

USER'S MANUAL SM4 / SM8 / SM16



REMOTE AGENT
Revision Date : 2008.10.02.

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1. INSTALLATION

- **System Requirement**

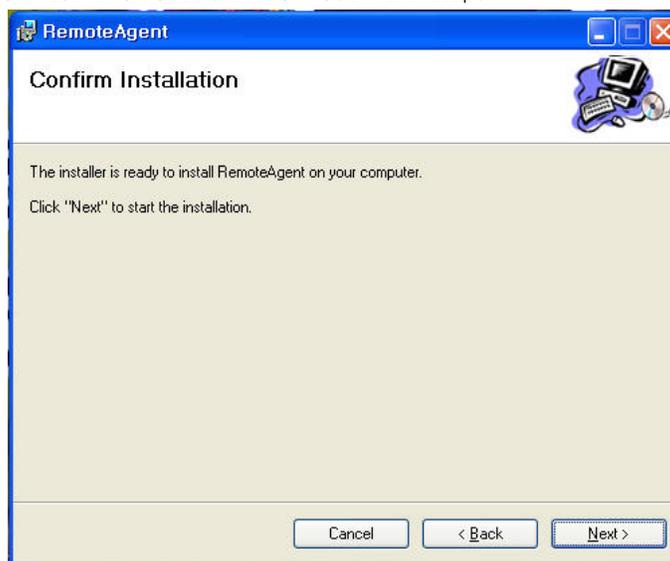
- ① Main Board (CPU): Pentium-500(Minimum), Pentium 4 recommend
- ② OS: Higher than Windows 2000,DirectX 7.0A
- ③ Memory (RAM): More than 128 M
- ④ VGA: Graphic card that support the DIRECT-X
 - *IMM4 Codec (When Playback Backup File)

- **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.

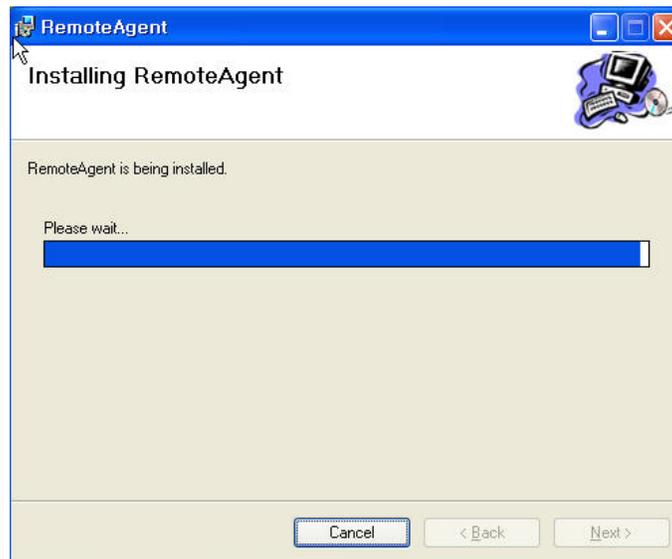


- ② Close All Running Software and Press Next to Move Next Step.

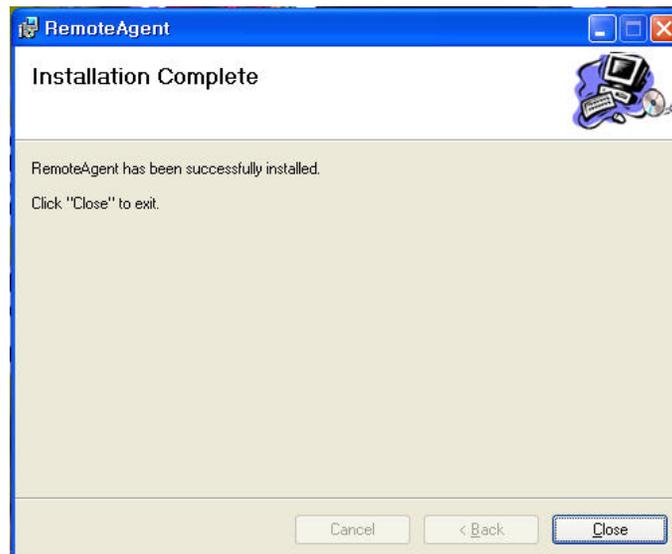


1. INSTALLATION

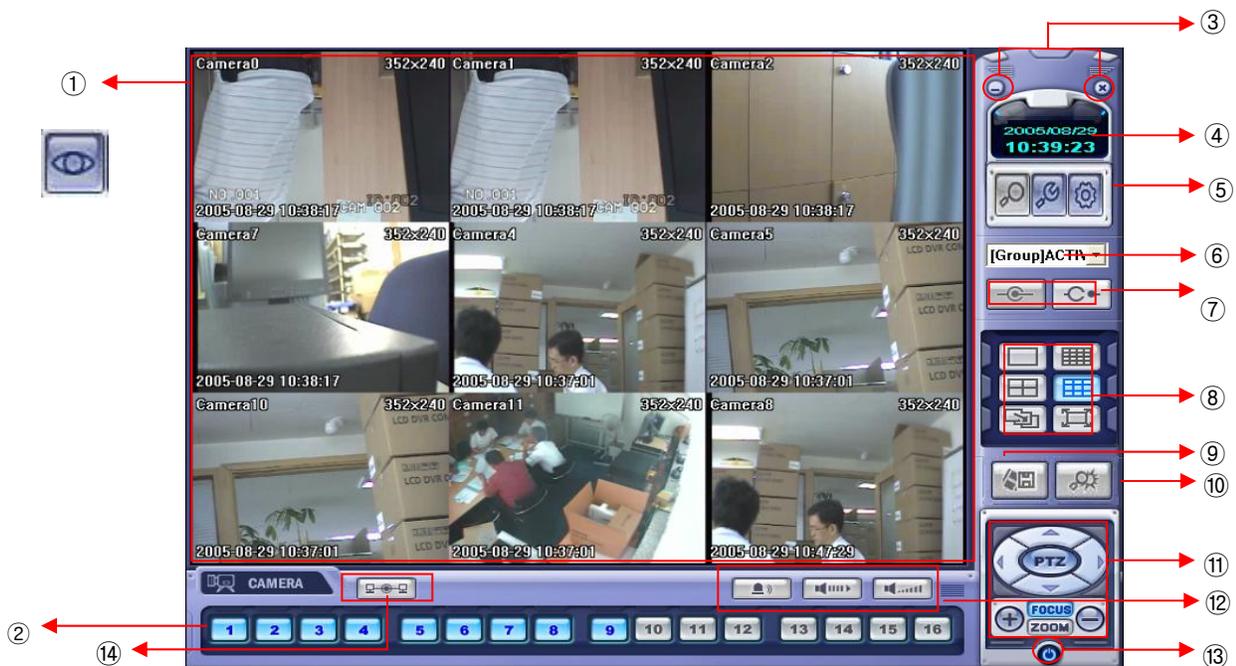
③ Showing Progress of Copy of Files.



