DIGITAL VIDEO RECORDER SYSTEM

AnyKeeper™ USER MANUAL

TechData

Product Information

1. Specification

Features	AnyKeeper-2004	AnyKeeper-2008	AnyKeeper-2516
Camera Input	4 channels	8 channels	16 channels
Display Speed	120 fps	120 fps	480 fps
Recording Speed	120 fps	120fps	120fps
Video Partition	1,4 splits	1,4,7,9 splits	1,4,7,9,13,16 splits
monitor output	RGB(VGA), Composite	RGB(VGA), Composite	RGB(VGA), Composite, SVHS
Sensor input	4 channels	16 channels	16 channels
Alarm output	4 channels	8 channels	8 channels

Common Features			
Video Resolution	640 x 480, 640 x 240, 320 x 240		
Quality Control	5 Levels of controlling		
Size of image	2-4KB(320x240, Medium Level)		
Video Compression	H.263 Compression Algorithm		
Screen switching	1 - 10 seconds		
Output resolution	Over 400 TV Line (I screen)		
PlayBack Display	Multiple camera views on the screen simultaneously		
Web Camera support	Local / Web camera		
Network	LAN, Cable Modem, ISDN, PTSN, PPP(Dial up)		
Alarm output time	1 second - unlimted time selection		
Motion Detection	5 Types of sensors		
Power tolerance	Supported		
Auto-detection	Supported		
Data Back-up	DVD, JAZ, Network Drive		
Audio input	4 channels		
Audio compression	H.723-1		
Remote control	RS232C (PAN/Tilt/Zoom/IRIS)		

AnyKeeper™

2. System requirements

- O/S : Microsoft Windows 98 , ME, 2000

- CPU : Intel Pentium Ⅲ 500MHz or higher

- RAM : 128MB or higher

- VGA : ATI Compatible AGP Graphic Card, VIP(Video Input Port) Existence

- Resolution : 1024 × 768, 32bit Color

- HDD : 30GB or greater

- Backup Storage : CD R/W, Tape Backup System, DVD-RAM, etc

- S/W : Direct X 8.0 or later

- Driver : DVR Driver

3. DVR System Structure

DVR System User Manual	Manual	Included
DVR System Capture Board		Included
DVR System Cables		Included
DVR System Back Panel		Included (2008, 2016,2516 only)
	Input/output Audio	Included(2004 only)
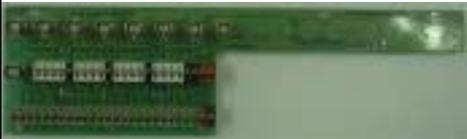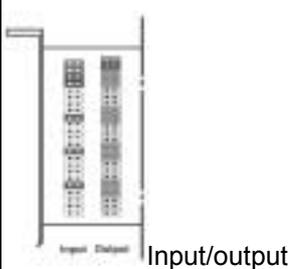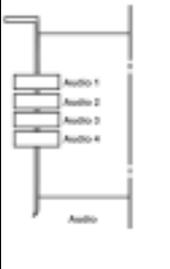
AnyKeeper™

Optional Devices	Camera	Optional
	Detector	Optional
	Audio Siren	Optional
	Warning Light	Optional

Attention! Before setup :

- Please check the power supply is the correct voltage.

    : Most DVR components use **220V** compliant Power Supply.

- Check system for DVR driver

- Check if **Direct X 8.0 (or higher)** is installed

- Remove HDD Automatic Disk clean options

  : Select Drive → Property → Disk Clean → Setup

  → "When there is a shortage of HDD Drive space, do automatic disk clean"

      remove checked option

- Set image resolution to **1024×768** mode & 32bit color

- **Clear setup** of Windows 98 (or higher) before install DVR Board

- **Do Not use VIA Chipset Mainboard** (Optimal condition in Intel 81x series)

- ● Check driver and Anykeeper version.

    : Download newer version on the website   (http://www.anykeeper.com/support_02.html)

AnyKeeper™

DVR system Installation Guide

Open		**Remove back, side screws.**
Install DVR board		**Into PCI slot.**
DIO		**Connecting**
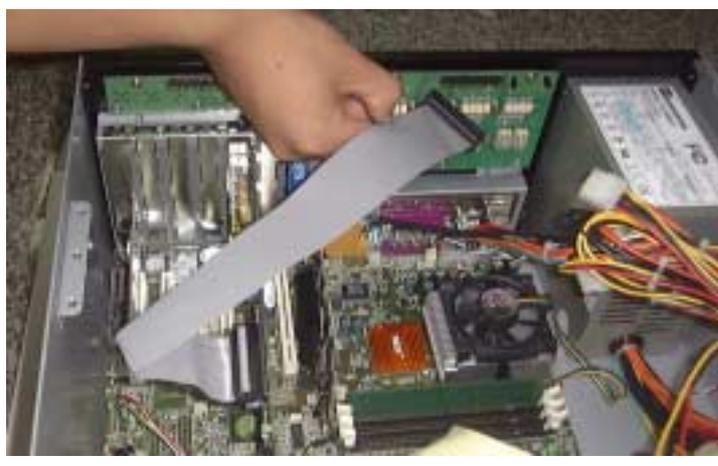
AnyKeeper™
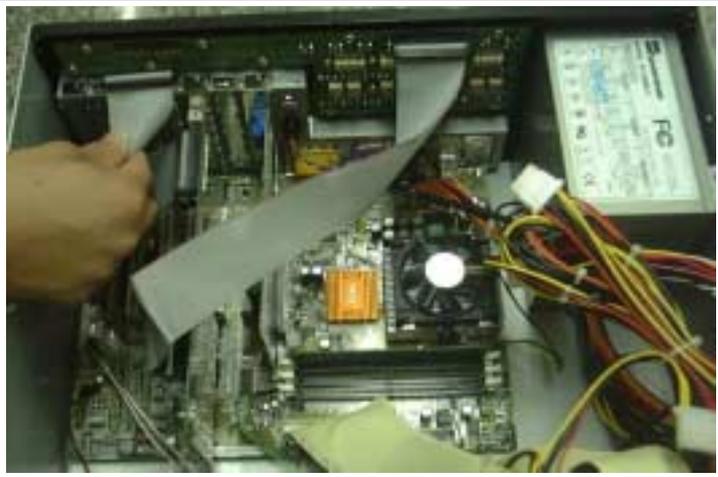
Audio		
Connect **Watch-dog**		
Switch cable **conecting**		
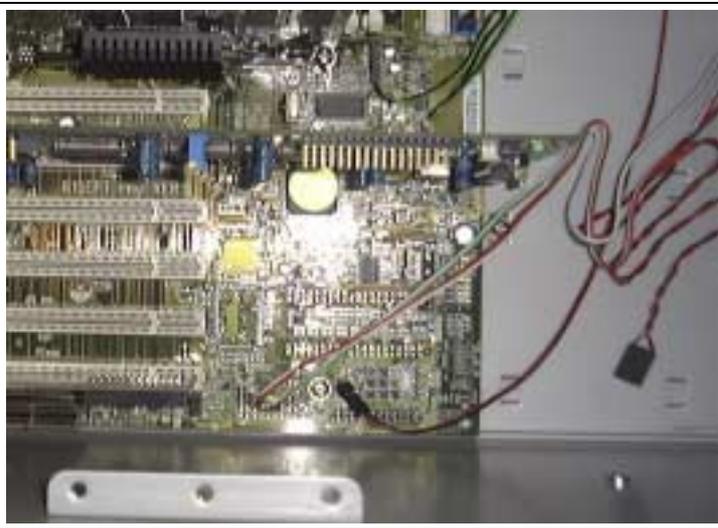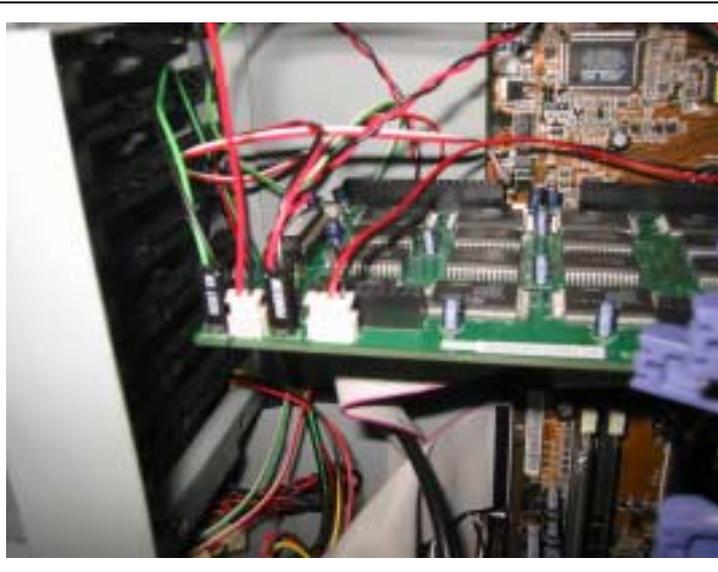
AnyKeeper™

