

# Digi-Flower Inc.

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## **DFS-T4 USER'S MANUAL**

**Digi-Flower Inc.**

**Revision Date : 2004. 07. 01.**

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# • Specification & Organization

## 1. Specification

Hardware	CPU	32bit DSP
	HDD	Unlimited HDD Space (Range in HDD x2)
OS		RTOS
Video Input		4ch NTSC/PAL
Display Speed		120(PAL: 100) fps
Screen Modes		1/4 Channel Mode
Recording Speed	352×240	120/100
	704×240	60/50
	704×480	30/25
Monitor Output		Analog(BNC)/S-Video/Supports 1 Spot Out(BNC)/4 Loop-through
Recording Resolution		NTSC : 352×240, 704×240, 704×480 PAL : 352×288, 704×288, 704×576
Com pression Method		MPEG4 (Modified)
Byte Size per Im age		3~5 Kbyte @ 352×240 (PAL : 352×288) 5~10 Kbyte @ 704×240 (PAL : 704×288) 6~16Kbyte @ 704×480 (PAL : 704×576)
Recording Modes		Continuous, Motion Detection and Sensor Activated
Recording Schedule		Setting Recording Schedule per cam era
Motion Detection		Supports the Setting of Motion Sensitivity per Cam era
Sensor/ Cam era/Alarm I/O		M: N Mapping
Audio Input / Output		4 Input / 1 Output
Sensor/ Alarm		4 Input / 1 Output
VGA Output		1 CH (Optional)
P/T/Z Control & Port		RS-485
LAN		10/100BASE- TX Ethernet
Transmission Speed and No. of Connections		Same Recording Speed for each Channel 1 Connection, 4ch Video
Rem ote Transmission		Rem ote Live Viewing, Remote Playback and Rem ote File copy Playback, Network Transmission, Recording(Triplex operation)
Rem ote Control		Rem ote Pan/Tilt/Zoom/Focus/Iris
System Recovery After Power Failure		Auto- Rebooting Auto- Scan and Recovery for Data
System Operation		Button on Front Panel and IR Rem ote Controller
Storage Temperature and Humidity		20~65°C / 20~95%RH
Operating Temperature and Humidity		5~40°C/ 20~80%RH
Power		DC12V, 4.5A (Adaptor Supplying)
Dim ension		360(w)×44(H)×360(D)
Weight		5kg
Rem ote S/W		Rem ote Viewer(4ch)

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## • Specification & Organization

### 2. Product Contents List

Please Confirm the Contents When You Open Packing.

#### ① Basic Contents



DFS-T4



Remote Controller



User's Manual



Remote Installation CD



AAA Battery X 2 ea

#### ① Optional Contents



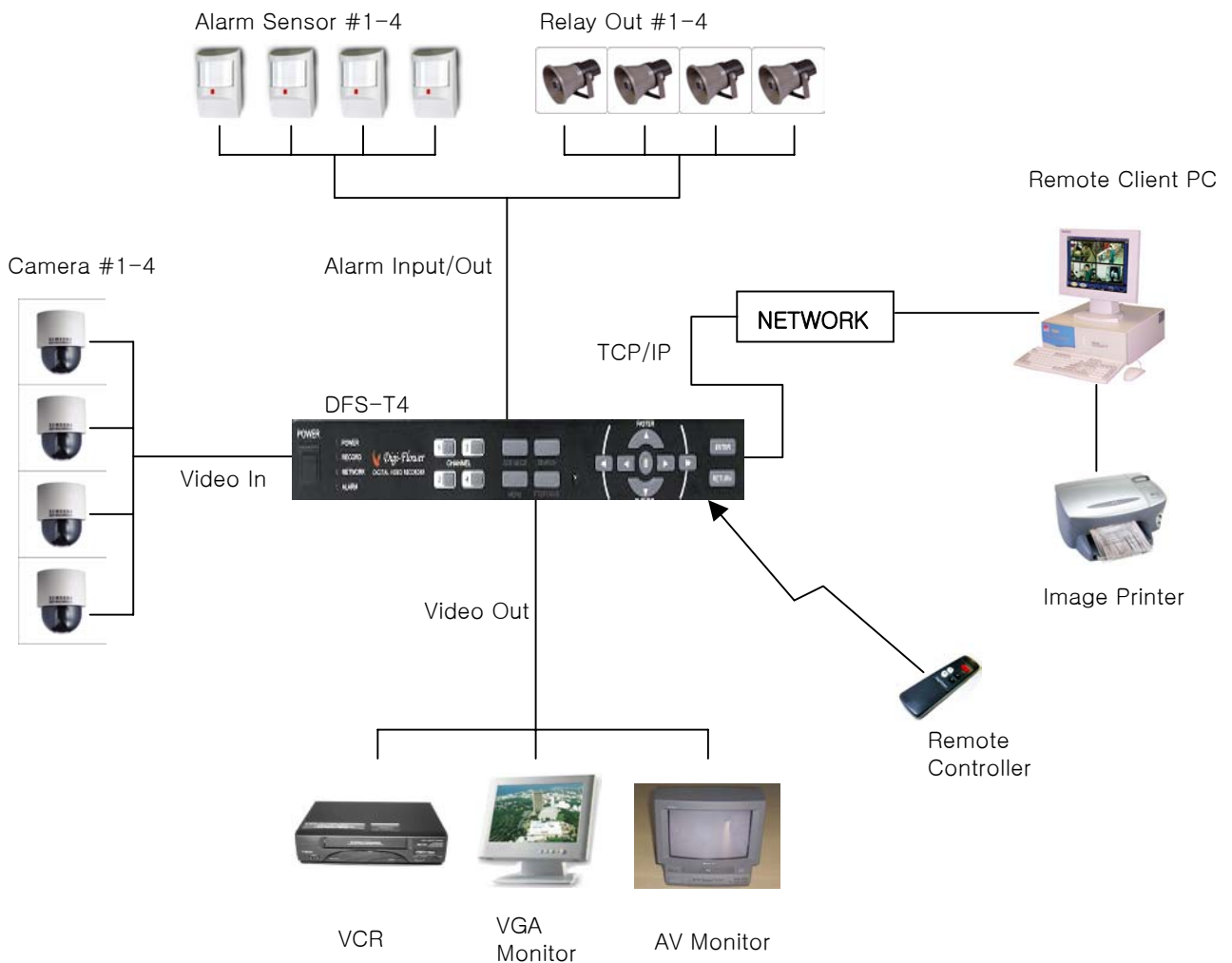
80GB HDD



VGA OUT Install Kit

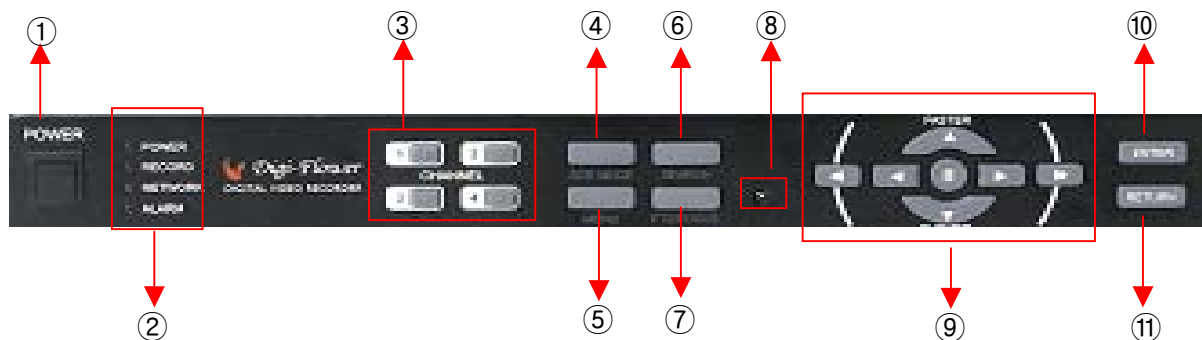
## • Specification & Organization

### 2. Organization



## • Panel Function

### 1. Front Panel



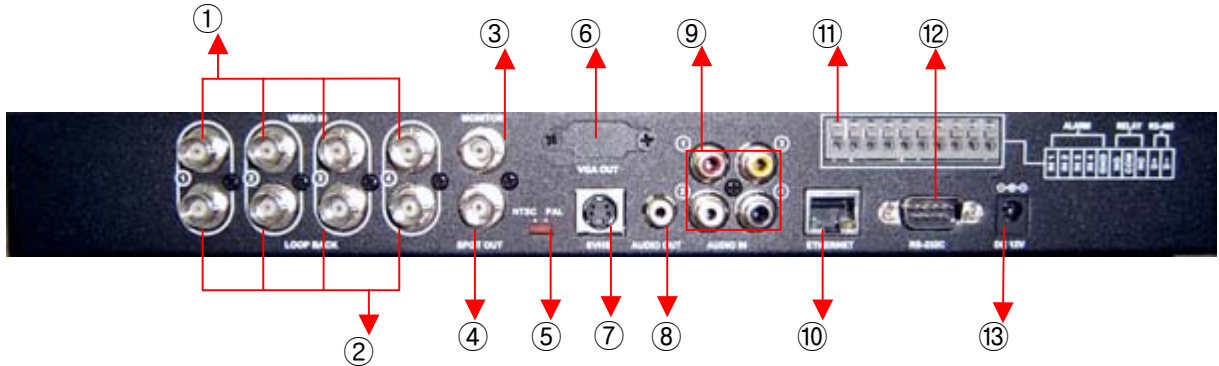
- ① Power : System Power On/Off.
- ② LED Indicator : Indicate Present System Situation  
( POWER: System On/Off , RECORD: Record On/Off , NETWORK: Client Network Connect  
ALARM: Alarm Sensor )
- ③ Channel Select Button : Select Channel or Input Password
- ④ SCR Mode : Select Screen Division Mode or Rotation Mode
- ⑤ Menu : Go to System Menu
- ⑥ Search : Go to Search Mode for Searching Recorded Video
- ⑦ PTZ/Focus : Go to Camera PTZ/Focus Control
- ⑧ Remote Controller Sensor Input
- ⑨ Search Controller : Searching Recorded Video or Control Menu & PTZ/Focus
- ⑩ Enter : Press Enter to Apply Changing Setup
- ⑪ Return : Cancel Setup or Return Previous Mode

### Tip

- Power Button is soft style to Prevent System Failure by wrong operation.
- Channel Selection Button is prior to SCR mode.
- When Remote Controller Sensor Input is blocked by something, it cause remote controller do not work properly.
- When press any button, it operate with Beep Sound.