④ Finish DvrRemoteAgent Program Installation.



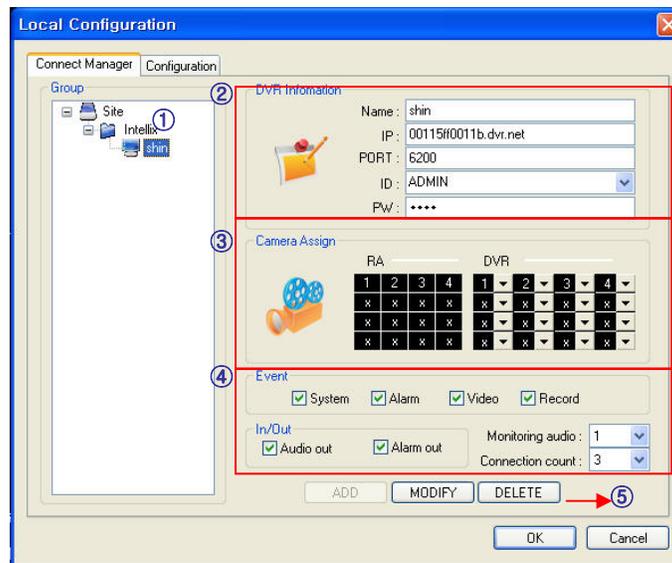
2. Function introduction



- 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

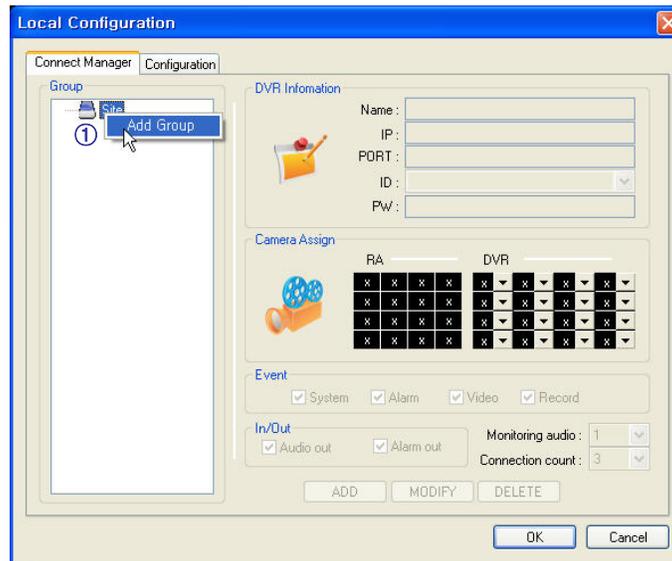
1. Connect Manager



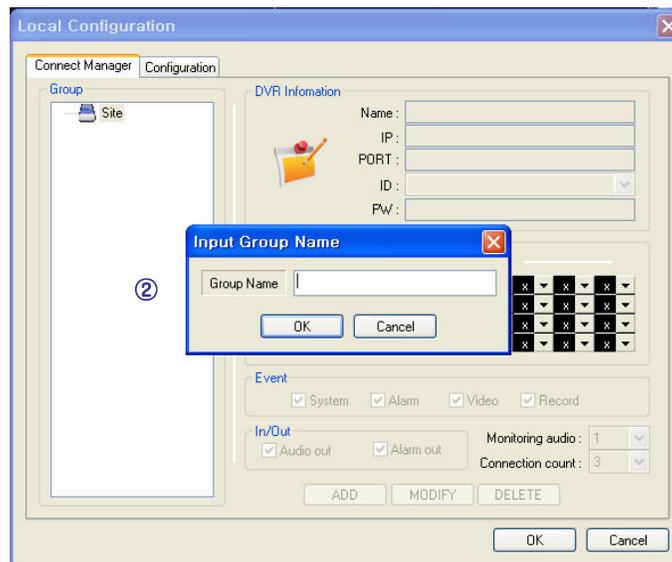
- ① Group & DVR list.
- ② DVR Information.
- ③ Camera Assign : Setup camera.
- ④ Option Check.(Event-system, alarm, video, record & In/Out)
- ⑤ Add, modify, delete group.

3. Local setup

2. Add Group

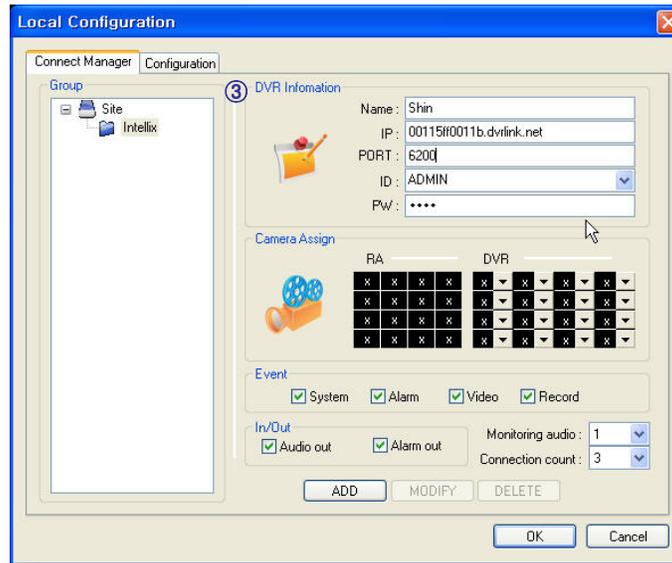


① At 'site' of left upper side, right click the "Add Group".

