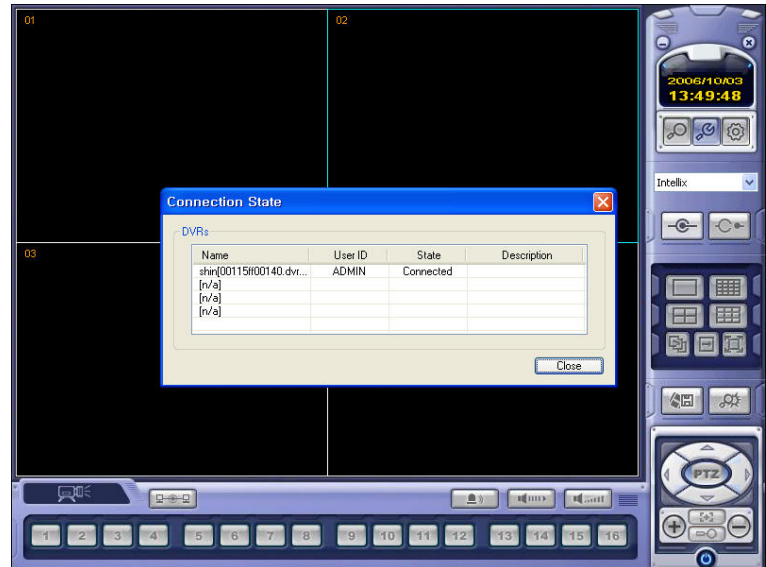
The 'Add / Modify User ID' dialog has fields for User ID, Group (set to USER), E-mail, Notification (set to No), Password, and Confirm Password. It has OK and Cancel buttons.

5. Monitoring

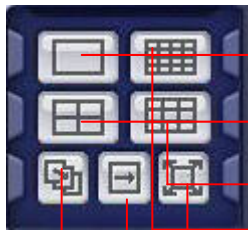
1. Selection Network I/D



- Select I/D to Connect Server.
- I/D can be Add, Change, and Delete at Setup.



2. Screen Division Selection



- 1*1 View : Showing One (1) Video which User Selected.
(Selection Video by Camera Selection Button)
- 4*4 View : 4 Screen Division Mode.
- 9*9 View : 9 Screen Division Mode.
- 16*16 View : 16 Screen Division Mode.(Only in 16ch product)
- Auto switch : Screen Mode Showing One by One (Same at division mode)
- Manual switch : Screen Mode Showing One by One by click manually.
- Full Screen View : Present Video Move to Full Screen Mode.
Mouse Double Click when Return Previous.

*Mouse Double Click Make the Same Function as Full Screen.

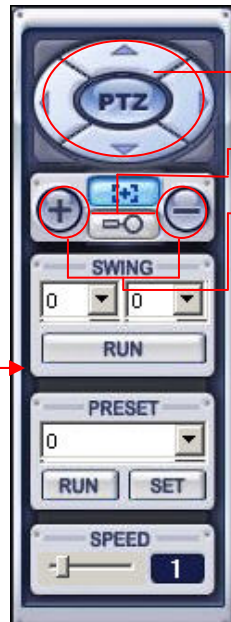
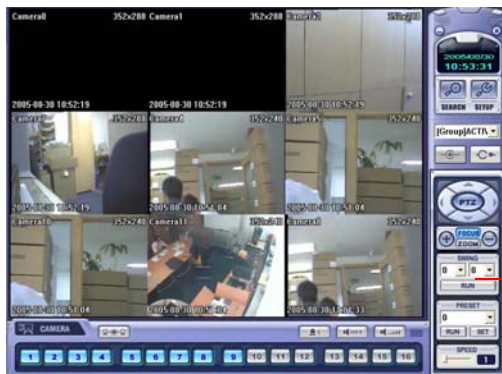
Tip

- ※ Multi DVR Client
- 4EA DVRs can be control the live view, search the data, backup data and setup about each channel at the same time.