## • Panel Function

### 2. Rear Panel



- ① Video In : BNC Port which Connected DVR & Camera (4 Camera Connectable)
- ② Loop Back : Output DVR Camera Video to Loop Back Port (4 BNC Port)
- ③ Monitor Out : Output DVR Video when connected AV Monitor
- ④ Spot Out : Output Video when Alarm Activated to AV Monitor
- ⑤ NTSC/PAL : Select NTSC or PAL Type
- ⑥ VGA Out : Connected VGA Card to Output Video at Computer Monitor
- ⑦ SVHS : Output Video to Connect SVHS Terminal
- ⑧ Audio Out : Output Recorded Audio
- ⑨ Audio In : AV Terminal which Connected Camera #1~4 for Input Audio
- ⑩ Ethernet (TCP/IP) : Connect Port for LAN Cable (Possible to Remote Survey to Connect to Client)
- ⑪ Alarm/Relay/RS-485 : Connect Port for Sensor & Relay, PTZ
- ⑫ RS-232C : Output Image to Computer Monitor
- ⑬ DC Power Input Terminal : Power Supply by DC 12V Adaptor

### Tip

- When System Installation, Please Connect when System Off.
- Please Use Specific Adaptor when Power Supply.

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## • Installation

### 1. Hard Disk Installation

#### ① Jumper Setup Master or Slave



- Jumper Setup Master or Slave refer to Explanation of Surface Hard Disk
- Jumper is located at Hard Disk Data Cable or Rear Side of Hard Disk
- If One Hard Disk Installation, Setup Master  
If Two Hard Disk Installation, Second One Setup as Slave

#### ② Connect Disk Drive Cable to Hard Disk



- Insert Disk, Red Cable Head to Power Cable Plug
- Connect Power Cable to Hard Disk in the Same Way

#### ③ After Finishing Cable Connection, Attach Hard Disk with Screw & Bracket



#### **Tip** —Master, Slave?

- IDE Hard Disk can connect two equipment at one cable (port). For the purpose of prevent confusing, two equipment named 'Master' & 'Slave'. 'Master' is one hard disk or first hard disk and 'Slave' is below second hard disk.

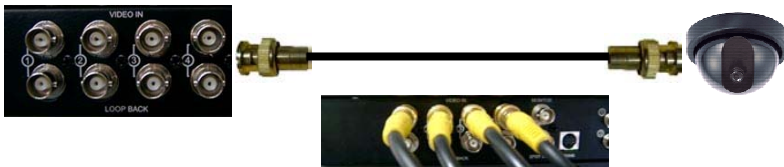


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## • Installation

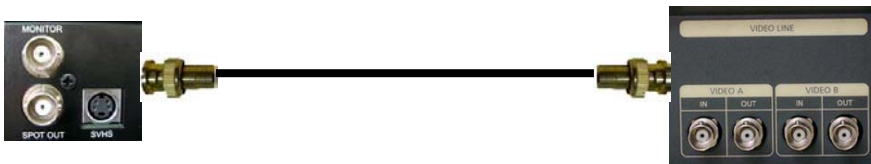
### 2. Camera Connection

Connect Camera at BNC Port in Back Side Panel.



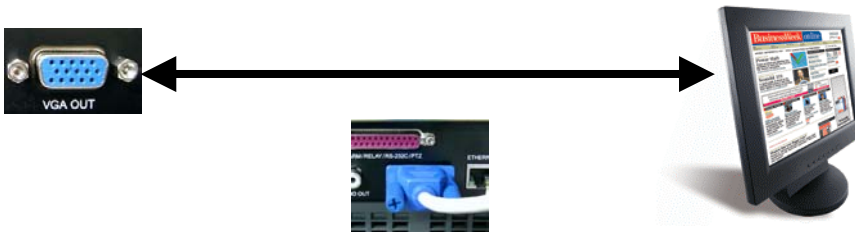
### 3. Monitor Connection

Connect Monitor Terminal or S-VHS Terminal to Monitor



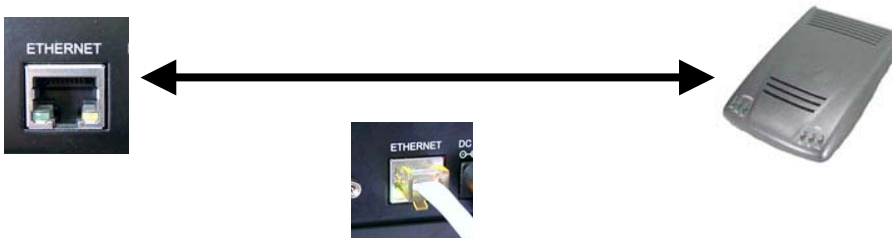
### 4. Computer Connection

Connect VGA OUT Terminal to Computer Monitor



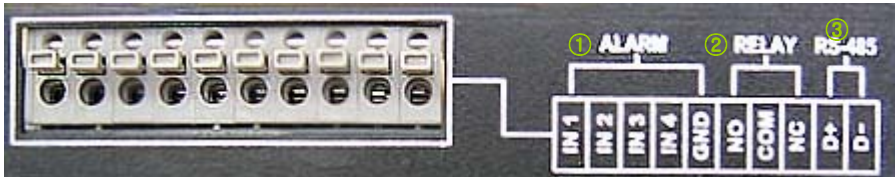
### 5. Network Connection

Connect Ethernet Terminal and Network Cable



## • Installation

### 6. Alarm/Relay/PTZ Connection



#### ① ALARM

Alarm Input – 'IN1, IN2, IN3, IN4' : Connect Sensor Input by Channel  
'GND' : Connect Ground System

#### ② RELAY

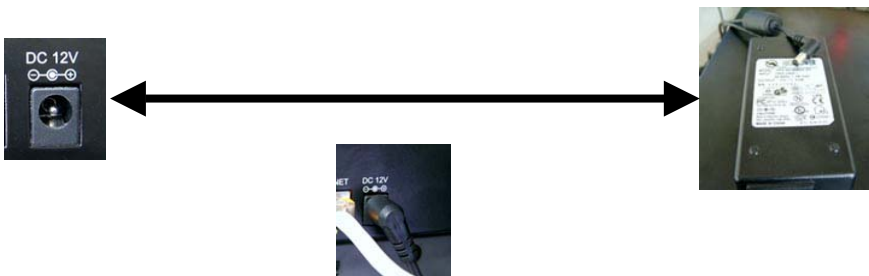
Alarm Output – 'NO, NC' : After Checking Alarm Output Type (Normal Open or Normal Close)  
and Connect to 'NO, NC'  
'COM' : Connect Remain Grounding Conductor

#### ③ RS-485

Connect PTZ Camera – 'D+, D-' : Connect PTZ Camera Control Line (+ , - Terminal)

### 7. Power Connection

Connect DC Power Input Terminal and Specific Adaptor



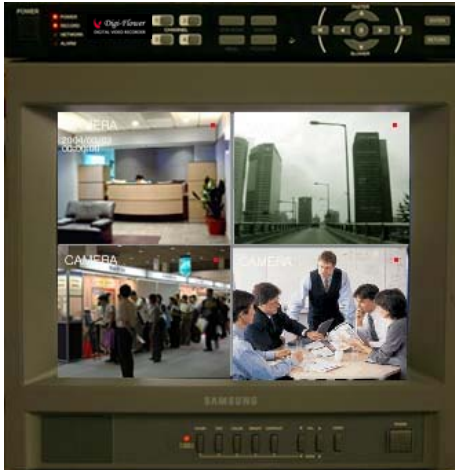
### 8. Finishing Installation

System Start by Power Button after Finishing Installation.