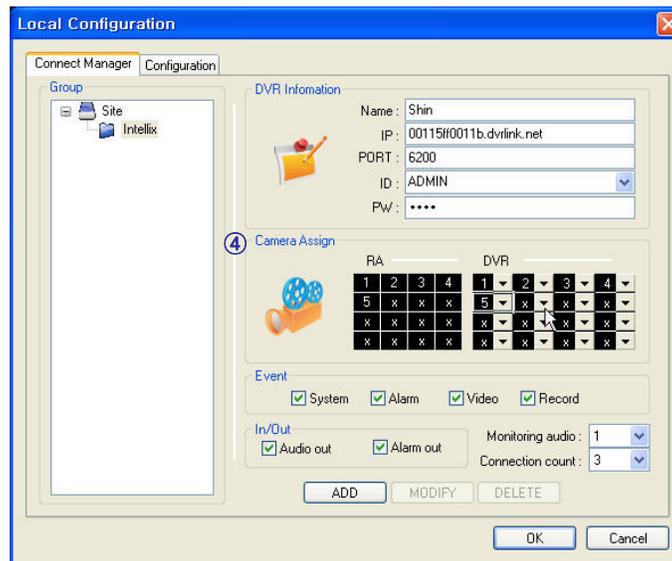


② Input the Group name.

3. Local setup

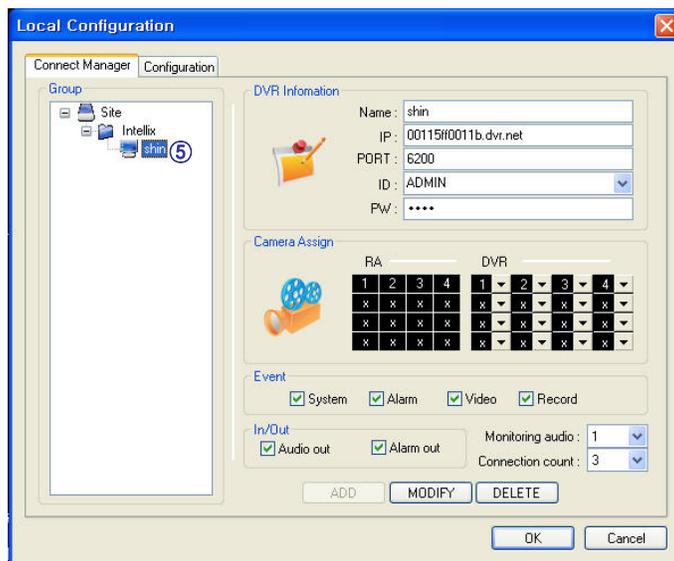


③ Input DVR information.(name, IP, port, ID, PW)



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

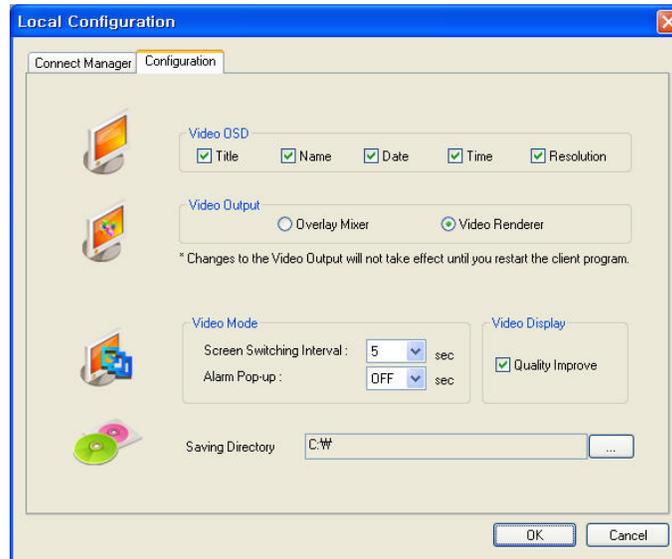
3. Local setup



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.

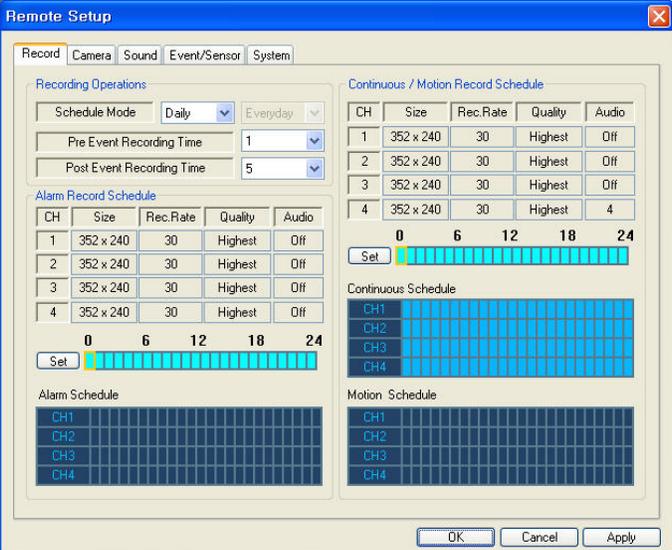
4. DVR setup

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 value "manse", "User ID" with the value "ADMIN", and "Password" which is empty. Below the fields are two buttons: "OK" and "Cancel".

Password Input Window Open, then input password.



The "Remote Setup" dialog box has several tabs: "Record", "Camera", "Sound", "Event/Sensor", and "System". The "Record" tab is active. It is divided into "Recording Operations" and "Continuous / Motion Record Schedule".

Recording Operations:

- Schedule Mode: Daily (dropdown), Everyday (dropdown)
- Pre Event Recording Time: 1 (dropdown)
- Post Event Recording Time: 5 (dropdown)

Alarm Record Schedule:

CH	Size	Rec.Rate	Quality	Audio
1	352 x 240	30	Highest	Off
2	352 x 240	30	Highest	Off
3	352 x 240	30	Highest	Off
4	352 x 240	30	Highest	Off

Time axis: 0, 6, 12, 18, 24. A "Set" button is below the axis.