5. Monitoring

3. P/T/Z Control

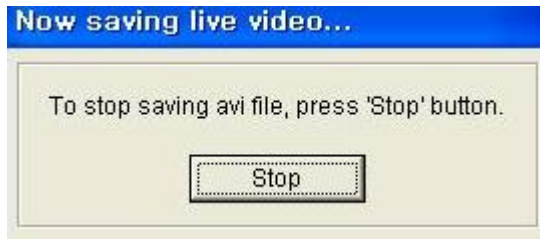
- Press the PTZ Button.



- P/T/Z Controller : Camera P/T/Z Control by Direction Keys
- FOCUS/ZOOM Select Button : Focus or Zoom Control by +,- Button
- +,- Control Button : Focus or Zoom Control

5. Monitoring

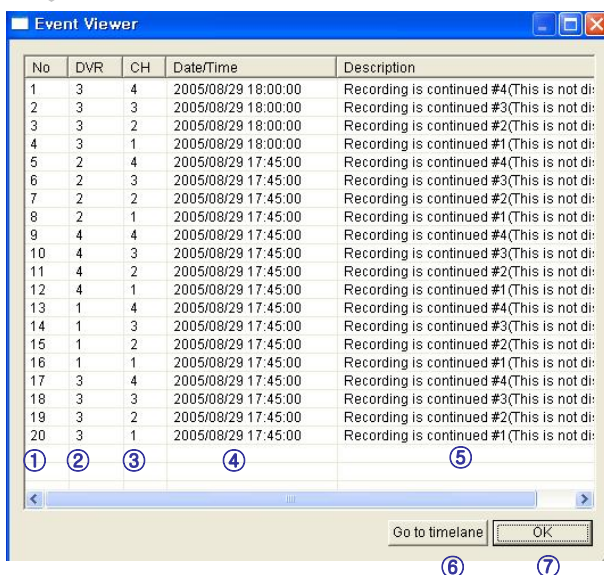
4. AVI File Conversion



- Click AVI Conversion Button to Start AVI File Conversion.
- During AVI Conversion Showing a Message and before Click 'Stop' Save AVI File continuously .

- 'Press 'Stop' to Open Designate File Name & Saving Location, and Save AVI File.
- Saved AVI File can Open Ordinary Moving Picture Player or Backup Player.
- Moving Picture Player Codec Version Need Higher than Divx 5.1 & IMM4 Codec.