## • Display

### 1. System Power ON

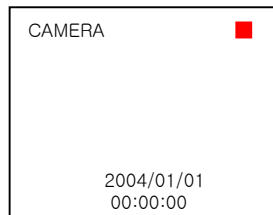


Picture for Power On  
after Finishing Installation

#### POWER



- Press Power Button to Start System
- After Checking Hard Disk, Need input Password to Operation
- Initial Screen View Mode is Quad Division Mode and Recording Mode



- Each Channel Indicate Camera Name & Recording Status
- Present Time & Date Indicate at Monitor Central Lower Side

### Tip

- Check System Condition at LED  
POWER : Showing System On/Off  
RECORD : Showing Record On/Off  
NETWORK : Showing Client Connection Status  
ALARM : Lighting when Sensor Alarm Activate

### 2. Select Screen Mode



- Select One Channel among 4 Channels
- Move to One Enlargement Watch Mode when Quad Screen Division Mode
- Move to One Enlargement Watch Mode when Rotation Mode

## • Display

### 3. Convert Screen Mode (SCR MODE)

#### SCR MODE

- User can Select 3 Kinds Watch Mode
  - ① Quad (4CH) Division Watch Mode
  - ② Selected 1CH Watch Mode
  - ③ 4CH Rotation Watch Mode
- Quad (4CH) Watch Mode is Initial Mode when System Start



Quad (4CH) Division  
Watch Mode



Selected 1CH  
Watch Mode

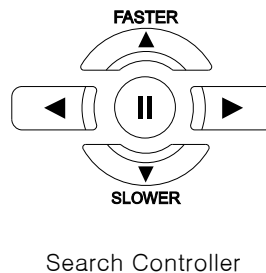
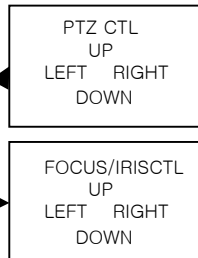


4CH Rotation Mode

### 4. PTZ/FOCUS Control

#### PTZ/FOCUS

- Control Camera PTZ (Pan/Tilt/Zoom) & Focus (Only Useable for Proper Camera)
- Press PTZ/FOCUS Button to Open PTZ Menu at Right-Under Side and Control by Search Controller
- Press PTZ/FOCUS Button Second Time to Open FOCUS/IRIS Menu and Control by Search Controller

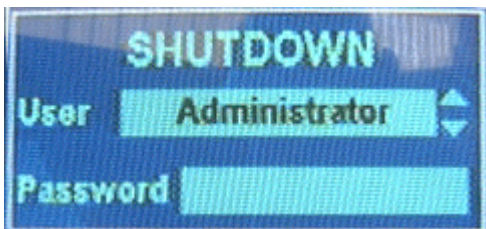


Control Camera PTZ &  
Focus by Search  
Controller on PTZ Menu

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## • Display

### 5. System Power OFF



POWER



- Press Power Button to System Off
- Input Password and Press Enter to Shutdown System

### Tip

- System Log-On Possible ID : 'Administrator', 'Manager', 'Operator', 'Network'  
Administrator: All Function Access (System Booting, Shutdown, Setup, Search)  
Manager: System Booting and Search  
Operator: System Booting  
Network: Connect by Remote Program

## • SEARCH

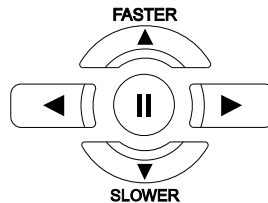
### ◎ Go to Search Mode



Search Recorded Data

SEARCH

- Press Search Button and Log-In Administrator or Manager



- Use Direction Key to Move Menu

ENTER



- To Open Each Menu Press Enter

RETURN

- Return to Previous.  
(Move to Previous Menu or Exit Search Mode and Return to Watch Mode)

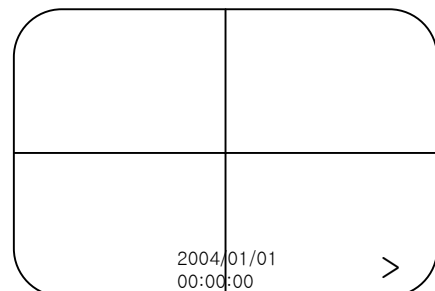
### 1. Search by Date/Time

- Possible to Search Recorded Date & Time








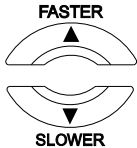
- ① Move Cursor to Selected Date in Calendar  
(Recorded Date & Time Indicated by Gray Color)
- ② Press Enter to Open Selected Date
- ③ Recorded Time Appear to Under Side
- ④ Press Enter at Selected Time  
(One Scale is 15 Minutes)
- ⑤ Menu Disappear and Output Recorded Video

- Showing Recorded Date & Time at Left-Upper Side as Watch Mode.  
Showing Playing Condition at Right-Under Side.
- Channel Selection Button in Watch Mode & SCR Mode Button are Apply the Same as Search Mode.  
(But Menu, Search, and PTZ/Focus Buttons are Exception)



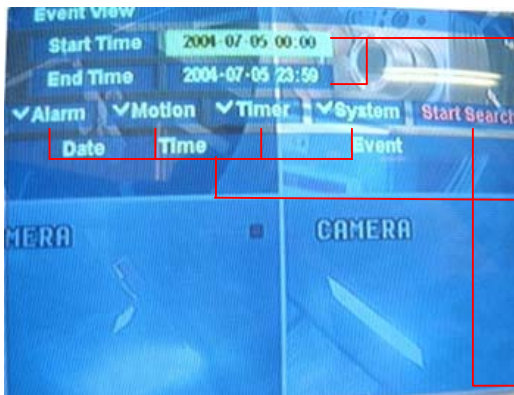
## • SEARCH

### • Control Playing Video

- ①  : Basic Playing Mode (Normal Speed (1X) Forward Playing)
- ②  : Normal Speed Backward Playing
- ③  : Pause Video
- ④  : Fast Forward (2 ~ 64 Speed)
- ⑤  : Fast Backward (2 ~ 64 Speed)
- ⑥  : Same Function as # ④,⑤

## 2. Search by Event

– Searching Video with Event Occurrence to Set up Period



Set up Period to Select Start Date & Finish Date for Searching Event

Alarm : Searching Alarm Event during the Selected Period

Motion : Searching Motion Detected Event during the Selected period .

Timer : Searching Schedule Change or Recording Setup Change Event

System : Searching Power On/Off Event (etc.) Concerned System Event

Event List Showing at Below Output Window

### Tip

- Alarm, Motion, System can be Select plural by Check (V)–(ENTER)
- To Change Setup, Press Enter and Press Direction Key  
After Changing Setup, Press Enter to Exit.



## • SEARCH



- Date : Indicate Event Occurrence Order & Date
- Time : Indicate Event Occurrence Time
- Event : Indicate Event Contents & Camera No.

### • Event Searching Method

- ① User can Search Event Using by Direction key
- ② Search Event to Press Enter at Selected Event from Event Occurrence Time
- ③ Control Video is the same way as Time Mode Control

## Tip

- The Search by Event is not Base on Video, but Event Occurrence Time.



## • MENU

### ⦿ Go to Menu



- ① Press Menu Button on Front Panel in Watch Mode
- ② Ask Password
- ③ Input Password Using by Channel Select Button [1][2][3][4])
- ④ After Input Password Press Enter to See Menu

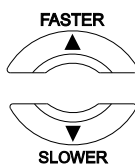
### Tip

- Initial Administrator, User, Network Password is 1234.
- Showing Password as \*
- Changing Password (MENU→6.System→4.Password )
- Only Watch Mode can go to Menu.  
(Search & PTZ/Focus Mode can't move to Menu)

### ⦿ Menu Initial



- Every System Setup can Change or Maintain at Menu (6 Setup)

-  Move to Menu Using by Up & Down Button

-  To Open Detail Menu or to Apply Input

-  Return to Previous Menu or Return to Watch Mode

# • MENU

## 1.Display

– Video Setup for Watch Mode

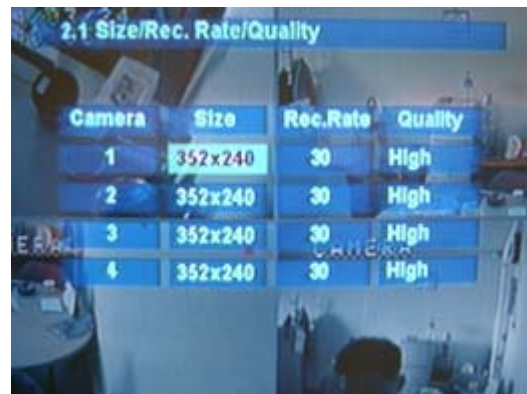


1. Date/Time : Date & Time Mark On/Off at Left-Upper Side in Watch Mode
2. Title : Camera Name On/Off above Date/Time in Watch Mode
3. Status : Record Condition Mark On/Off at Right-Upper Side when Recording Setup & Motion Setup
4. Border : Border Mark On/Off when 4CH Division Watch Mode
5. Border Color : Select Border Color (White, Blue, Red, Yellow, Green, Gray)
6. Sequence Dwell : Setup Rotation Cycle Time (1~60 Sec.) when 4CH Rotation Mode at Watch Mode
7. Spot-Out Dwell : Setup Spot-Out Time Cycle (1~60 Sec.) to Transmit Video when Alarm Activated
8. DeInterlace Mode : Remove Screen Spread on High Resolution , Low Frame