Continuous Schedule:

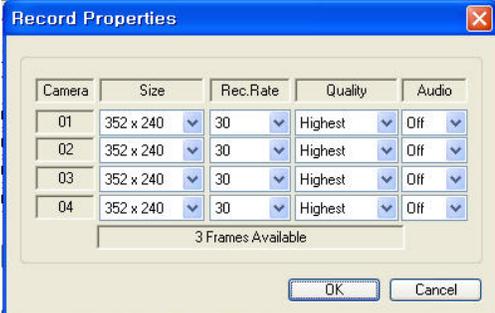
CH1, CH2, CH3, CH4 (each with a blue bar indicating recording time)

Motion Schedule:

CH1, CH2, CH3, CH4 (each with a blue bar indicating recording time)

Buttons: OK, Cancel, Apply

1. Record



The "Record Properties" dialog box has a close button (X) in the top right corner. It contains a table with columns: Camera, Size, Rec.Rate, Quality, and Audio.

Camera	Size	Rec.Rate	Quality	Audio
01	352 x 240	30	Highest	Off
02	352 x 240	30	Highest	Off
03	352 x 240	30	Highest	Off
04	352 x 240	30	Highest	Off

3 Frames Available

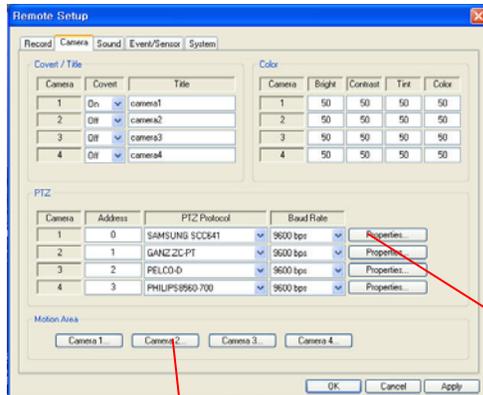
Buttons: OK, Cancel

- 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)

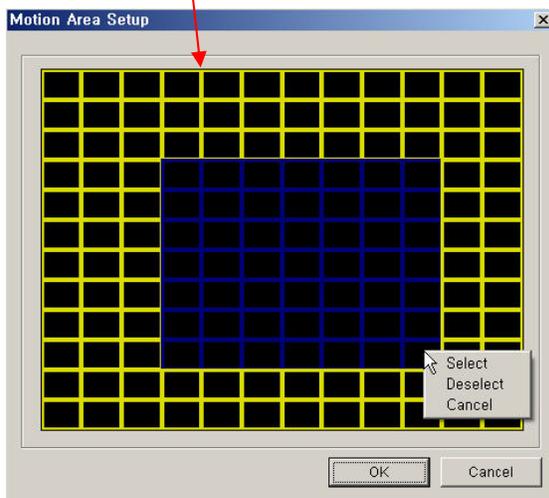
- Alarm Recording Schedule
 - Click the "Set" Button for Alarm Recording.
 - Setup size, rec. rate, quality, audio.
- Continuous/Motion record Schedule
 - Click the "Set" Button for Continuous/Motion record Schedule.
 - Setup size, rec. rate, quality, audio.

4. DVR setup

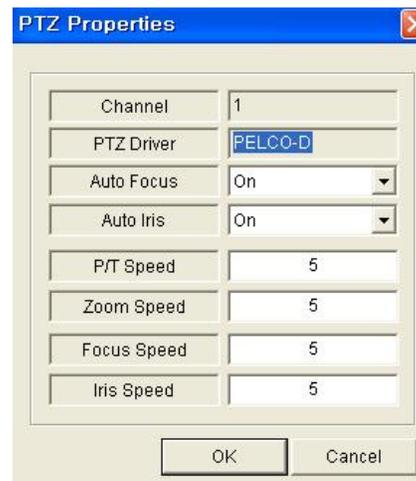


2. Camera

- 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.

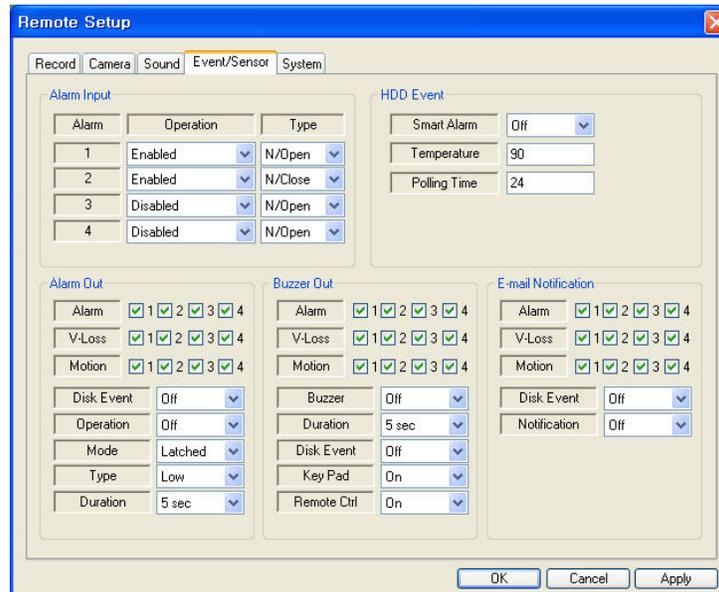


3. Sound

- 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



- 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

Remote Setup

Record Camera Sound Event/Sensor System

System Info

SW Version	3.7.39.100ENCUL	Number of HDD	1
H/W Version	0.0.0.7	IP Address	192.168.150.2
Video Signal Type	NTSC	MAC Address	00-11-5f-01-1b
Disk Size	81		