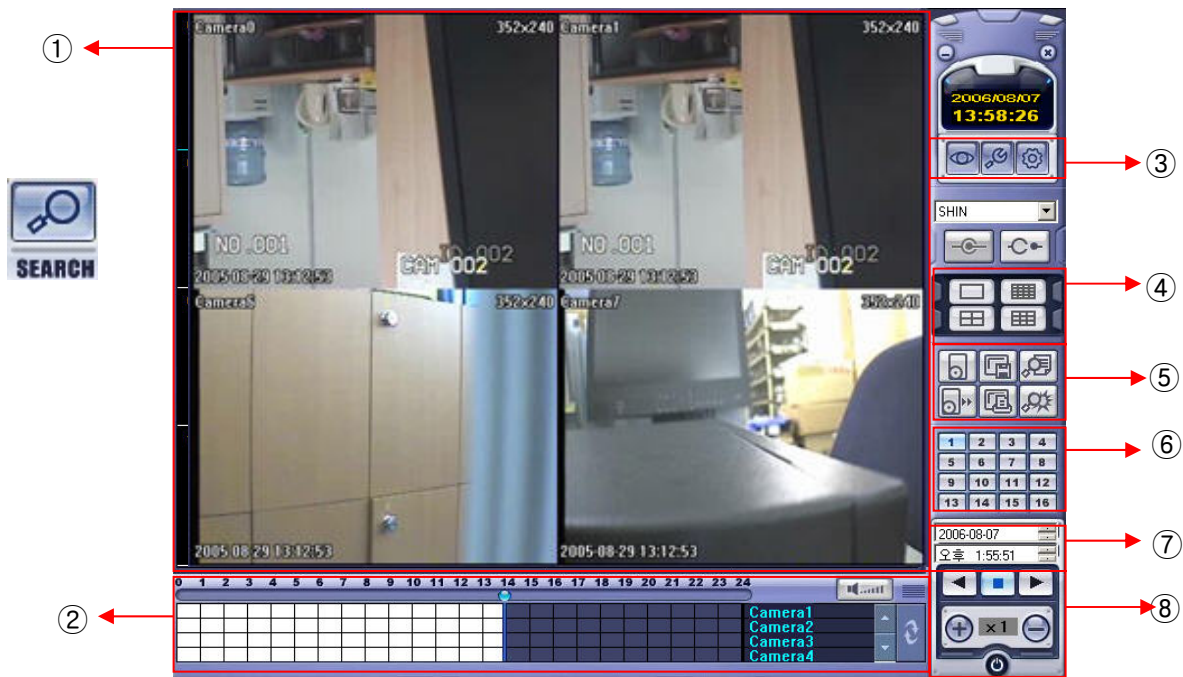
5. Event Viewer



- ① Indicate Event Occurred Order No.
- ② Indicate Event Occurred DVR No.
- ③ Indicate Event Occurred Camera No.
- ④ Indicate Event Occurred Time & Date
- ⑤ Indicate Event Detail Description
- ⑥ After Select Event, Move Search Bar in Search Mode
- ⑦ Return to Search Main to Play Selected Event Image

6. Search

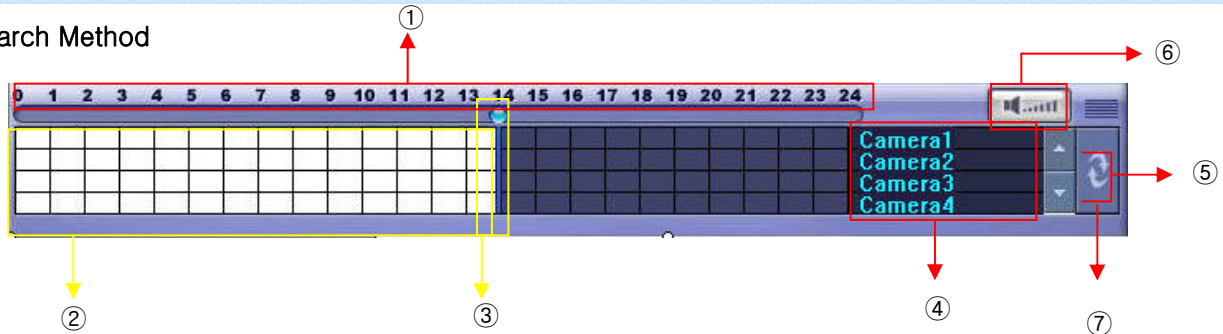
1. Function Introduction



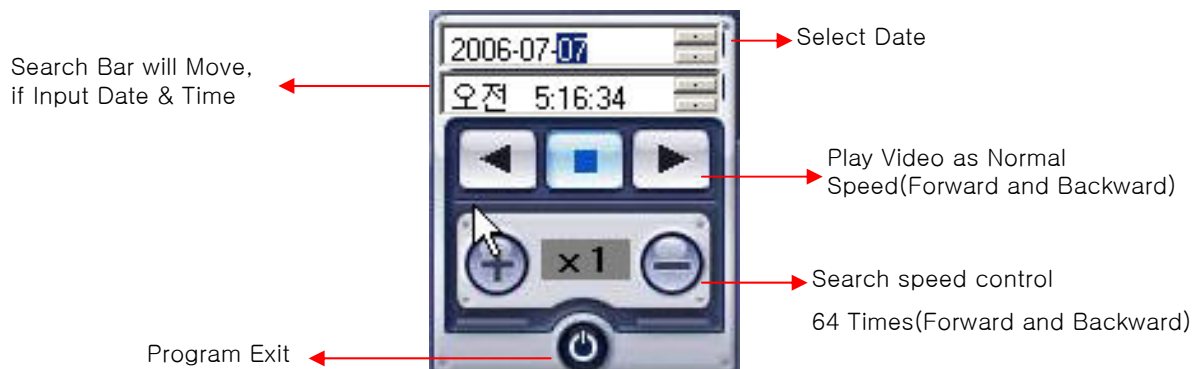
- ① Search Screen : Playing Selected Video.
- ② Search Bar : Search & Indicate Camera Recording Situation by Time Bar .
- ③ LIVE : Return to Watch Mode.
SETUP : Open Setup to Change Network Setup or Option.
- ④ Screen Division Selection : Change Playing Screen Division Mode .
- ⑤ SEARCH Option : Backup Video or Search Event.
- ⑥ Camera Selection Button : Select Camera at the 1*1 View .
- ⑦ Quick Search : Find Image to Designate Date & Time.
- ⑧ Search Controller : Control Playing Video.