AnyKeeper DVR Hardware Specifications

1. DVR board

- **Anykeeper - 2516**
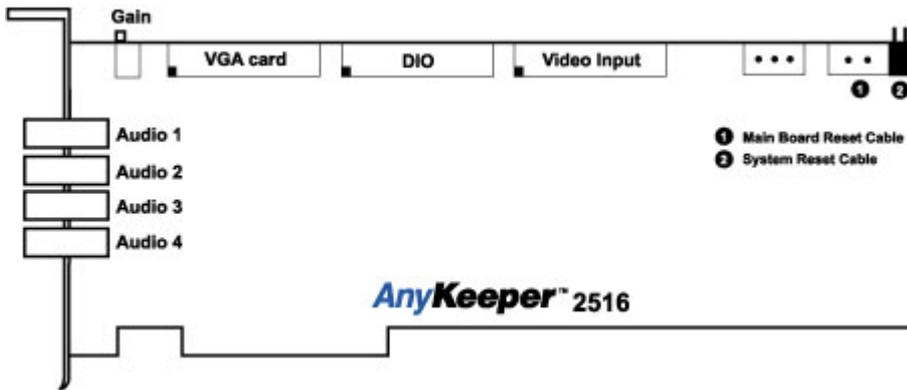
- **AnyKeeper – 2008, 2016**
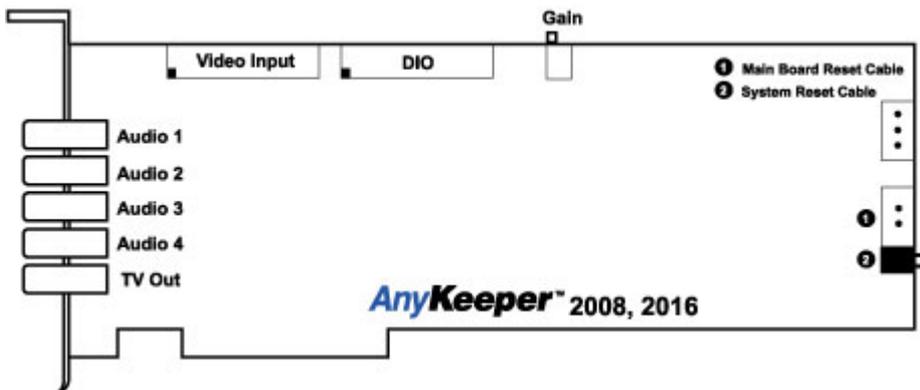
- **AnyKeeper – 2004**
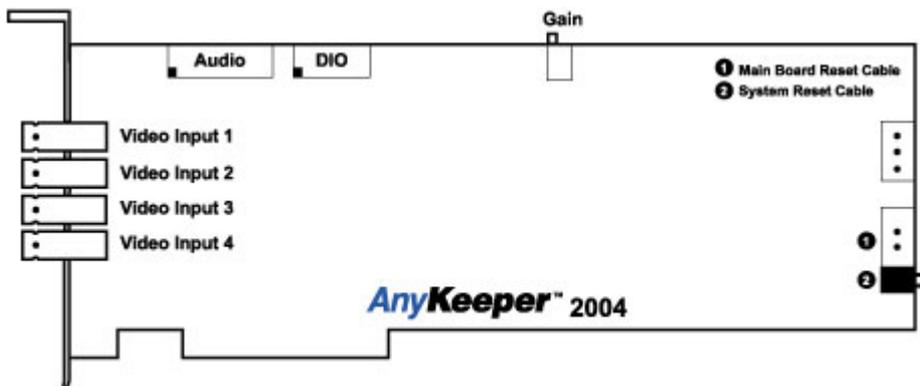
* Audio – 4channels to the microphone
* Gain – Control the display constrast
* VIP Port – Video Input Port(to VGA)
* DIO – Device Input/Output (sensor,alarm etc..)
* TV out – Monitor output
* Video Input – video input connector (to Camera channels)
* System Reset cable/Mainboard Reset Cable

AnyKeeper™

Cable installations

1. DIO Cables
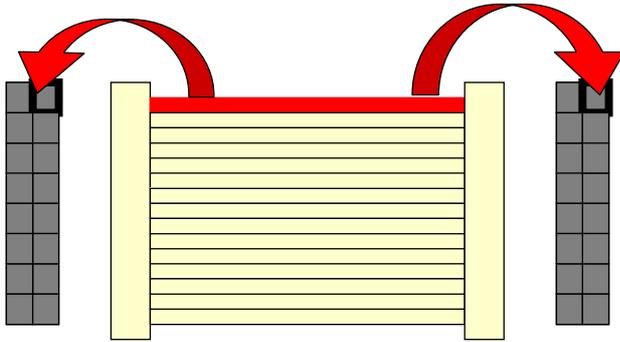
Caution!!

Each cable has a red lane at the edge. It should be connect to connector's white, bold square.