## 2.Record

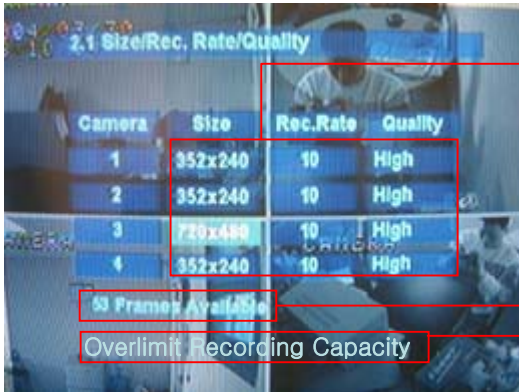
– Setup Image Record

### 2.1 Size/Rec.Rate/Quality – Setup Recording Resolution, Compression Rate, Quality



- Camera : Indicate Camera No. to Setup
- Size : Setup Resolution
- Rec.Rate : Setup Compression Rate
- Quality : Setup Quality of Recording Video

## • MENU



- Size : 320\*240, 720\*240, 720\*480
- Rec.Rate : Possible to Select (1~30)
- Quality : Possible to Select 3 levels (High, Low, Standard)
- Indicate Frame No. to Control Size & Rec. Rate
- If Frame Over, Showing a Message 'Overlimit Recording Capacity' and Impossible to Change Size & Rec. Rate

### Tip

- When Setup Refer to Below NTSC, PAL Type  
 NTSC : 320\*240(120fps), 720\*240(60fps), 720\*480(30fps)  
 PAL : 320\*240(100fps), 720\*240(50fps), 720\*480(30fps)
- Possible to Setup Size & Rec. Rate, Quality per Each Channel
- When Applying Change Setup, Press Enter,  
 When Cancel Change Setup, Press Return.

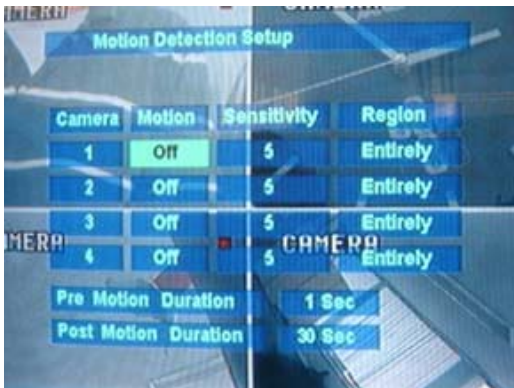
## 2.2 Timer Recording Setup – Record On/Off or Time, Motion Setup



- Camera : Indicate Camera No. to Setup
- Record : Record On/Off
- Start : Setup Recording Start Time (0~24 hr)
- Stop : Setup Recording Finish Time (0~24 hr)
- \* Recording Time is between Start Time and Finish Time.
- Motion : Motion Detection Recording On/Off  
 (Record Setup must be 'On', when Motion Detection Recording.)

## • MENU

### 2.3 Motion Detection Setup – Motion Detection Area & Sensitivity



- Camera : Indicate Camera No. to Setup
- Sensitivity : Control Sensitivity (1~100)  
Large No. is More Sensitive.
- Region : Setup Motion Detect Range  
Entirely – Setup Entire Screen  
Partially – Setup Partial Screen
- When Choose Region as Partially, Move to Partial Range Setup. Press Enter After Partial Range Setup to Finish Region Setup.
- Pre-Motion Duration : Setup Pre-Motion Duration Time. (1~5 sec)
- Post-Motion Duration : Setup Motion Detect Recording Time after Motion Detected (5sec~3min)

### 2.4 Alarm Recording Setup – Recording Setup for Alarm Activated



- Camera : Indicate Camera No. to Setup
- Record : Setup Record On/Off when Alarm Activated
- Start : Setup Alarm Recording Start Time (0~24 hr)
- Stop : Setup Alarm Recording Finish Time (0~24 hr)
- Pre-Alarm Duration : When Alarm Recording, Setup Start Recording Time before Alarm Activate (1~5sec)
- Post-Alarm Duration : Setup Alarm Recording Time after Alarm Activate (5sec~3min)

## Tip

- Motion Setup Work by Time Schedule and Alarm Schedule Work Independently.



## • MENU

### ⊙ Time Recording Weekly Setup



Weekly mode Setup at Record Setup



Scheduled Region Indicated Yellow



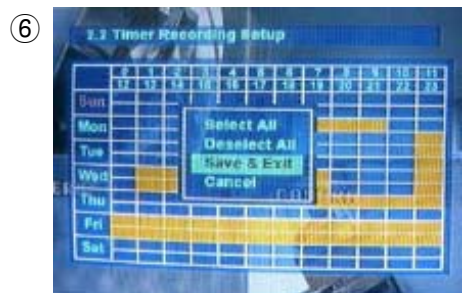
After 'Deselect' Schedule, Activated Region by Press 'ENTER' and Select Date & Time to Move Cursor



After Selecting Region and Press 'ENTER' Again to Finish Schedule Setup (Red)



Setup Date & Time Schedule in the Same Way.  
After Finishing Schedule Setup,  
Press 'Return' for Save & Exit

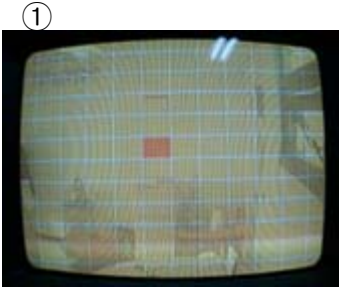


- Select All : Entire Region Select
- Deselect All : Cancel Region
- Save&Exit : Save Changing Setup & Exit
- Cancel : Cancel Changing Setup & Exit

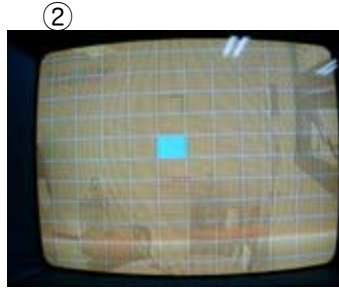
## • MENU

### ◎ Partial Motion Region Setup

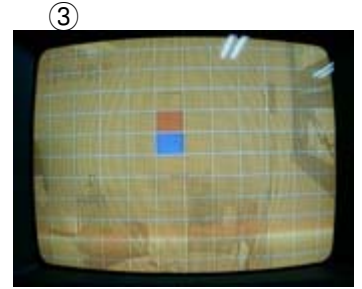
■ :Non-Activate Move Cursor   
 ■ :Activate Partial Setup Cursor   
 ■ :Partial Setup Finish Cursor   
 ■ :Non-Activated Region



Region Initial View



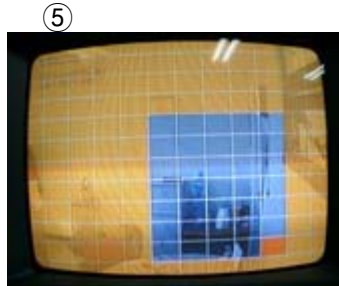
Move Cursor by Direction Key and Press Enter at Selected Region



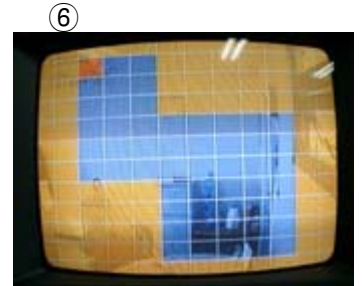
Press Enter again to see Region as a Blue Color and Setup Non-Activate Region



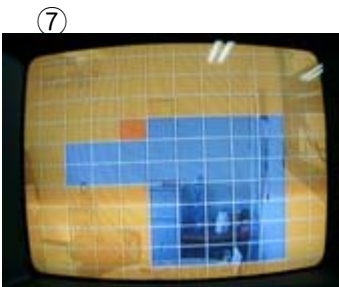
When Select Multi Region, Using Direction Key in ② to Expand Non-Activate Region



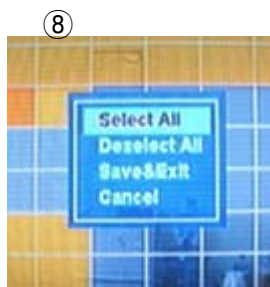
Press Enter to Select Multi Non-Activate Region



Same Method as ④⑤, Possible to Expand Non-Activated Region



For Reducing Partial Region, Cancel Non-Activate Region in Same Way as ④⑤



When Finishing Partial Region Setup, Press Enter to Save & Exit

- Select All : Select Entire Region
- Deselect All : Cancel Region Setup
- Save&Exit : Save the Change Setup & Exit
- Cancel : Cancel Change Setup & Exit

## • MENU

### 3.Camera

– Setup Camera

#### 3.1 Status/Title Setup – Camera Connection Status & Camera Name Setup



- Camera : Indicate Camera No. to Setup
- Status : Indicate Camera Status (Connected/Disconnected)
- Title : Setup Camera Name to Show Left-Upper Side

## Tip

- Title Input Method

Using Direction Key, Up & Down Keys for Alphabet A~Z, Numerical No. 0~9  
Left-Right Keys for Move to another Letter.