6. Search

2. Search Method

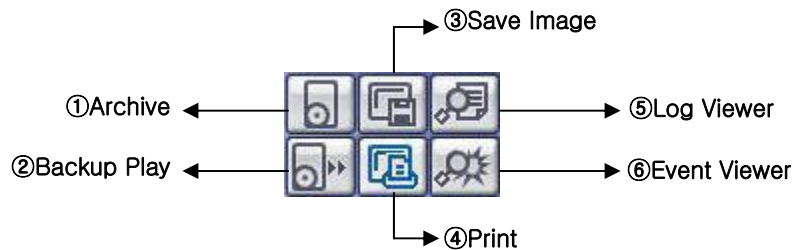


- ① Indicate 0~24 Hour.
- ② Indicate Recording Situation (Grey : No Record, White : Recorded Image at the Time).
- ③ Search Bar : Select Video to Drag Mouse Search Controller in Recorded Area.
- ④ Indicate Camera Channel to Confirm Camera Recording Situation.
- ⑤ If Connected Channel is 5 or More, Another Channel will be Scroll.
- ⑥ Volume : Setup volume.
- ⑦ Refreshment Recording Information Situation Window by Camera Channel.



6. Search

3. Search option



① **Archive** – Backup Image from Server to Remote PC.

The 'Archiving' dialog box has a blue title bar with a close button. It contains two sections: 'Time Range' and 'Channel'. The 'Time Range' section has 'Start Time' and 'End Time' fields, each with a date dropdown (set to 2006-10-03) and a time spinner (set to 14:07). The 'Channel' section has a grid of checkboxes for Ch-1 through Ch-16, an 'Include Audio' checkbox, and 'Select All' and 'Deselect All' buttons. At the bottom are 'OK' and 'Cancel' buttons.

- Time Range

This is a close-up of the 'Time Range' section of the 'Archiving' dialog box. It shows 'Start Time' and 'End Time' fields. The date dropdowns are set to 2006-10-03. The time spinners are set to 14:08.

Designate Backup Image Data Length to Input Start Time & End Time.

- Channel : Check Camera Channel for Backup.
- Include Audio : Check Audio Including when Backup.
- Select All
Deselect All