2. Reset Switch Connector

Connect from System reset-switch cable to DVR reset panel

System Reset cable

Reset cable

Reset switch

<DVR 보드>

<Main Board>

AnyKeeper™
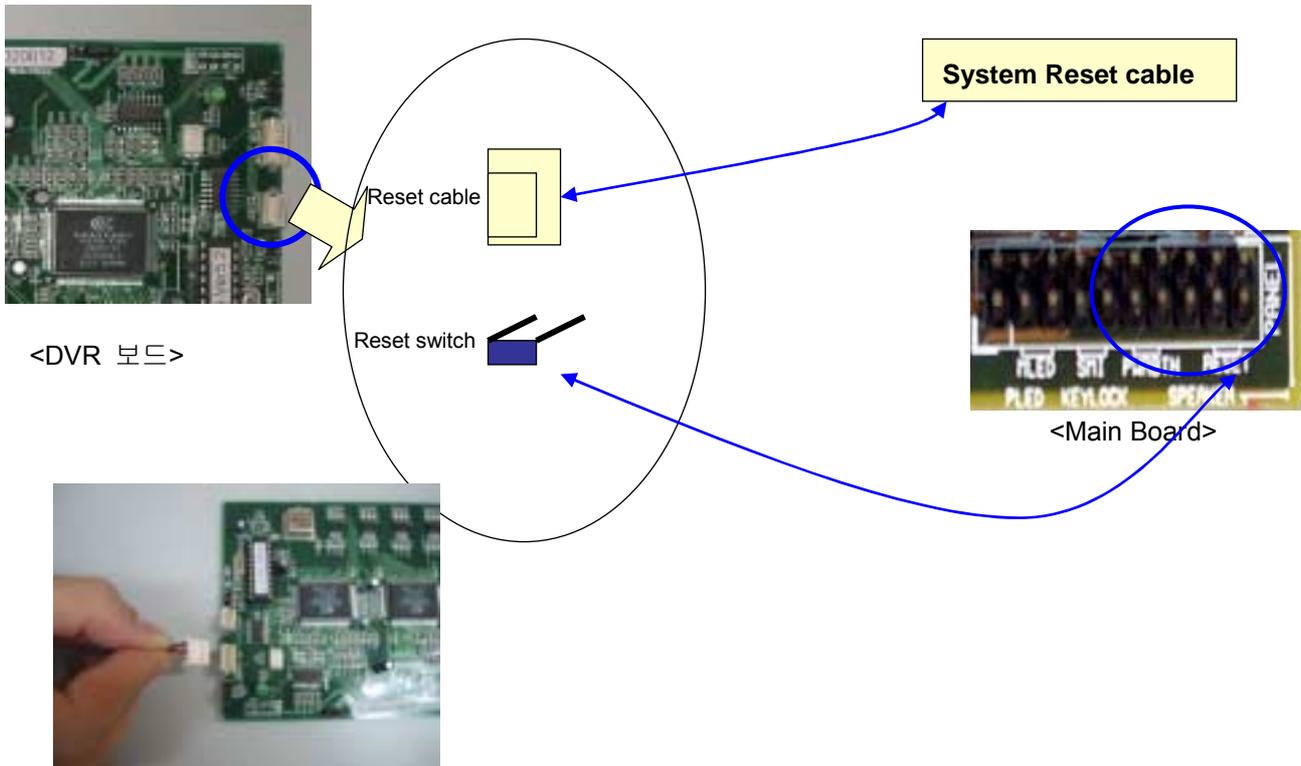
3. Control Gain

Change this gain for display contrast (default manufacture setting is changeable!)

4. Back Panel Setting
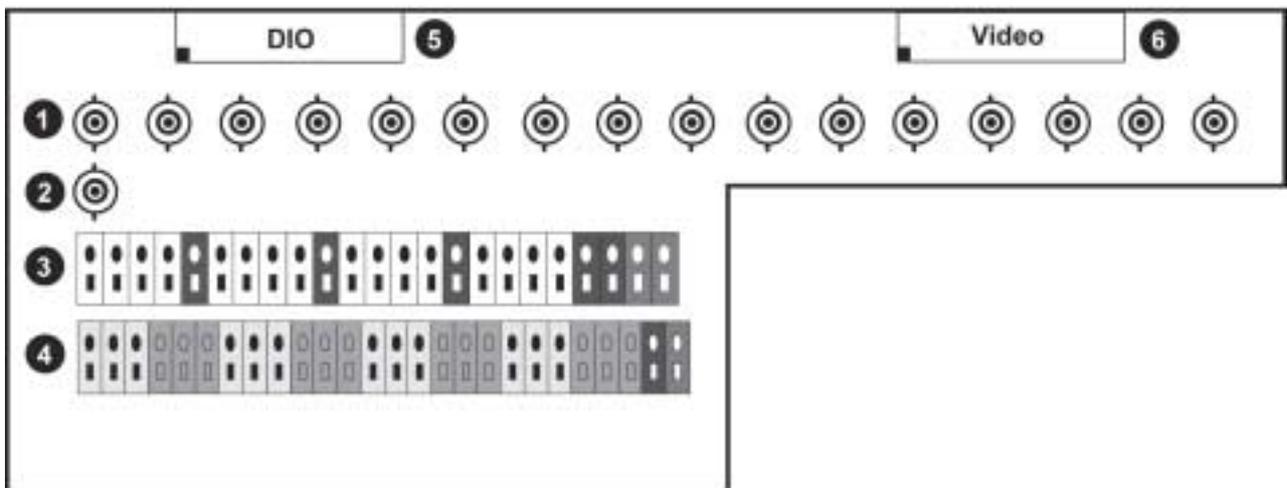
① Camera Input port (2008 2016 2516 only)

② TV monitor Input port

③ Device Input (Infrared Sensor, Heat Detector, Fire Reorganization, etc..)

④ Device Output (Alarm, Alert, Lamp, Door lock, etc..)

⑤ DIO connector (thru DIO cable to DIO port on DVR board)

⑥ Video output (thru cable to VGA port on DVR board)

AnyKeeper™

5. Device Input/Output Connecting

Sensor	To Power Cable S1 S2 S3 S4 G S5 S6 S7 S8 G S9 S10 S11 S12 G S13 S14 S15 S16 EX G GN EX 12V 12V From left side, the number have an arranged 1~16 devices.
Alarm	NC C NO NC C NO NC C NO NC C NO NC C NO NC C NO NC C NO NC C NO 1　2　3　4　5　6　7　8　12V　GRD Output device connection
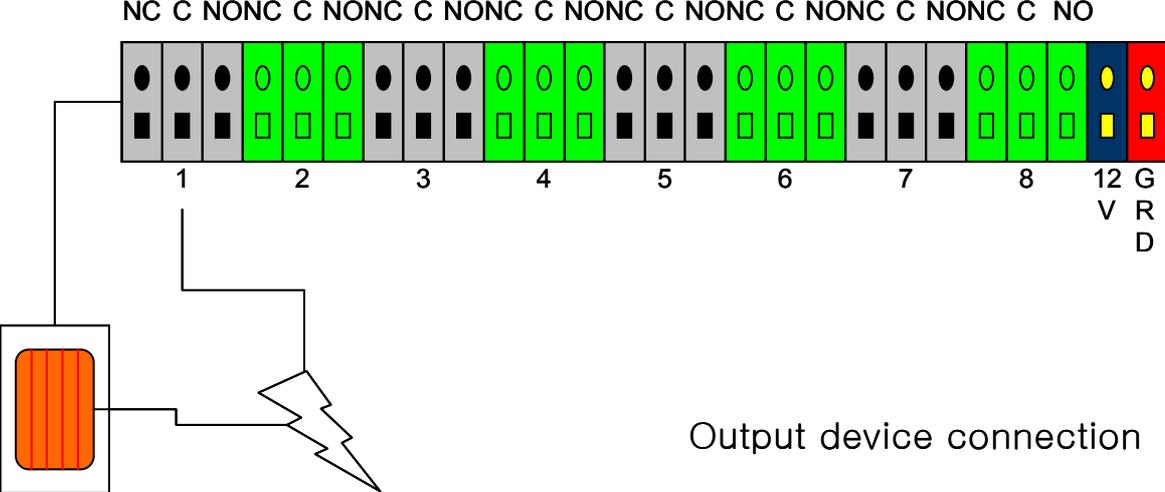
AnyKeeper™
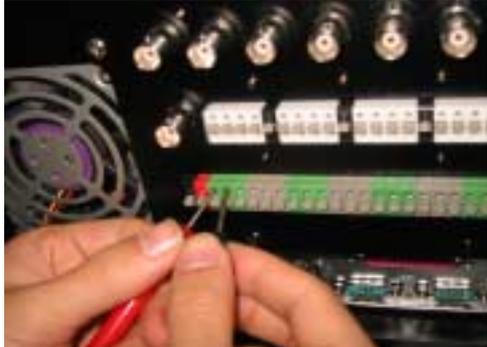
TIP!   JUMPER SETTINGS