SMTP

Server: _____

Port: 25 Security: Off

User: _____ Password: ****

Users

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

Add... Modify... Remove

Network Speed: 8192 KBps

Disk Overwrite: On

Record Time Limit: Off

OK Cancel Apply

- 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

Add / Modify User ID

User ID: _____

Group: USER

E-mail: _____

Notification: No

Password: _____

Confirm Password: _____

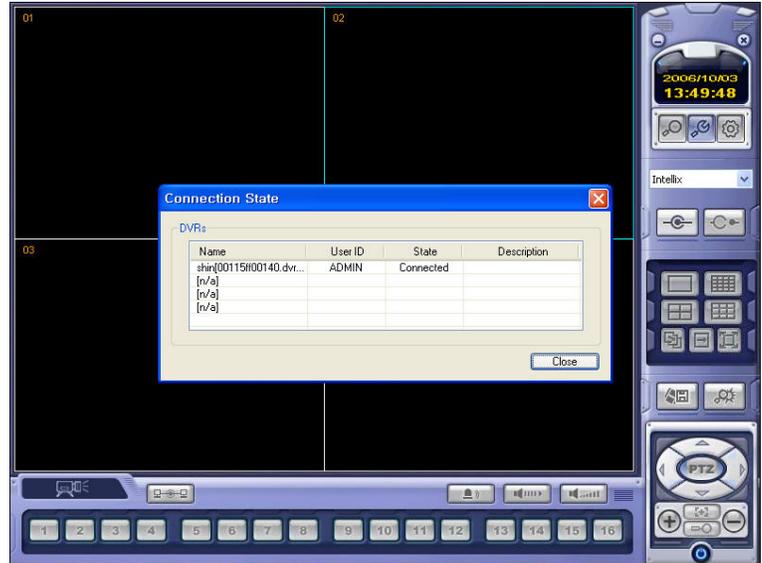
OK Cancel

5. Monitoring

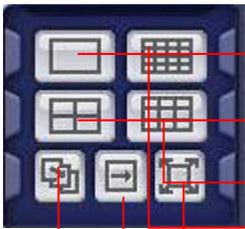
1. Selection Network I/D



- 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.

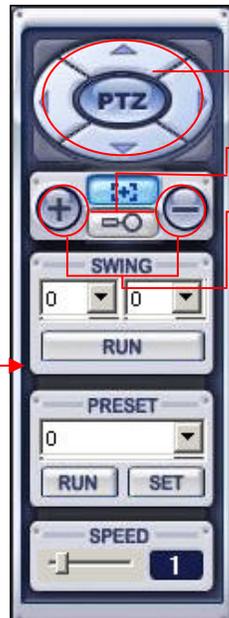
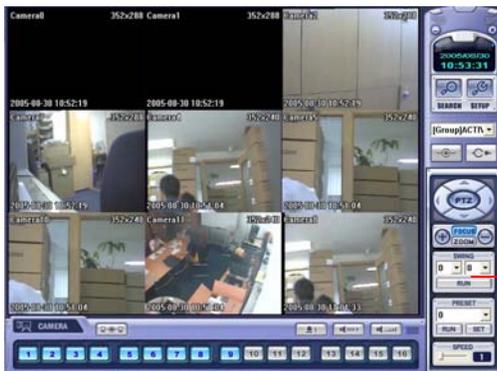
Tip

- ※ 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.



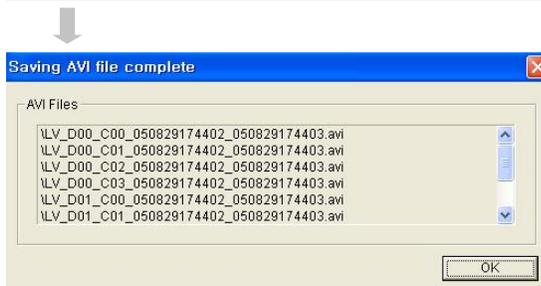
- P/T/Z Controller : Camera P/T/Z Control by Direction Keys
- FOCUS/ZOOM Select Button : Focus or Zoom Control by +,- Button
- +,- Control Button : Focus or Zoom Control

5. Monitoring

4. AVI File Conversion

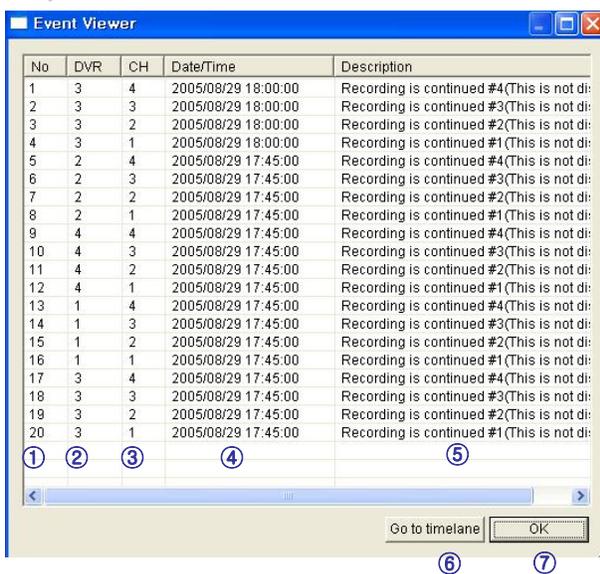


- Click AVI Conversion Button to Start AVI File Conversion.
- During AVI Conversion Showing a Message and before Click 'Stop' Save AVI File continuously .



- '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.