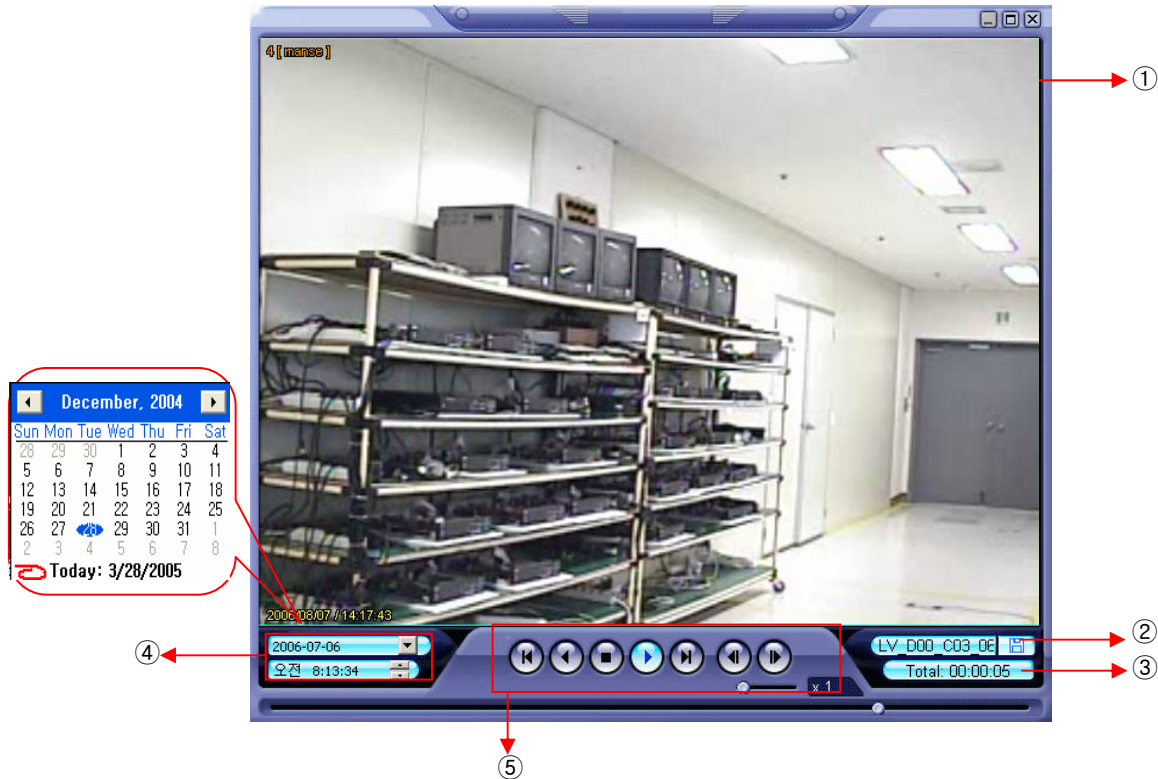
- Press OK to Open Backup Status & Start Backup.

The 'Archiving Status' dialog box has a blue title bar with a close button. It features a progress bar and a text area showing the status: 'Archiving(1/4) is progressing...'. Below the text area, it shows 'From : DVR(1) Channel 1 2006/10/03 13:13:00 - 2006/10/03 14:13:00' and 'To: C:\WNB_D01_C01_0610031313_0610031413_(GMT+00.00)'. There are up and down arrow buttons next to the text area and a 'Cancel' button at the bottom right.

- When Finish Backup, Back Status Window Disappear & Backup Data Save at Hard Disk Root Folder in Remote PC.

6. Search

② Backup Play (DVR Player) – Transfer to DVR Player



① Showing Image (Possible to Only 1*1View Mode).

② Backup File Open to Play First Video.

Ex. : ch02_04131730_04131735.rec (Backup File for # 2 ch. Apr.13, 17H30M ~17H35M)

③ Indicate total playing time.

Total: 00:02:00

④ Indicate Present Time & Date and Possible to Search Time & Date.

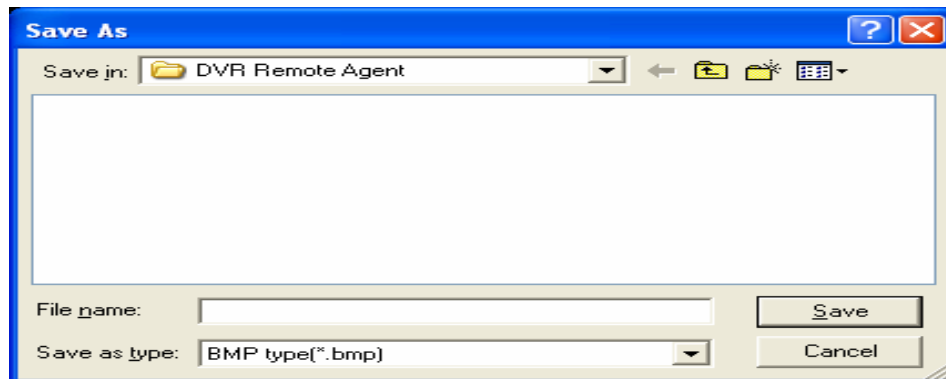
⑤ Search Controller, the Same Way of Previous Search.