1. Basic Settings

Ex) Normal Intel chipset using main board

Except **RESET** switch, All connection will be the same as main board manual settings
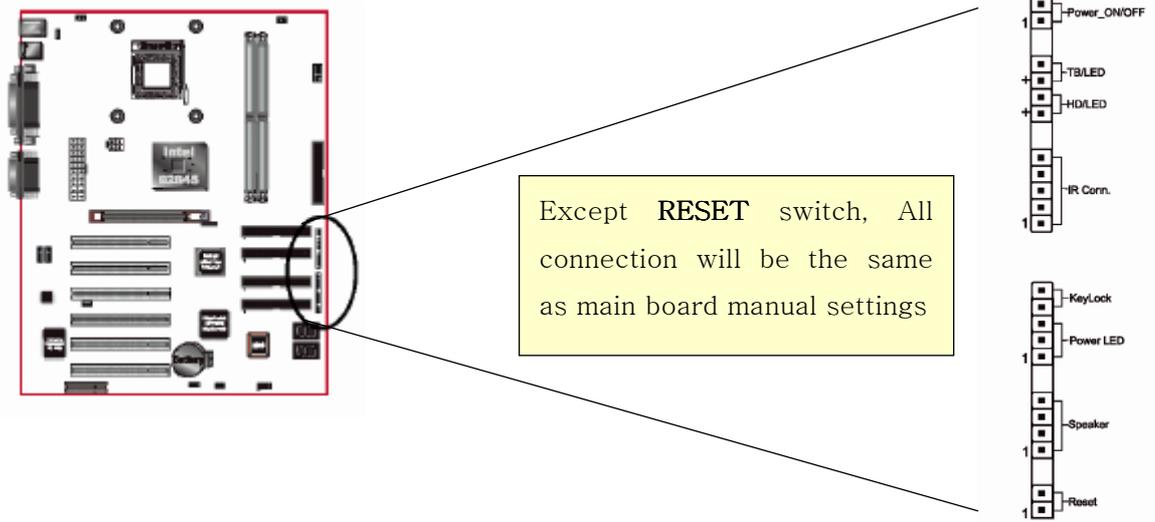
2. Power-On after power-fail
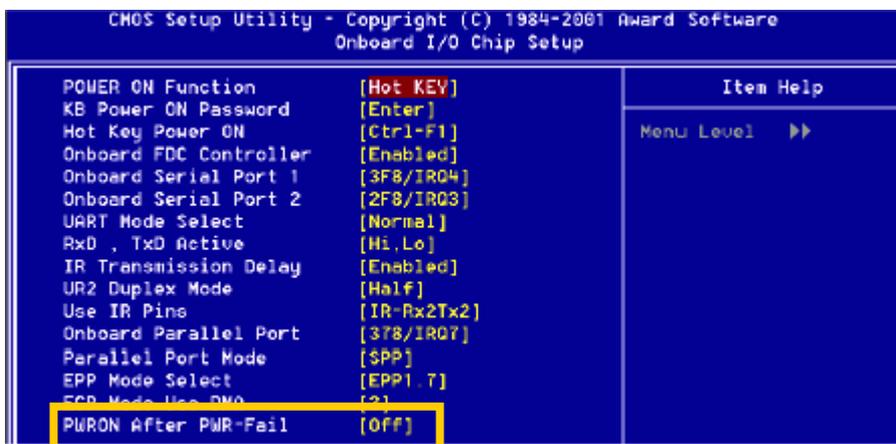
- There is the **PWRON After PWE-Fail** in the BIOS setup. Such function will have the PC system powered on automatically after the power failure.

AnyKeeper™

AnyKeeper Driver Installation Guide

1. AnyKeeper installation

- With computer turned off, install Anykeeper DVR Board in any PCI slot.

- Power On and start with Windows 98 (or higher)

- Anykeeper supports PnP, the system will detect DVR board as a PCI multimedia Device as shown below (in windows 2000)

- found New Hardware

- Click NEXT to continue

- Search for a suitable driver for device (recommended)

AnyKeeper™

- Click Next to continue

- check Specify a location (for forwarding to driver folder)
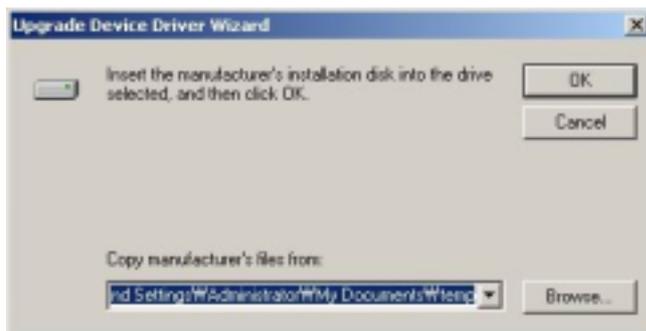
- The driver for Anykeeper is in the directory "c:\dvrdrv"
- Before installing, extract DVR drivers in c:\dvrdrv
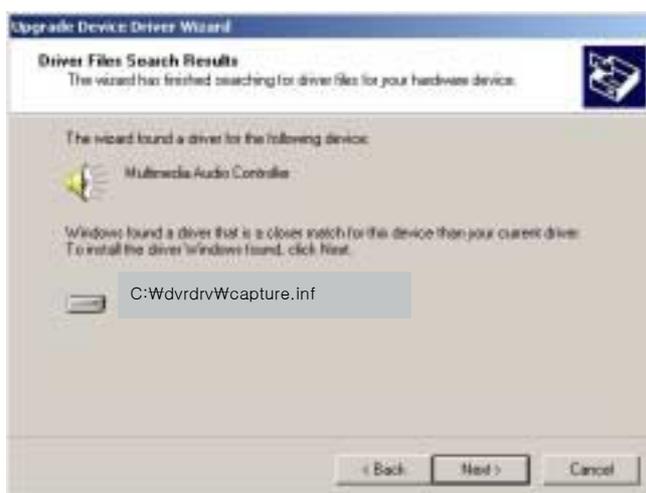
- It will display "Capture board....." in sound, video and game controllers of your system
- Click Next to continue

AnyKeeper™

- Click "finish"
- After installing DVR board in your system, please restart.

Attention :

First of all, before reinstall the driver for DVR, delete existing two driver files as below,

Files are on C:\winnt (or windows)\system32\drivers\ [cap01.sys & cap02.sys]

If the DVR board is already installed, occasionally the driver will need to be reinstalled manually.

In this case, update the following way: [Control panel]-[System]-[Device manager],

Click "Reinstall Driver…."

Then follow the same method as above.