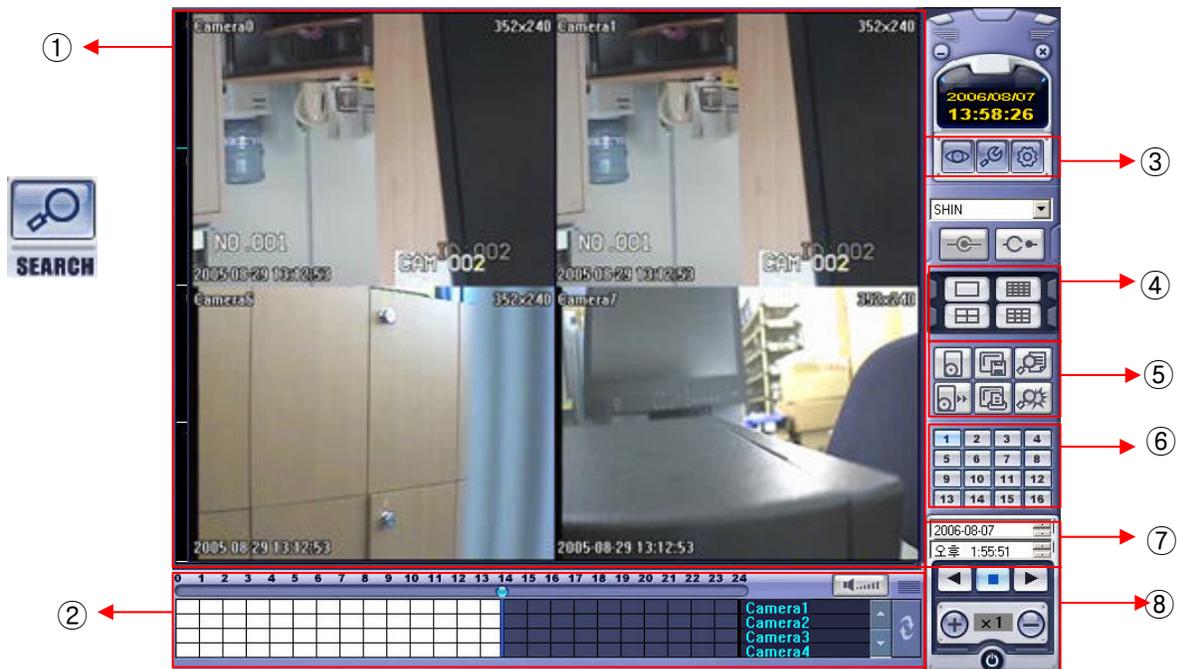
5. Event Viewer



- 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

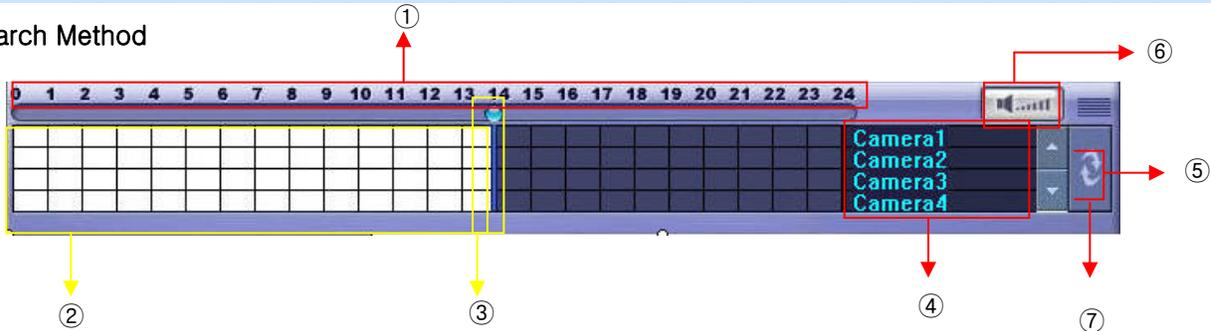
1. Function Introduction



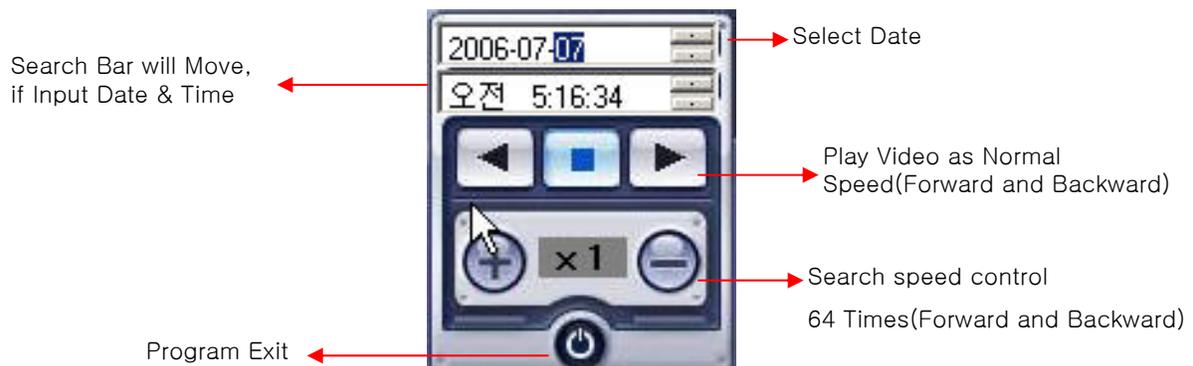
- ① Search Screen : Playing Selected Video.
- ② Search Bar : Search & Indicate Camera Recording Situation by Time Bar .
- ③ LIVE : Return to Watch Mode.
SETUP : Open Setup to Change Network Setup or Option.
- ④ Screen Division Selection : Change Playing Screen Division Mode .
- ⑤ SEARCH Option : Backup 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

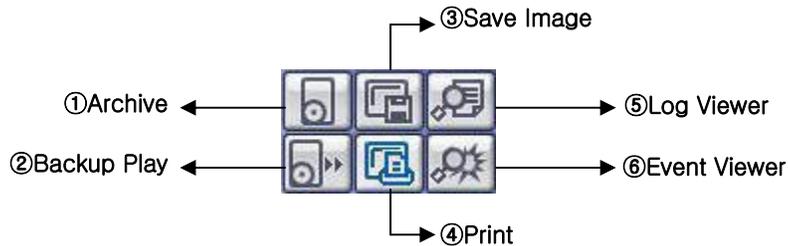


- ① Indicate 0~24 Hour.
- ② Indicate Recording Situation (Grey : No Record, White : Recorded Image at the Time).
- ③ Search Bar : Select Video to Drag Mouse Search Controller in Recorded Area.
- ④ Indicate Camera Channel to Confirm Camera Recording Situation.
- ⑤ If Connected Channel is 5 or More, Another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