#### 3.2 Covert/PTZ Setup



- Camera : Indicate Camera No. to Setup
  - Covert : Setup Covert On/Off  
\*What's Covert?  
When Covert On Watch Mode, Display Video is Hidden, but Recording is On.
  - PTZ Address : Select PTZ Camera Address
  - PTZ Protocol : Select Kind of PTZ Camera
  - Baud Rate : Setup PTZ Communication Speed (2400, 4800, 9600 BPS)
- ※PTZ Supplied Protocol :  
Samsung(MRX-1000), HoneyWell(GC/GMC-755 Zoom)  
Kalatel(KTD-312), Panasonic(WV-CS850),  
Panasonic(WV-CSR604), PELCO-D, PELCO-P,  
Sensormatic-ADPT8, Vicon(surveyor99)

## • MENU

### 3.3 Color Setup – Control Video Color



- Camera : Indicate Camera No. to Setup
  - Bright : Control Monitor Bright
  - Contrast : Control Monitor Contrast
  - Color : Control Monitor Color
  - Tint : Control Monitor Tint
- \* All Setup Possible to Control 0~100

## 4.Audio

– Setup Audio

### 4.1 Audio Recording Setup – Audio In Setup



- Camera : Indicate Camera No. for Setup
- Audio Rec. : Setup Recording On/Off from External Audio In Terminal
- Audio Ch. : Setup Audio In Terminal Channel & Audio Output Camera

## Tip

- User can Listen Saved Audio with Saved Video
- Audio Check in Search is Possible Only Normal Speed (1X) Forward Playing at 1CH Mode (Audio Recorded Channel)



## • MENU

### 4.2 Live Audio Setup – Audio Out Setup



- Live Audio : Audio Output ON/OFF  
Live Audio Output from Audio In Terminal
- Monitoring Ch. : Select Channel for Audio Output  
Nr. 1~4 Audio In

## 5.Alarm

– Setup Alarm & Relay

### 5.1 Alarm Input Setup – Alarm Sensor Setup



Alarm	Status	Camera	Type
1	Disconnected	1	N/Open
2	Disconnected	2	N/Open
3	Disconnected	3	N/Open
4	Disconnected	4	N/Open

- Alarm : Indicate Alarm Input Terminal No.
- Status : Setup Alarm Sensor Connection Status  
(Connected/Disconnected)
- Camera : Input Camera No.1~4 to Connect Alarm
- Type : Setup Alarm Sensor N/Open, N/Close Type

### Tip

- Generally Alarm Sensor can be Divided Two Types.  
Normal Open Type is Open Sensor Electrically and Reacted when Signal is Connected.  
Normal Close Type is Close Sensor Electrically and Reacted when Signal is Disconnected.

## • MENU

### 5.2 Relay Output Setup – Alarm Relay Setup



- Alarm : Indicate Alarm Input Terminal No.
- Relay Out : Setup Relay Connect with Alarm Sensor
- Mode : Setup Reacted Relay as Latched/Transparent Mode
- Duration : Setup Reacted Relay Time (5sec~5min or Until key-in)
- Relay Type : Setup Relay Type N/Open or N/Close

### Tip

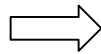
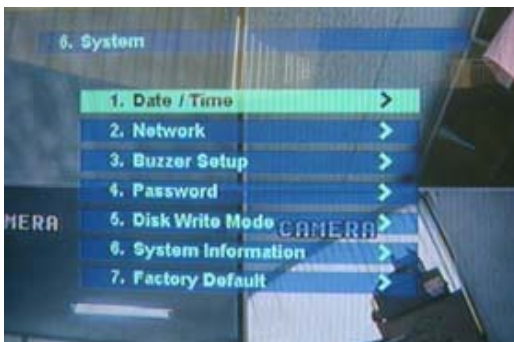
- Latched/Transparent

Latched – When Sensor Alarm Activated, Relay Reacted in Setup Duration  
Transparent – Relay Reacted Temporary During Sensor Alarm Activate

## 6.System

– Basic Environment Setup

### 6.1 Date/Time – Date & Time Setup



- Date : Setup Present Date (YYYY-MM-DD)
- Date Format : Select Date Output Type (Ex: 2004-00-00, 2004/00/00)
- Time : Setup Present Time
- Time Format : Setup Time Type as 12 Hour Base or 24 Hour Base
- Daylight Saving : Summer Time Applying Status

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### 6.2 Network – Setup TCP/IP



- IP Address : Input IP Address
- Gateway : Input Gateway IP for Internet Server
- Subnet Mask : Input Subnet Mask IP
- Network Speed : Setup Network Speed  
(Network Speed from System, Depend on Network Status)

### 6.3 Buzzer Setup – Setup Key Sound to Speaker



- Alarm Input : Alarm On/Off when Alarm Activate
- Videoloss : Alarm On/Off when Camera Disconnected
- Disk Full : Alarm On/Off when Hard Disk Full
- Disk Error : Alarm On when Hard Disk Error
- Key Input : Setup Key Input Sound

### 6.4 Password – Setup Password

#### 6.4.1 Administrator Password – Setup Menu & System On/Off



- Current Password : Input Current Password (Initial Password : 1234)
- New Password : Input New Password
- Re-enter the Password : Re-Confirm New Password
- Save&Exit : Applying New Password

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### 6.4.2 Manager Password – Possible System On/Off & Search, But Can't Change Setup



- Current Password : Input Current Password  
(Initial Password : 1234)
- New Password : Input New Password
- Re-enter the Password : Re-Confirm New Password
- Save&Exit : Applying New Password

### 6.4.3 Operator Password – Possible System On/Off, But Can't Change Setup and Search



- Current Password : Input Current Password  
(Initial Password : 1234)
- New Password : Input New Password
- Re-enter the Password : Re-Confirm New Password
- Save&Exit : Applying New Password

### 6.4.4 Network Password – Setup Remote Connection Program Password

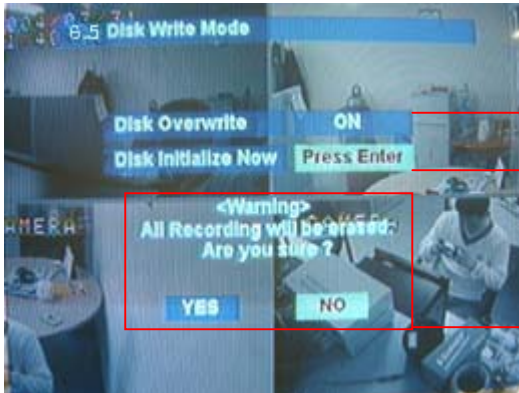


- Current Password : Input Current Password  
(Initial Password : 1234)
- New Password : Input New Password
- Re-enter the Password : Re-Confirm New Password
- Save&Exit : Applying New Password



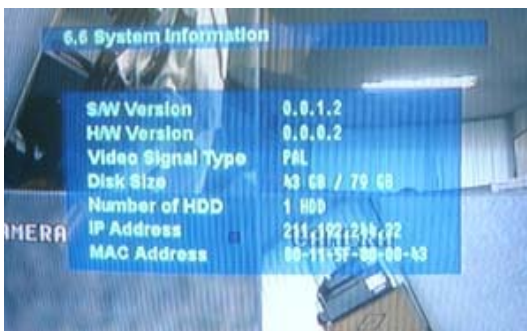
## • MENU

### 6.5 Disk Write Mode – Setup Hard Disk



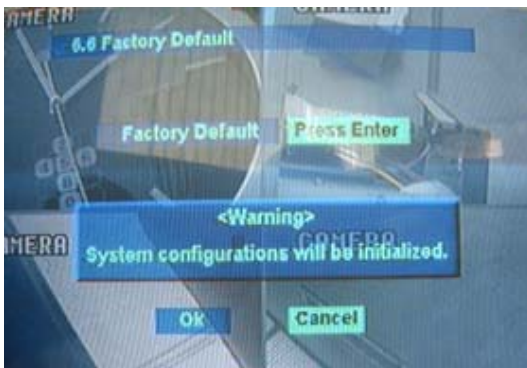
- Disk Overwrite : Select Overwrite Permission when Hard Disk Full  
O N: Overwrite Hard Disk from Oldest Data  
OFF: When Hard Disk Full, Stop Recording and Alarm Activate (Refer to Menu 6.3 Buzzer Setup)
- Disk Initialize Now : Refreshment Hard Disk  
All Recorded Data Deleted
- When Select Disk Initialize, Alarm Message Showing. Select 'Yes' to Start Disk Initialize.

### 6.6 System Information – Product information (Version etc)



- S/W Version : Indicate S/W Version of the Product
- H/W Version : Indicate H/W Version of the Product
- Video Signal Type : Indicate Video Signal Type
- Disk Size : Indicate Hard Disk Capacity
- Number of HDD : Indicate Present Installed HDD No.
- IP Address
- MAC Address

### 6.7 Factory Default – Every Setup Initializing



- Press Enter to Start Initialize
- Showing Warning Message and Press OK to Run Initialize
- If do Factory Default, Every Setup is Initialized, but Saving Image is Not Erase.