Any Keeper™

DVR Software Installation

1. Setup

1-1. Insert DVR Application Disk in Floppy Drive or CD-ROM, Network…

1-2. Double Click on Install file
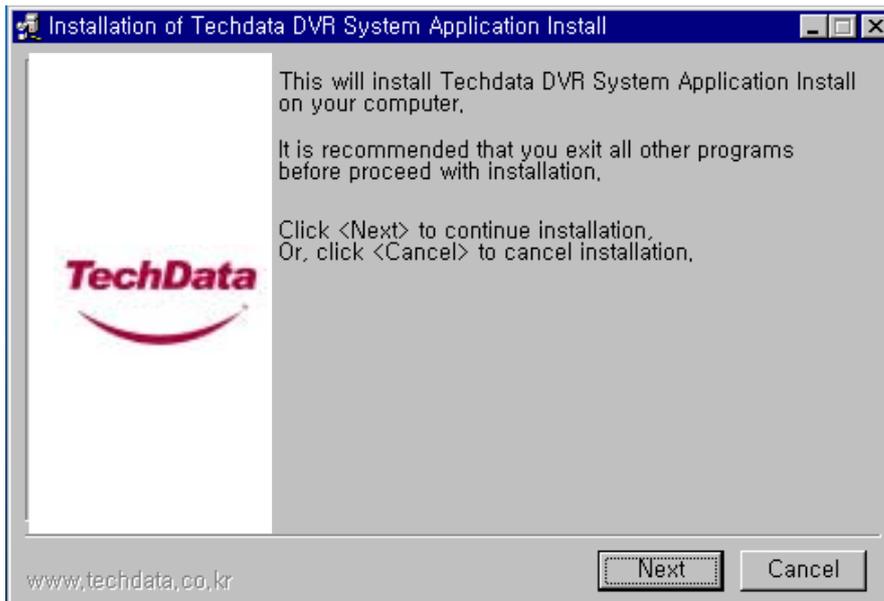
1-3. Choose the folder you wish to install this software to and click "Install"
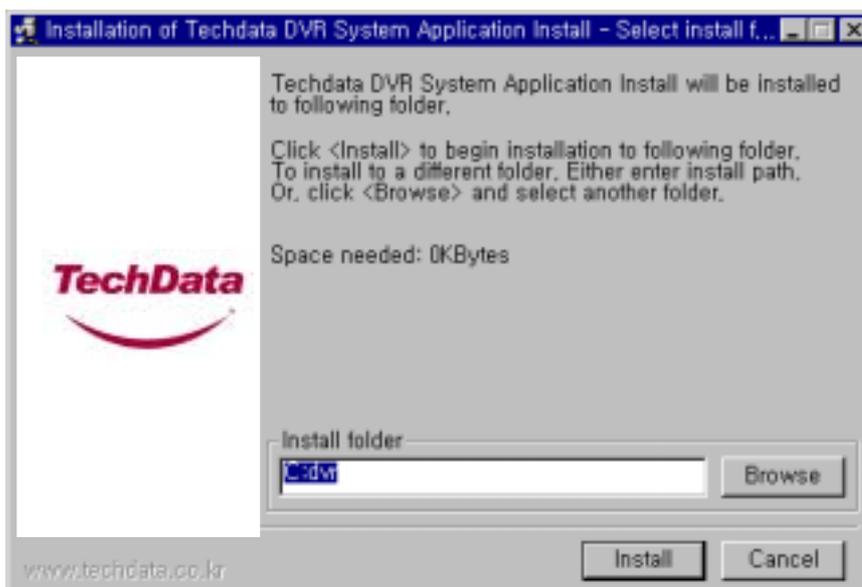
1-4. setup complete and system reboot

AnyKeeper™

1-5. Click "Abort" to cancel installation
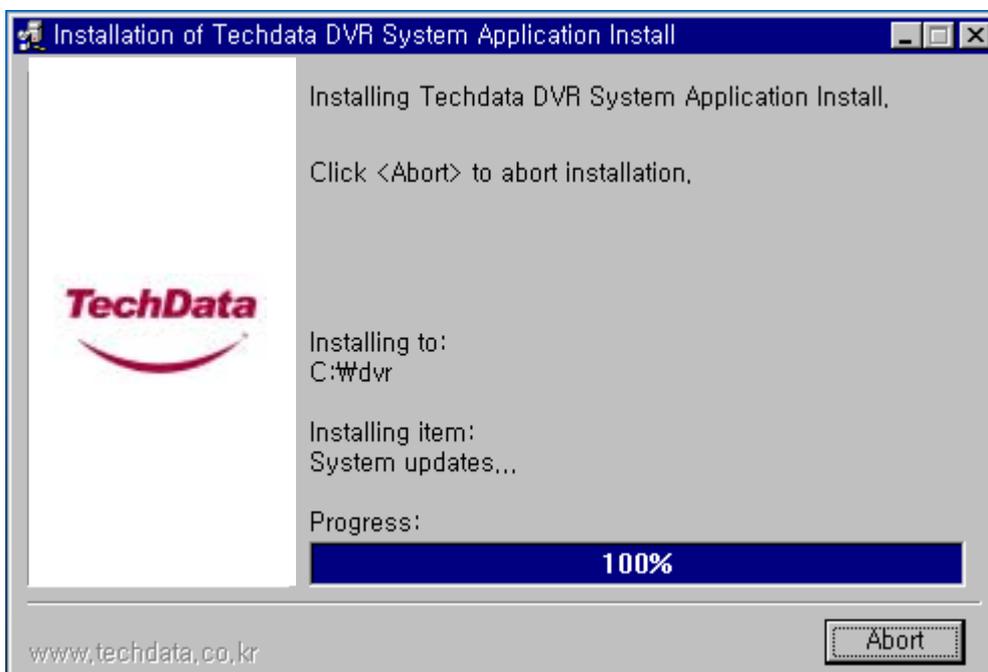
1-6. Installation is complete
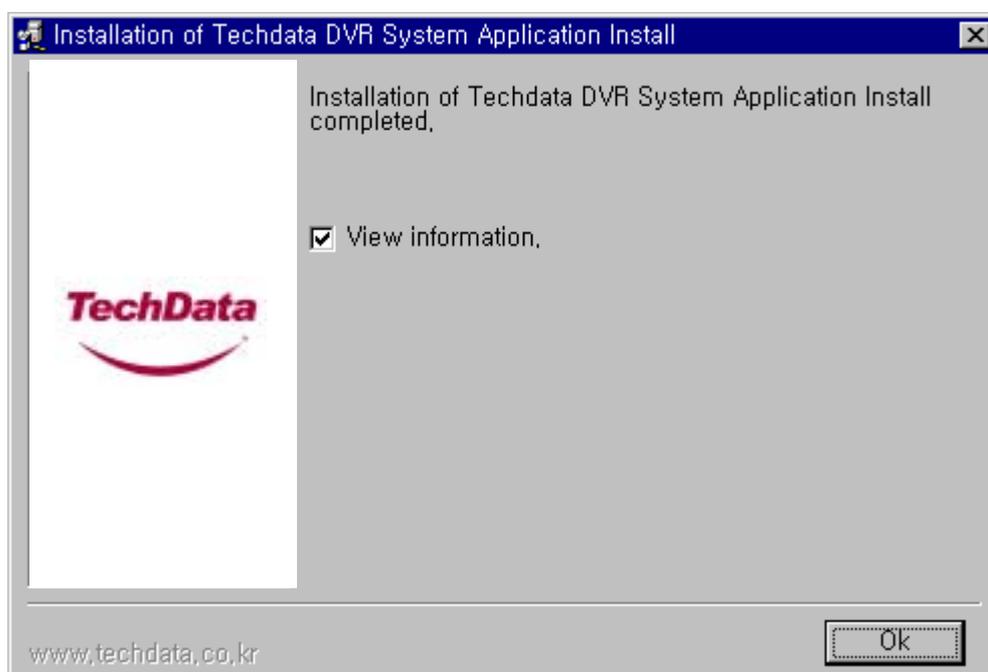
1-7. Run DVR Application software