Tip

- Backup Play Setup in Search Mode is the Same as DVR Player, so it can be Run Independently without Running Remote Program.
- Backup Player & Ordinary Moving Picture Player Possible to Playback, Real Time AVI Backup File can Display as the Same Format.

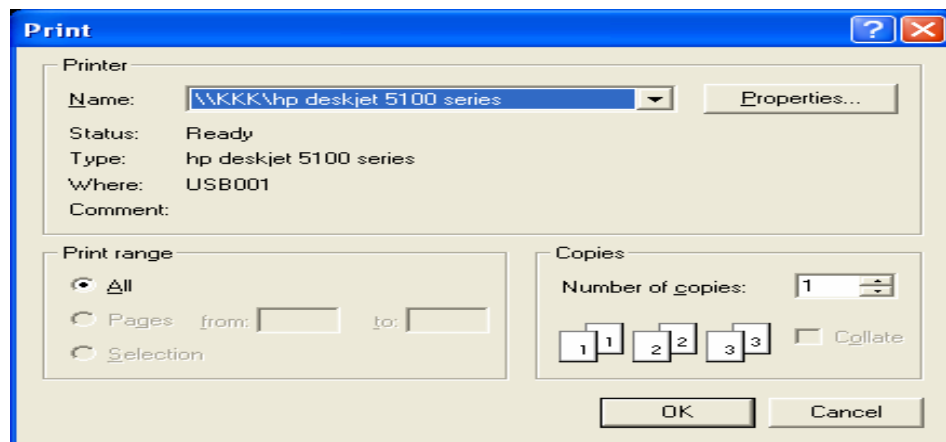
6. Search

③ **Save Image** – Capture Image & Saving Image at Hard Disk or Removable Disk.



- Click 'Save Image' Icon During Playing Video.
- Designate File name, File Type (JPG,BMP), and Location and Press Saving.
- Conversion and Saving Image from Remote Viewer.