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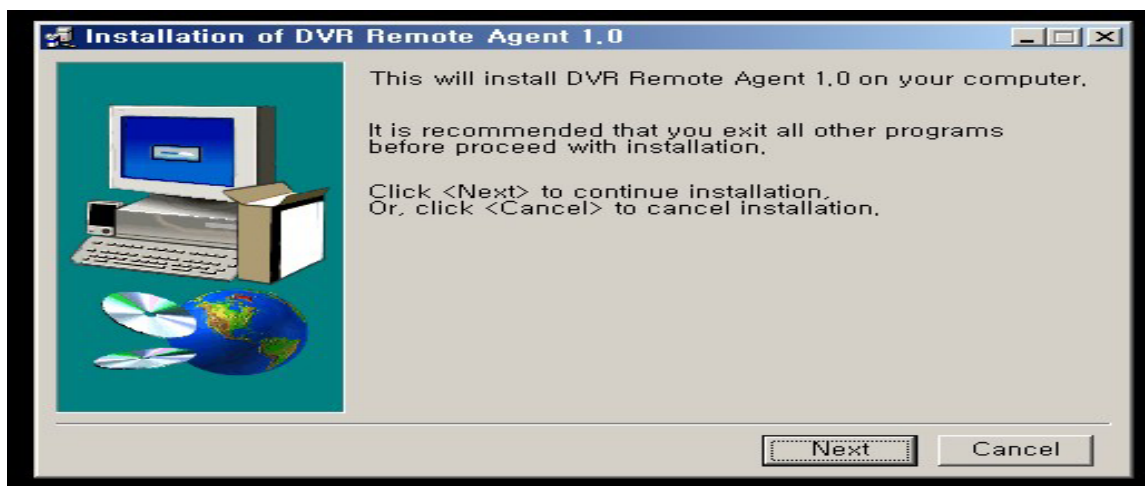
## • CLIENT

### • System Requirement

- ① Main Board (CPU): Celeron 500-700(Minimum), Pentium 4 recommend
- ② OS: More than Windows 98, Direct
- ③ Memory (RAM): More than 128 M
- ④ VGA: Radeon, Nvidia, Matrox Compatible Video Card

### • DVR REMOTE AGENT 1.0 Install

- ① Open CD-ROM Drive and Run DvrRemoteAgentSetup.exe and then Appear Setup Menu



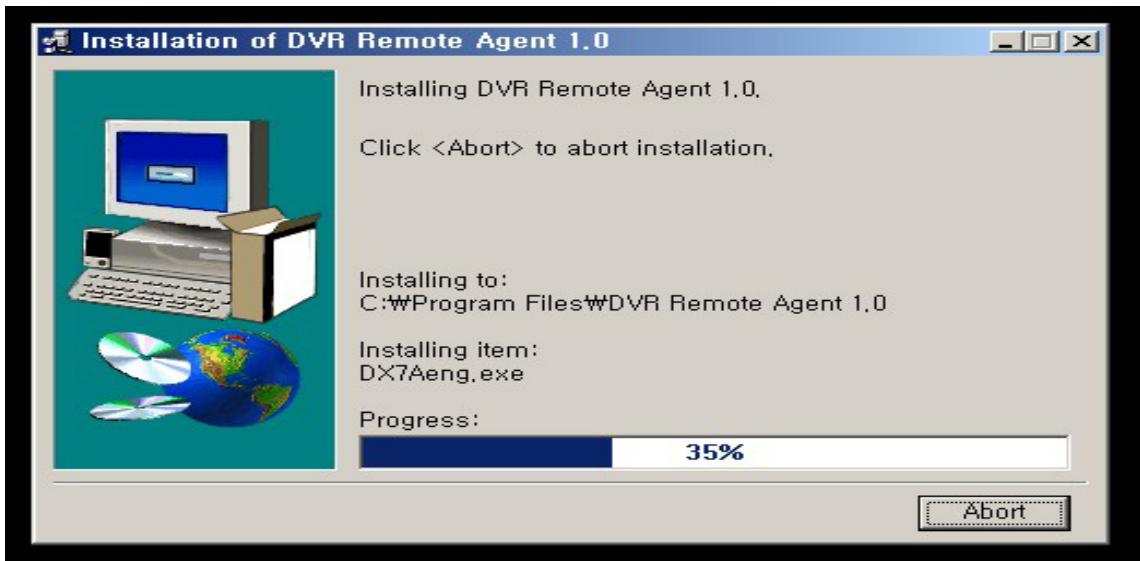
- ② Close All Running Software and Press Next to Move Next Step



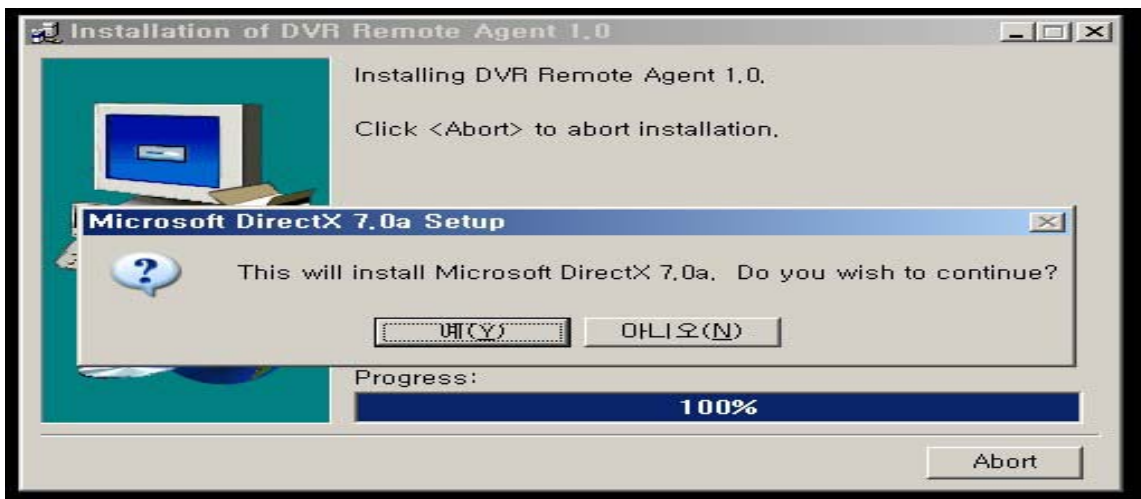
## • CLIENT

## • CLIENT

- ③ Ask designate Folder to Install DvrRemoteAgent 1.0,  
Recommend Basic setup c:\Program Files\DvrRemote Agent 1.0  
Click Next



- ④ Showing Progress of Copy of Files



- ⑤ Appear DirectX 7.0a Install Menu. If DirectX Version Lower than 7.0a, Press Yes to Start Install

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⑥ When Finishing Installation, System must be Restarted. Click 'Yes'



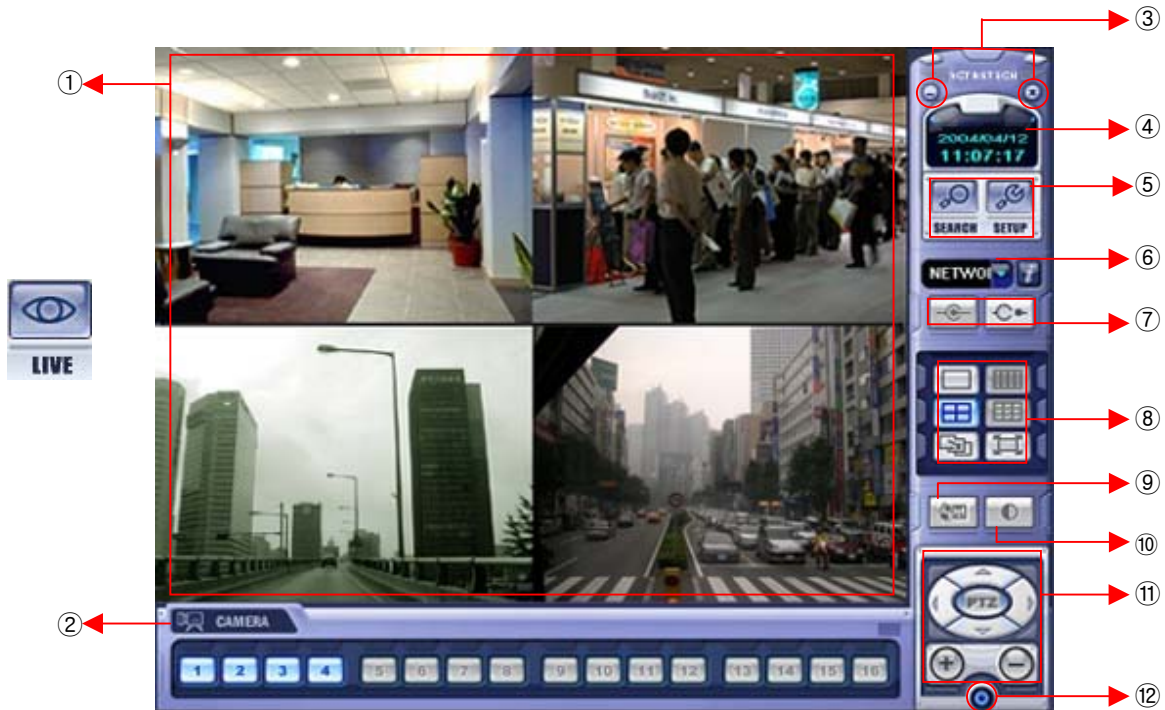
⑦ Finish DvrRemoteAgent 1.0 Program Installation



# • CLIENT

## 1. Watch Mode

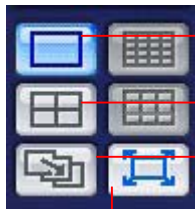
### 1.1 Function Introduction



- 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  
SETUP : Move to Setup to Change Network Setup or Option
- ⑥ I/D Selection : Select I/D to Connect Server
- ⑦ Connect : Connect Server (AVR 400S)  
Disconnect : Disconnect from Server
- ⑧ Screen Division Selection : Change Screen Division Mode
- ⑨ Save by AVI file : Transmission Live Image Save by AVI File
- ⑩ Color Adjustment : Adjust Color of Live Transmission Image
- ⑪ PTZ Control Button : Control Camera PTZ & Focus
- ⑫ Exit : Exit DVR Client

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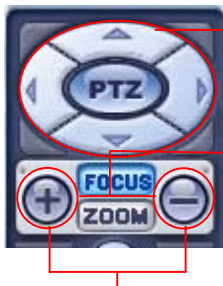
### 1.2 Screen Division Selection



- 1\*1 View : Showing One (1) Video which User Selected  
(Selection Video by Camera Selection Button)
- 4\*4 View : Quad Screen Division Mode
- Scenario View : One Large Screen Mode Showing One by One (1\*1 View)  
Depend on User Selection Time (Not Work Screen Division Mode)
- 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.