1-8. Check that the DVR System menu appears on the Program menu

1-9. Check that the DVR System icon appears on the Start Program

AnyKeeper™

1-10. Software installation has been completed successfully

1-11. Remove Install disk

2. DVR software Reinstall

2-1. Pay attention when deleting data files during program reinstallation
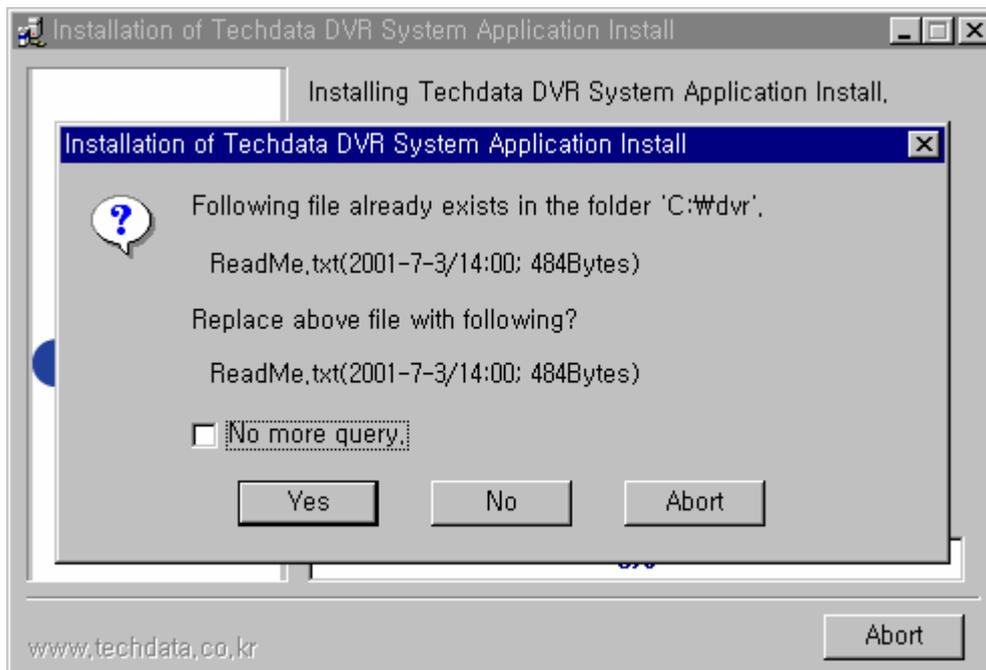
2-2. Previous data files will be removed automatically if "No more Query" is selected

2-3. Follow the steps for initial installation to complete the process

AnyKeeper™

3. DVR Software Uninstall

3-1 Run Uninstall in the DVR system Folder

3-2. Click "Yes" to uninstall
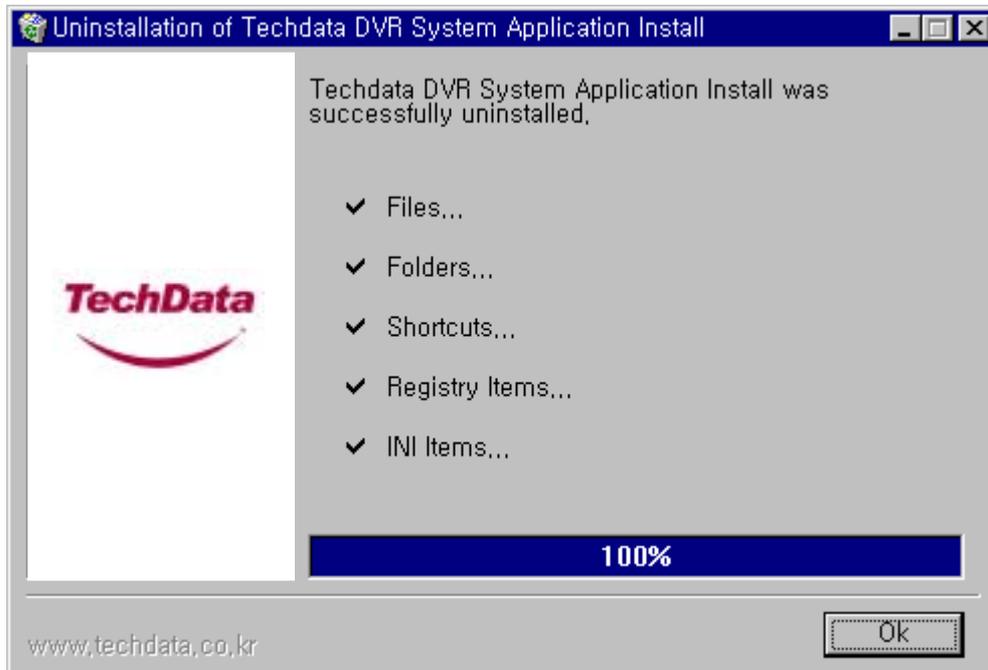
3-3. Click "Ok"

3-4. The software has been successfully uninstalled

AnyKeeper™

DVR Control Panel

1. Information: displays date & other system information
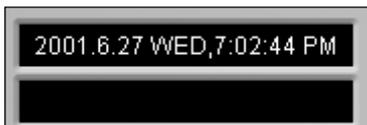
2. Access : control recording, motion sensors, alarms, setup, network, and Web-Cam

2-1. Record : Recording status

2-2. Motion : Motion detection status

2-3. Alarm : Alarm status

2-4. Setup : configure system settings

2-5. Network : To access network

2-6. WebCam : Configure Web-Cam settings(still not supported)

AnyKeeper™
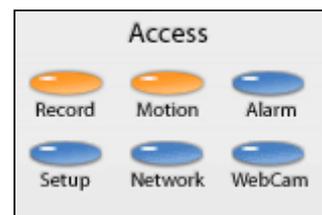
3. Adjust: adjust the color and brightness settings

3-1. Brightness: adjust Brightness

3-2. Contrast: adjust Contrast.

3-3. Saturation: Control degree of difference from a gray of the same

lightness or brightness.

3-4. Hue: adjust Hue

※Hue : The property of colors by white they can be perceived as

ranging from red through yellow, green, and blue, as determined

by the dominant wavelength of the light

3-5. Default: restores settings to default setup mode

※ only applies to the selected camera

4. PTZ : adjust Pan / Tilt / Zoom for the selected camera

4-1. Zoom: select Zoom In or Out

4-2. IRIS: select IRIS In or Out

4-3. FOCUS: select FOCUS In or Out.