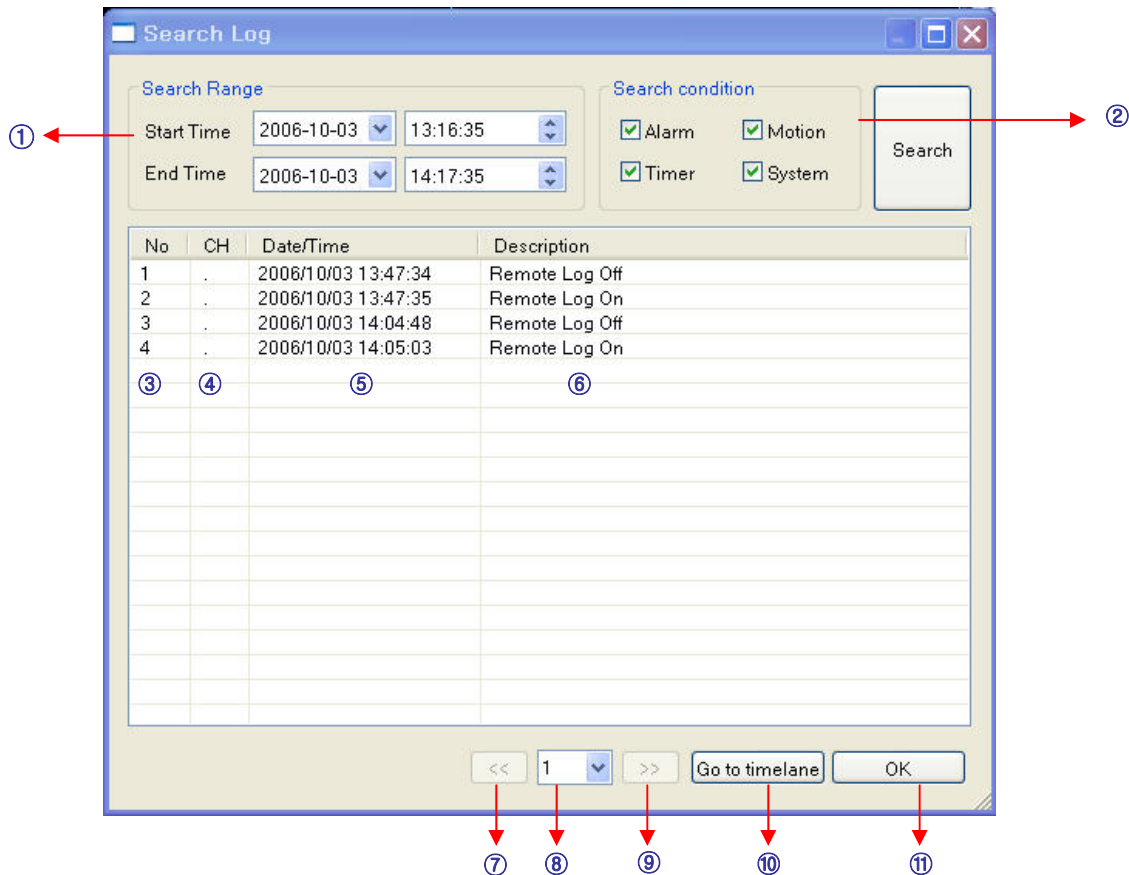
④ **Print** – Present Image Capture and Print Out Image.



- During Play Video, Click 'Print Image' .
- After Selecting Printer, Start Image Printing.
- Print Out Remote Viewer Image.

6. Search

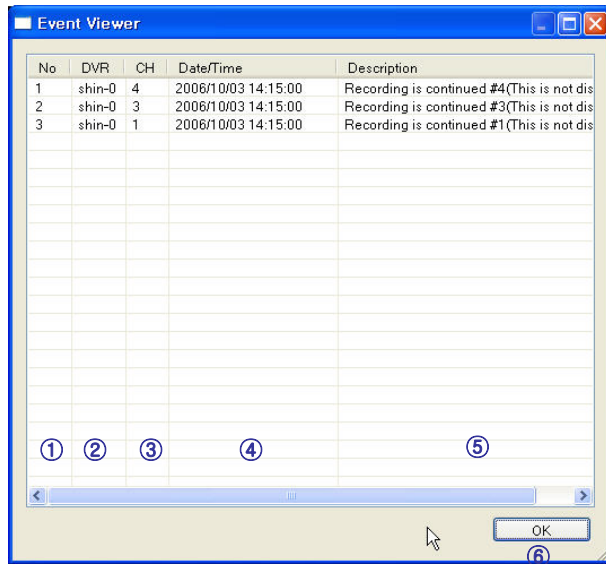
⑤ Log Viewer – Find Video Centering around Event Log at DVR.



- ① Input Start Time and End Time at the Selected Date to Search Event.
When Press Search Button, Event Output at the Below Window.
- ② Choose the conditions for searching the log.
- ③ Indicate Event Log Order No. (Max Event Log No. of 1 Page is 100)
- ④ Indicate Event Occurred channel.
- ⑤ Indicate Event Occurred Time & Date.
- ⑥ Indicate Event Detail Description.
- ⑦ Move to Previous Page.
- ⑧ Move to User Select Page.
- ⑨ Move to Next Page.
- ⑩ After Select Event, Move Search Bar in Search Mode.
- ⑪ Return to Search Main to Play Event Image.