### 1.3 P/T/Z Control

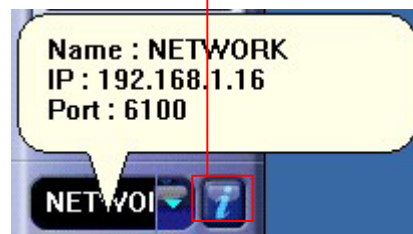


- P/T/Z Controller : Camera P/T/Z Control by Direction Keys
- FOCUS/ZOOM Select Button : Focus or Zoom Control by +, - Button
- +, - Control Button : Focus or Zoom Control

### 1.4 Selection Network I/D



Network Information Icon



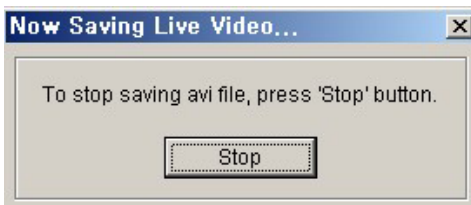
- Select I/D to Connect Server.
- I/D can be Add, Change, and Delete at Setup

- Click Network Information Icon, to See a Popup Window for Connected Server I/D, IP, and Port Information.

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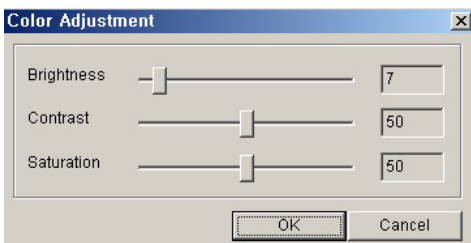
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### 1.5 AVI File Conversion



- 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

### 1.6 Color Adjustment



- Click Controller Possible to Control Color
- Change Brightness, Contrast, Saturation from 0 to 100
- Click OK to Finish Changing Setup

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### 2.Search Mode

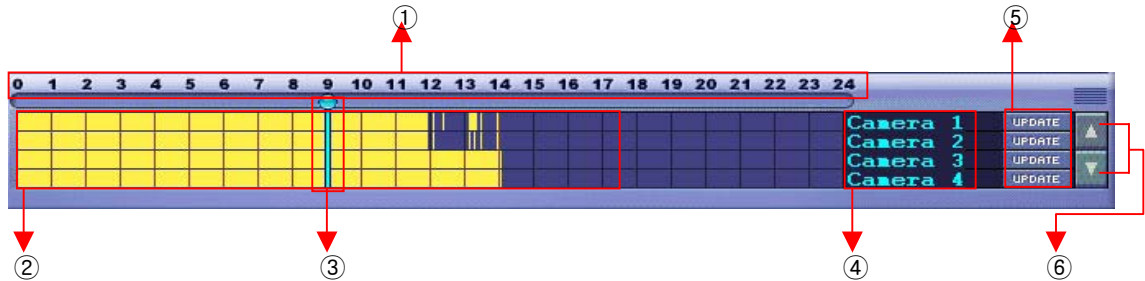
#### 2.1 Function Introduction



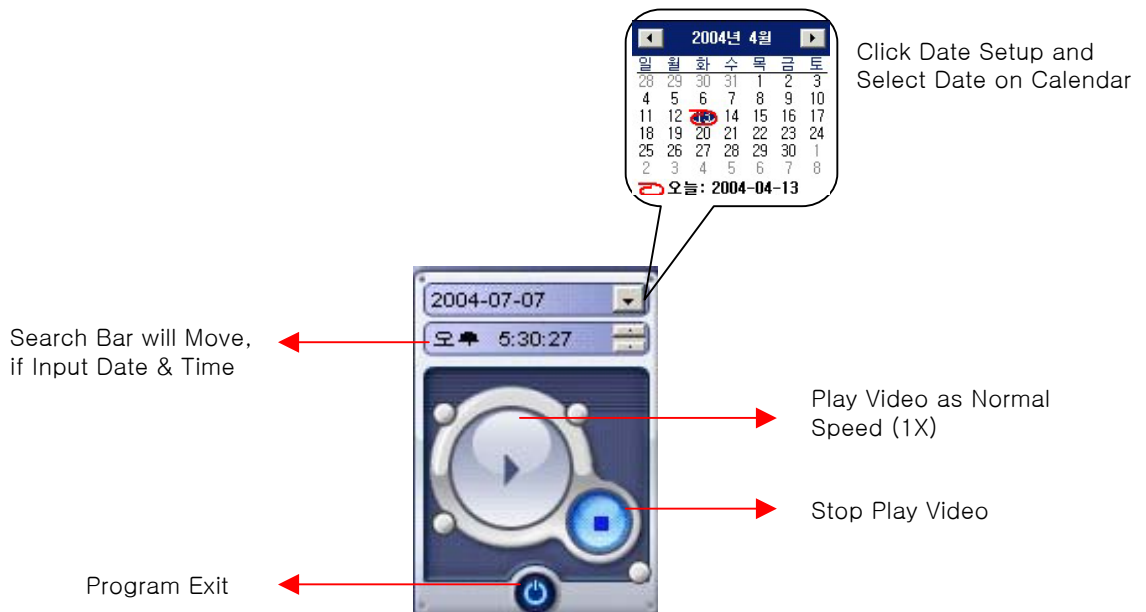
- ① Search Screen : Playing Selected Video
- ② Search Bar : Search & Indicate Camera Recording Situation by Time Bar
- ③ LIVE : Return to Watch Mode  
SETUP : Open Setup to Change Network Setup or Option
- ④ Screen Division Selection : Change Playing Screen Division Mode
- ⑤ SEARCH Option : Backup Video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

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### 2.2 Search Method

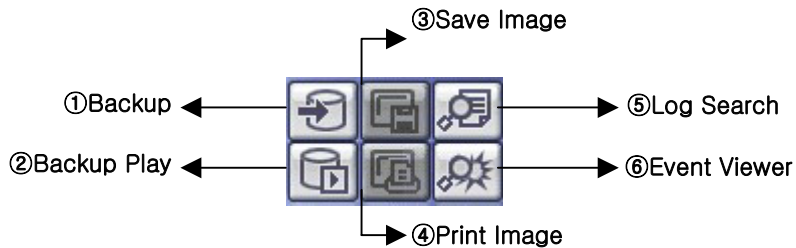


- ① Indicate 0~24 Hour
- ② Indicate Recording Situation (Blue : No Record, Yellow : Recorded Image at the Time)
- ③ Search Bar : Select Video to Drag Mouse Search Controller in Recorded Area
- ④ Indicate Camera Channel to Confirm Camera Recording Situation
- ⑤ Refreshment Recording Information Situation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

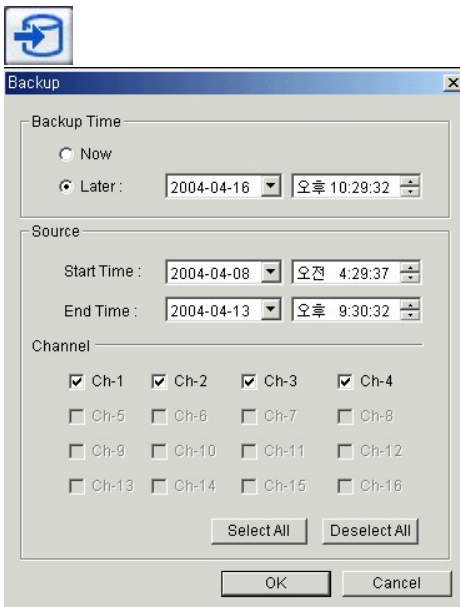


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### 2.3 SEARCH Option



① Backup – Backup Image from Server to Remote PC



- Backup Time : Designate Backup Time (Now or Later)
- Designate Backup Date & Time when Later

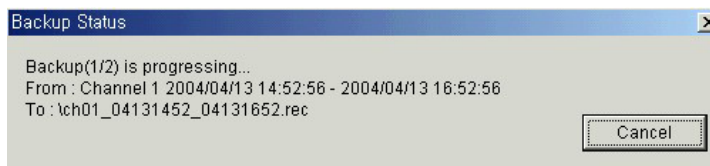
- Source : 

Start Time :	2004-04-12	오후 7:50:25
End Time :	2004-04-15	오전 4:42:22

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

- Channel : Check Camera Channel for Backup
- Select All  
Deselect All

• Press OK to Open Backup Status & Start Backup.