4-4. ▲ ▼ ◀ ▶ : select direction

※ only applies t o the selected camera

AnyKeeper™

5. Tabmode : change between system panels
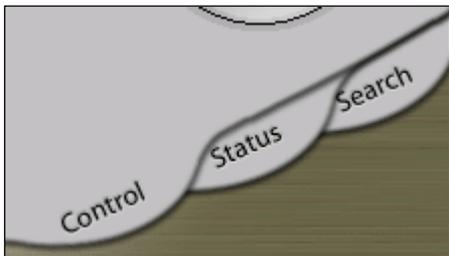
6. Camera Select : select the camera you wish to view or adjust
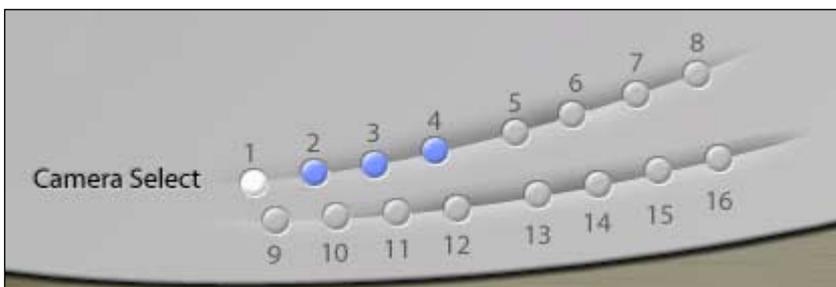
※ only applies to the camera selected

7. Mode Select: control the split screen mode

7-1. Full screen mode: displays full screen

7-2. 1 split mode: display one screen

7-3. 4 splits mode: displays 4 screens

7-4. 7 splits mode: displays 7 screens

7-5. 9 splits mode: displays 9 screens

7-6. 13 splits mode: displays 13 screens

7-7. 16 splits mode: displays 16 screens

7-8. Auto Switching: rotates between split screen modes at a regular interval

AnyKeeper™

8. Power: Close Application
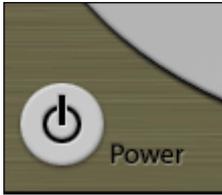
※ To close the application either use the power button or System Shut Down in the Setup mode.

AnyKeeper™

DVR Status Panel
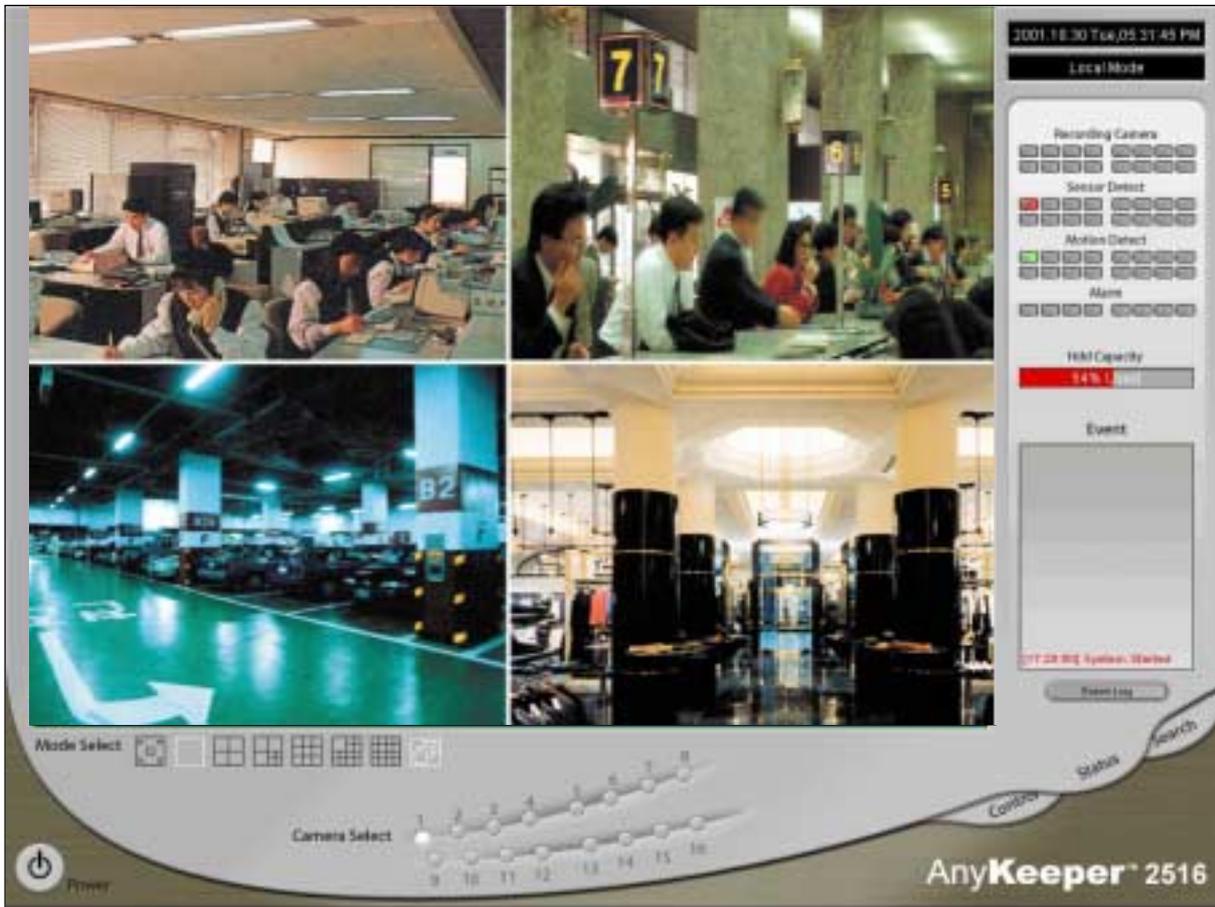
1. Information: displays date & other system information

2. Recording Camera: display the status of each camera

2-1. Gray : indicates an inert camera

2-2. Green : indicates an active camera

AnyKeeper™

2-3. Red : indicates a camera is recording

※ Indicator lights start at camera 1and move to the right then down to camera 16

3. Sensor Detect: displays the status of detection sensors
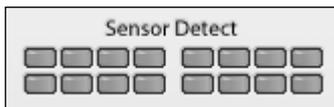
3-1. Gray : indicates an inert sensor

3-2. Green : indicates an active sensor

3-3. Red : indicates a sensor has been activated

※Indicator lights start at camera 1and move to the right then down to camera 16

4. Motion Detect: displays the status of motion sensors

4-1. Gray: indicates an inert motion sensor

4-2. Green: indicates an active motion sensor

4-3. Red: indicates a sensor has been activated

※Indicator lights start at camera 1and move to the right then down to camera 16

5. Alarm: displays the status of Alarms

5-1. Gray : indicates an inert alarm

5-2. Green : indicates an active alarm

5-3. Red : indicates an alarm has been activated

※Indicator lights start at alarm 1 and move to the right to alarm 8

6. HDD Capacity: displays current HDD capacity

AnyKeeper™
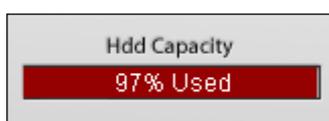
7. Event: displays information for each event in the system as hey occur

Event

[19:02:37] System Started
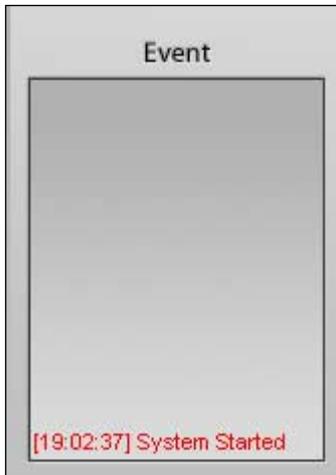
※ displays all system activities

(example: system start, shutdown, recording, alarm activation, etc)