6. Search

⑥ Event Viewer– Showing Present Event in Server & Find Image

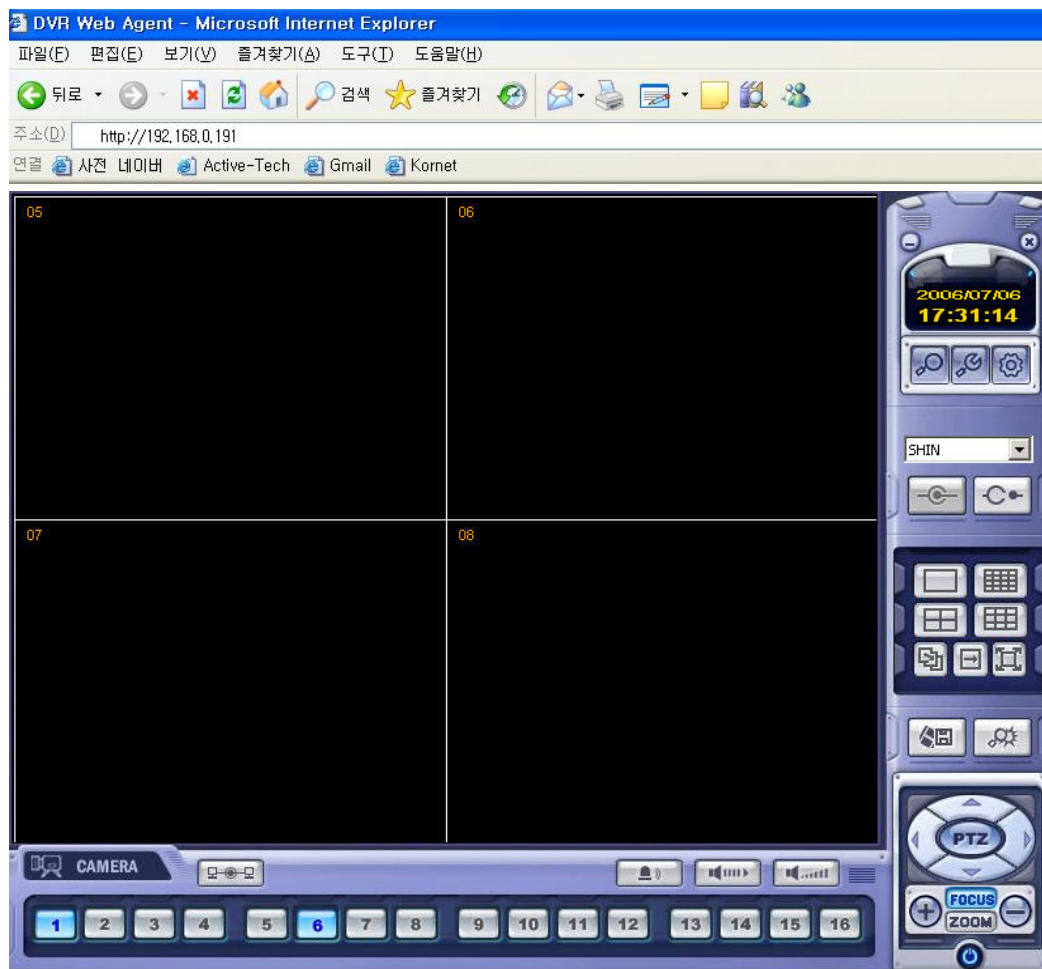


- ① Indicate Event Occurred Order No.
- ② Indicate Event Occurred DVR No.
- ③ Indicate Event Occurred Camera No.
- ④ Indicate Event Occurred Time & Date
- ⑤ Indicate Event Detail Description
- ⑥ Return to Search Main to Play Selected Event Image .

7. Web client

- WEB Client Connection

- ① Input IP Address or URL for DVR Server at the Internet Explorer Address Input Place.
- ② When Appear Active-X install Message, Please Click Confirm or Continue.



- ③ Showing Web Client Window at Internet Explorer.
- ④ All function is same with RemoteAgent.

7. Web client