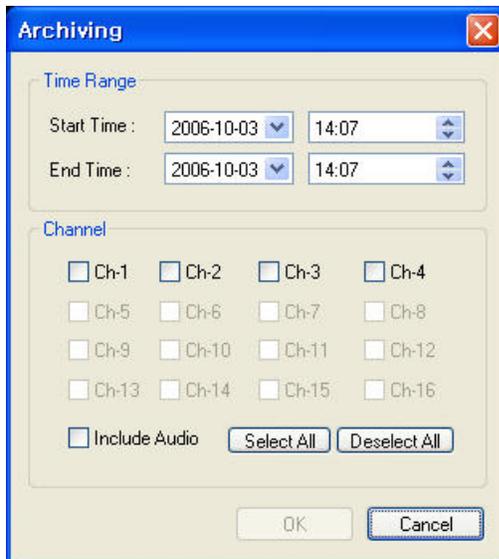


6. Search

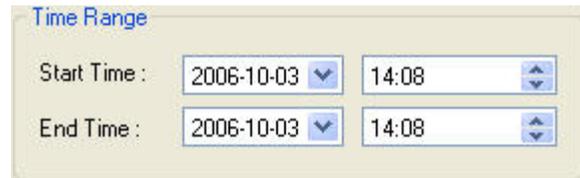
3. Search option



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



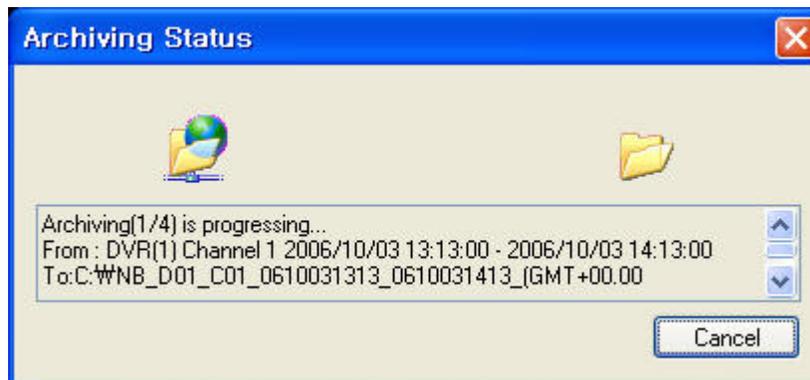
• Time Range



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

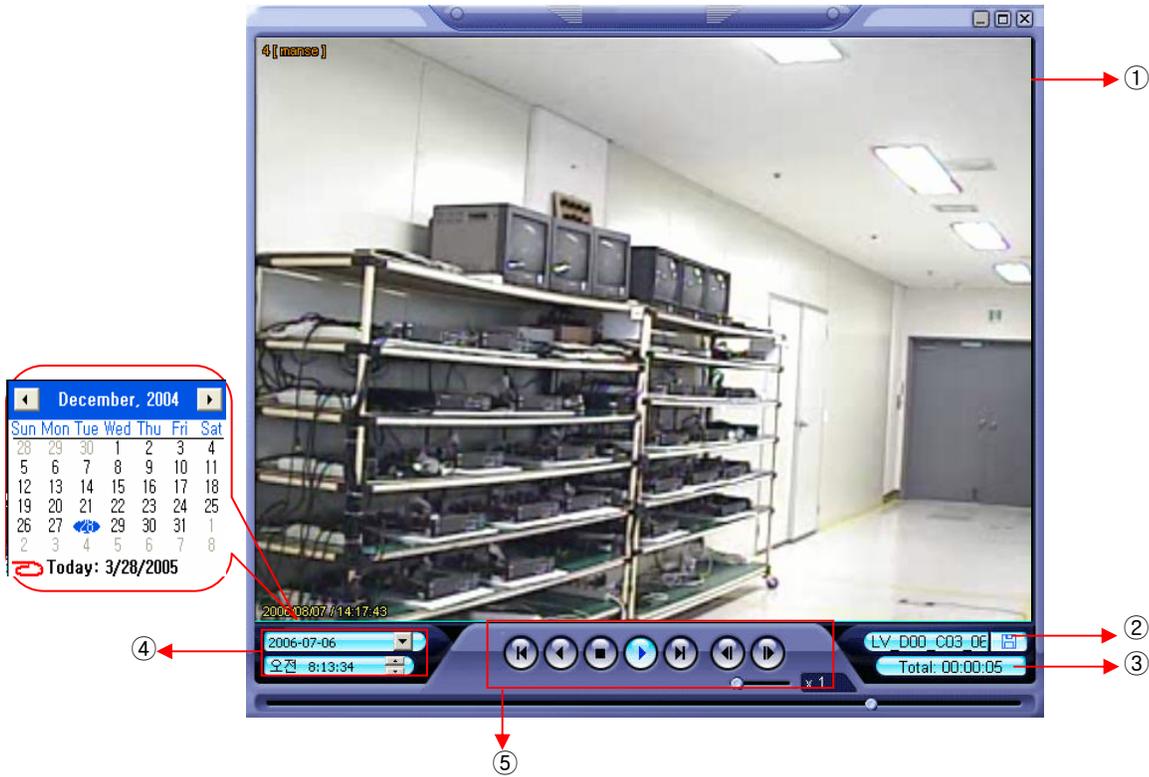
• Press OK to Open Backup Status & Start Backup.



• 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.

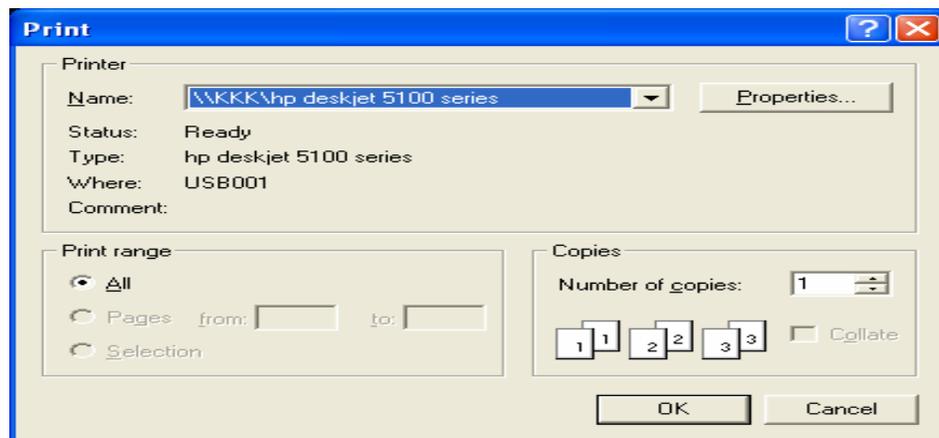
6. Search

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.