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



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### 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 Present Playing Video Camera Channel No.

Camera No. 2

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

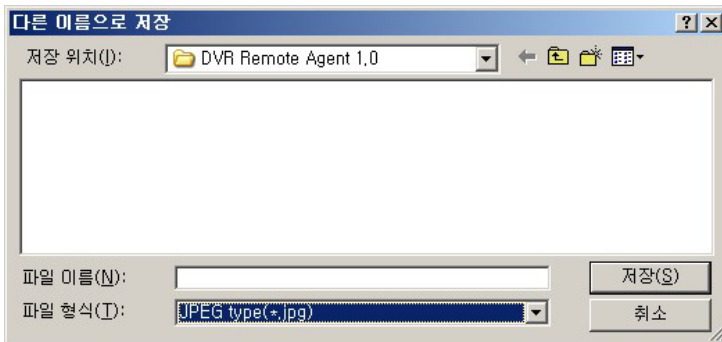
⑤ Search Controller, the Same Way of Previous Search

## Tip

- Backup Play Setup in Search Mode is the Same as DVR Player, so it can be Run Independently without Running Remote Program.

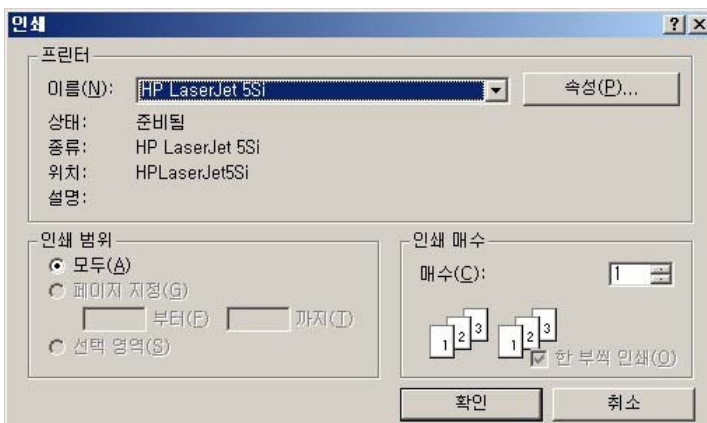
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### ③ Save Image – Capture Image & Saving Image at Hard Disk or Removable Disk



- 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

### ③ Print Image – Present Image Capture and Print Out Image

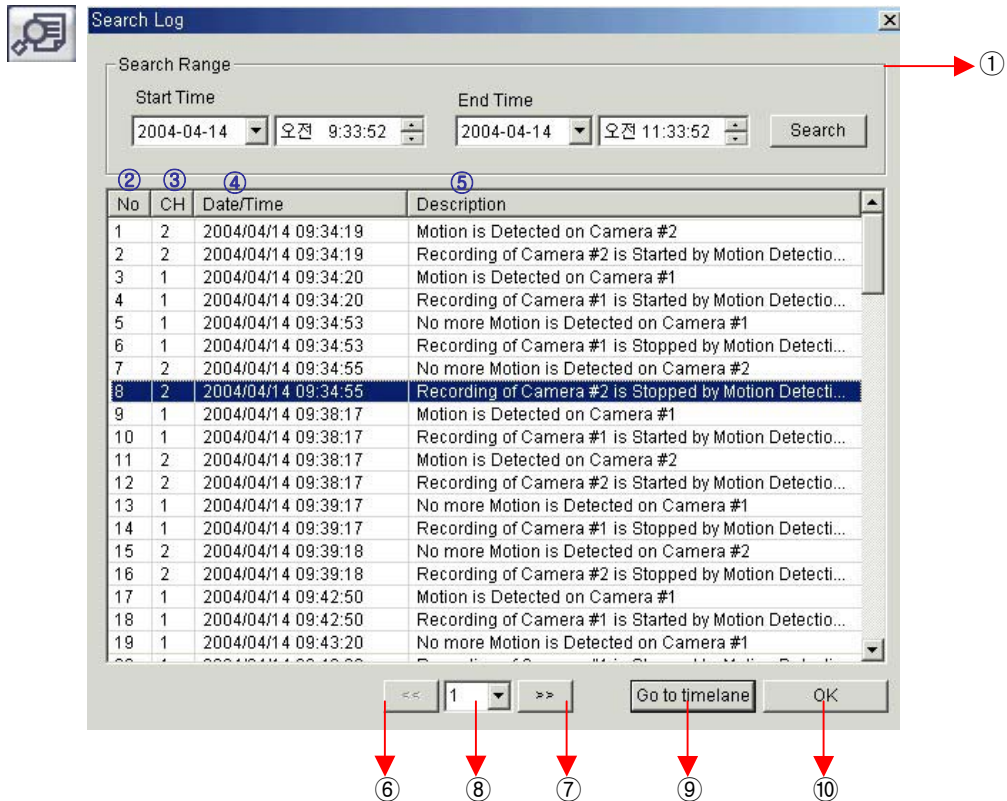


- During Play Video, Click 'Print Image'
- After Selecting Printer, Start Image Printing
- Print Out Remote Viewer Image



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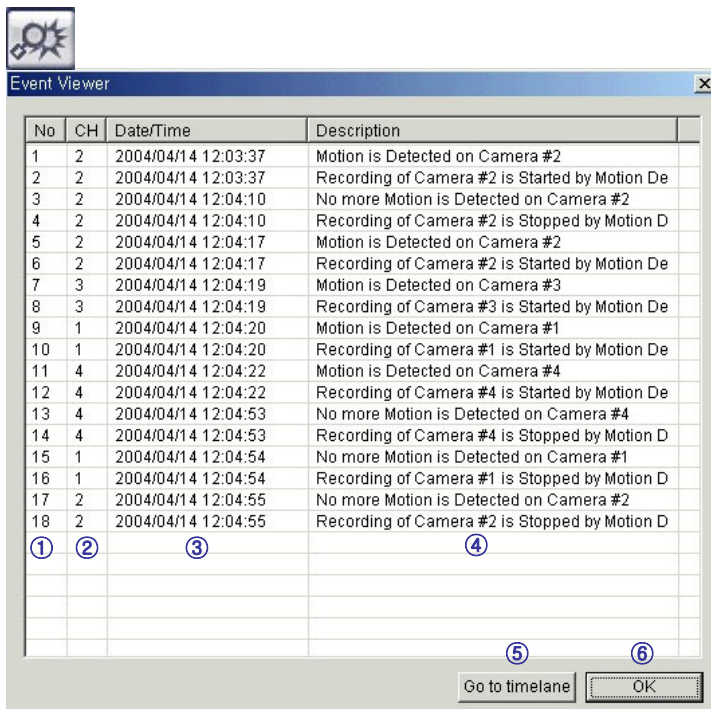
### ③ Log Search – Find Video Centering around Event Log at Server



- 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 Indicate Event Log Order No. ( Max Event Log No. of 1 Page is 100 )
- ③ Indicate Event Occurred Camera No.
- ④ Indicate Event Occurred Time & Date
- ⑤ Indicate Event Detail Description
- ⑥ Move to Previous Page
- ⑦ Move to Next Page
- ⑧ Move to User Select Page
- ⑨ After Select Event, Move Search Bar in Search Mode
- ⑩ Return to Search Main to Play Event Image

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### ④ Event Viewer – Showing Present Event in Server & Find Image



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

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### 3.Setting



**Settings**

**Connection**

Server List

Name	IP Address	Port	ID
cgs94	211.192.244.32	6100	NE...

Name:  New

IP Address:  Add

Port:  6100 Mod

ID:  NETWORK Remo

Password:

**Options**

Screen Switching Interval :  5 sec

☒ Receive Event

☒ System ☒ HDD ☒ Alarm

☒ Video ☒ REC

☒ OSD Display

☒ Name ☒ Date ☒ Resolution

Saving Directory :  C:\Program Files\DVR Remote Agent 1.0 ...

Apply OK Cancel

#### 3.1 Connection ID Setup

- ① ID Status : Indicate Present Saving ID & ID Information
- ② Input Name to Add or Amend ID
- ③ Input IP Address to Add or Amend Server
- ④ Indicate Port No.
- ⑤ Input ID for Connecting Server
- ⑥ Input Password for Connecting Server
- ⑦ Click to Input New ID Information
- ⑧ After Input All ID Information, Add ID Information at ID Status
- ⑨ After Amend All ID Information, Applying Change ID Information
- ⑩ Selected ID Delete at ID Status

### Tip

- Initial ID & Password is 'NETWORK' & '1234'

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### 3.2 Option Setting

- ① Control Screen Rotation Time in Scenario Mode at Watch Mode  
(Possible to Setup from 1~300 sec.)
- ② Possible to Select Event Kind Plurally from Server. Remote Client Only can See Selected Event.  
(System, HDD, Alarm, Video, REC)
- ③ Setup Print-Out Image of Information Display from Server (Name, Date, Resolution)
- ④ Designate Backup Image Saving Folder at Remote PC

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E-MAIL Address : [sales@digi-flower.com](mailto:sales@digi-flower.com)