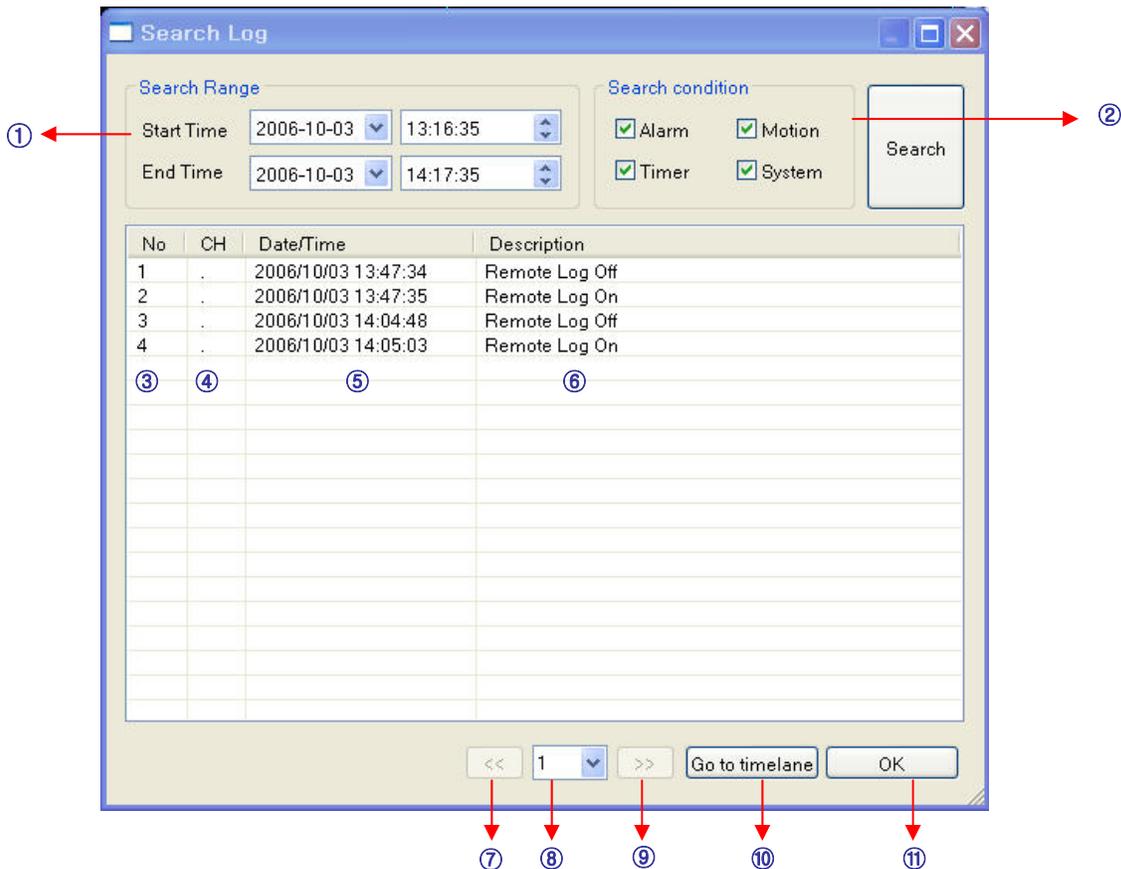
④ **Print** – Present Image Capture and Print Out Image.



- 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

No	DVR	CH	Date/Time	Description
1	shin-0	4	2006/10/03 14:15:00	Recording is continued #4(This is not dis
2	shin-0	3	2006/10/03 14:15:00	Recording is continued #3(This is not dis
3	shin-0	1	2006/10/03 14:15:00	Recording is continued #1(This is not dis

① Indicate Event Occurred Order No.

② Indicate Event Occurred DVR No.

③ Indicate Event Occurred Camera No.

④ Indicate Event Occurred Time & Date

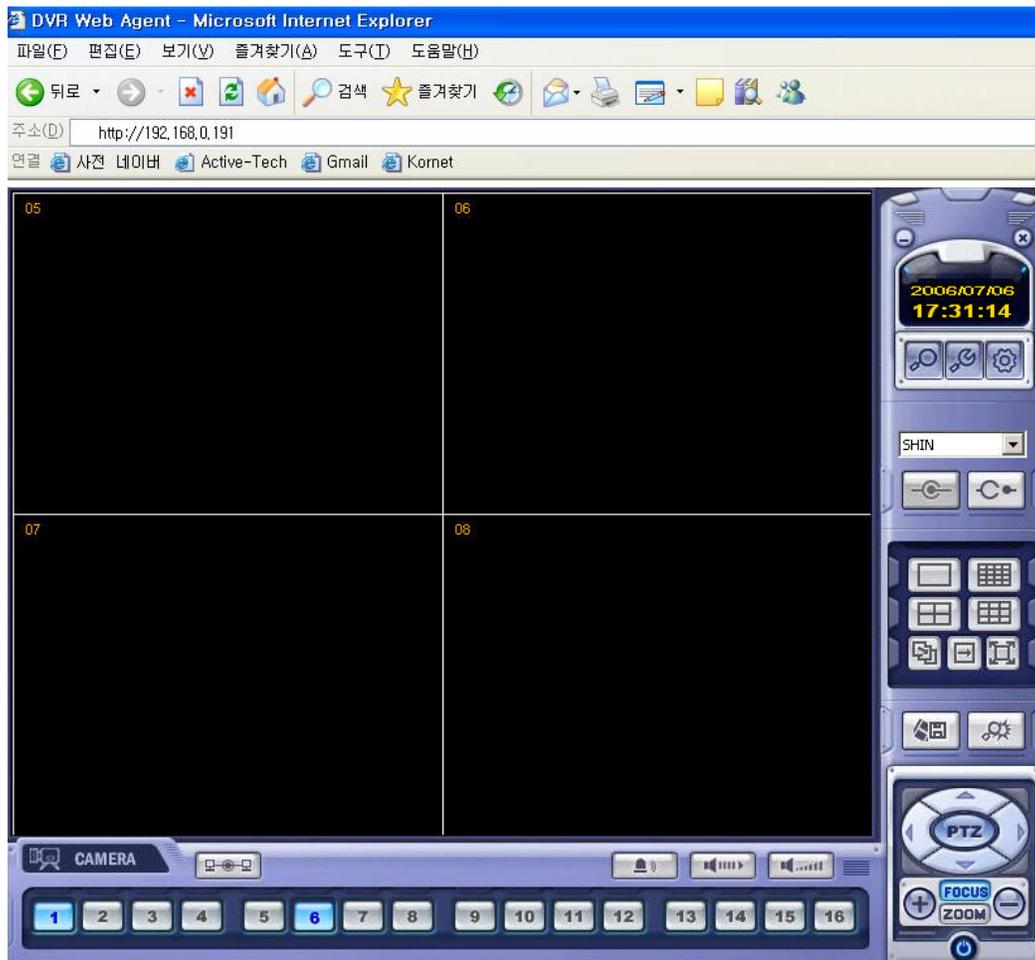
⑤ Indicate Event Detail Description

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