AnyKeeper™

8. Event Log : records all system events
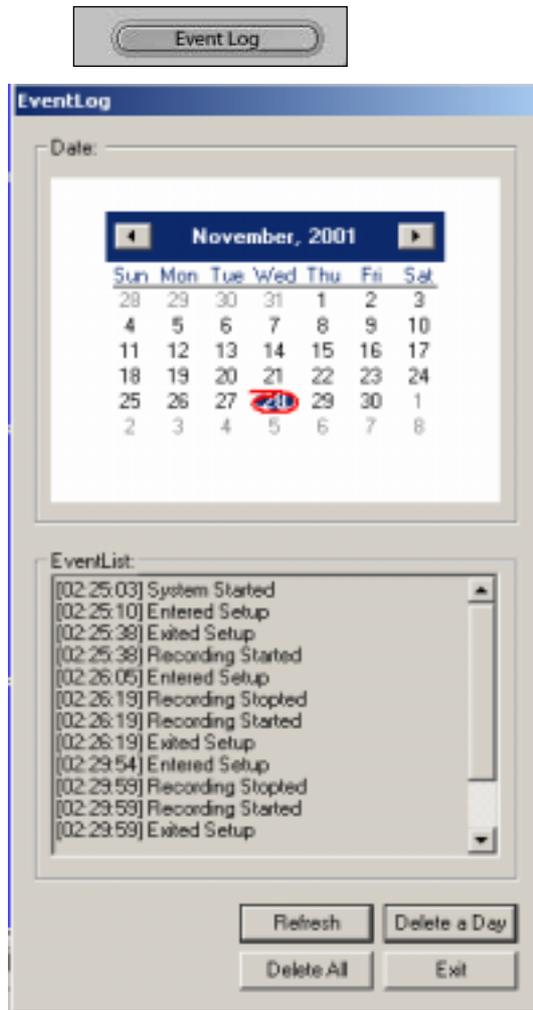
8-1. To open click "Event log"

8-2. Date: select the date you wish to view

8-3. Event List : displays all event information for the selected date

8-4. Refresh : refreshes the screen

8-5. Exit : closes EventLog Dialogue Box

8-6. Delete : delete selected event

8-7. Delete All : delete all events for the selected date

9. Tabmode : change between system panels

AnyKeeper™
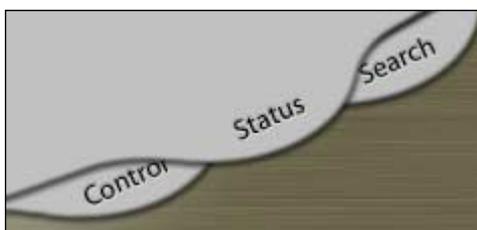
10. Camera Select: select the camera you wish to view or adjust
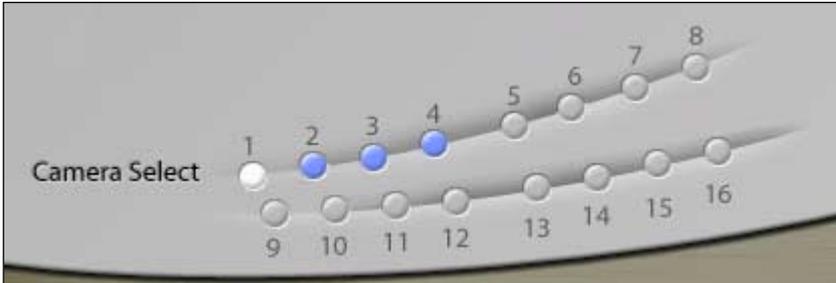
※ view event log for one camera at a time

11. Mode Select: control split screen display

11-1. Fullscreen mode: displays full screen mode

11-2. 1 split mode: displays one screen

11-3. 4 splits mode: displays 4 screens

11-4. 7 splits mode: displays 7 screens

11-5. 9 splits mode: displays 9 screens

11-6. 13 splits mode: displays 13 screens

11-7. 16 splits mode: displays 16 screens

11-8. Auto Switching: rotates between split screen modes at a regular interval

12. Power : Close application

AnyKeeper™
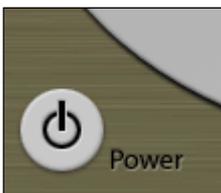
DVR Search Panel

1. Information: displays date & other system information
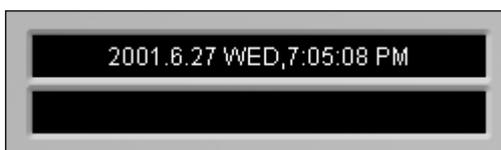
2. Play Control

AnyKeeper™

2-1. ◀◀: Fast backward.

2-2. ◀: Backward

2-3. �: Stop

2-4. ▶: Play

2-5. ▶▶: Fast forward

2-6. ‖◀: move to the start of the recording period

2-7. |◀: move back one frame

2-8. ♠: move the place of event conducting

2-9. ▶|: move forward one frame

2-10. ▶‖ : move to the end of the recording period

3. Zoom & Brightness: control zoom in/out & brightness of recorded images
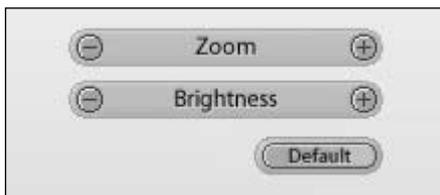
3-1. Zoom : adjust zoom in/out

3-2. Brightness : adjust brightness

3-3. Default : reset to the default settings

4. Zoom & Brightness: edit, save, and print recorded images
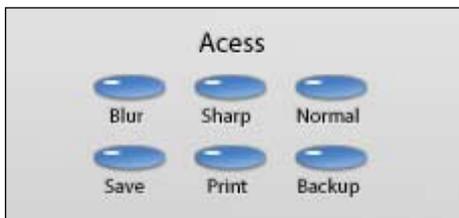
4-1. Blur : soften the selected image

4-2. Sharp : sharpen the selected image

4-3. Normal : reset to the default settings

4-4. Save : save an image as a BMP or AVI file

Any Keeper™

4-5. Print : print out selected image
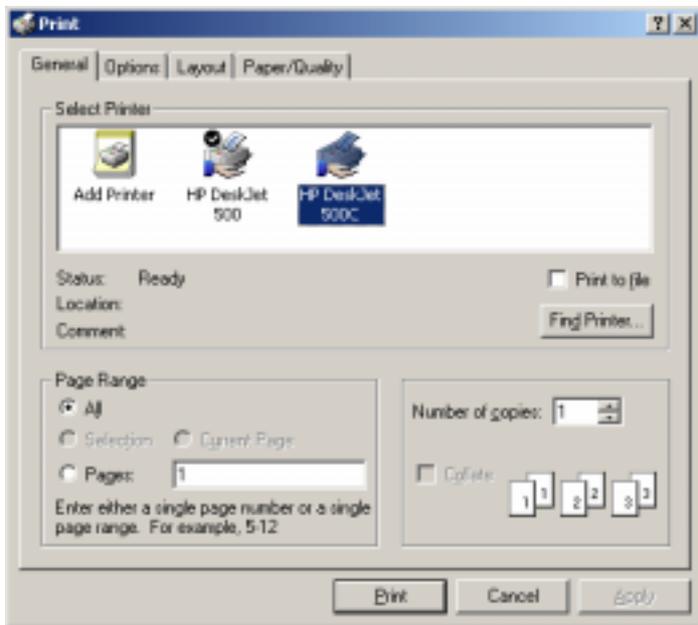
4-6. Backup : backup recorded data to an alternate storage device

AnyKeeper™
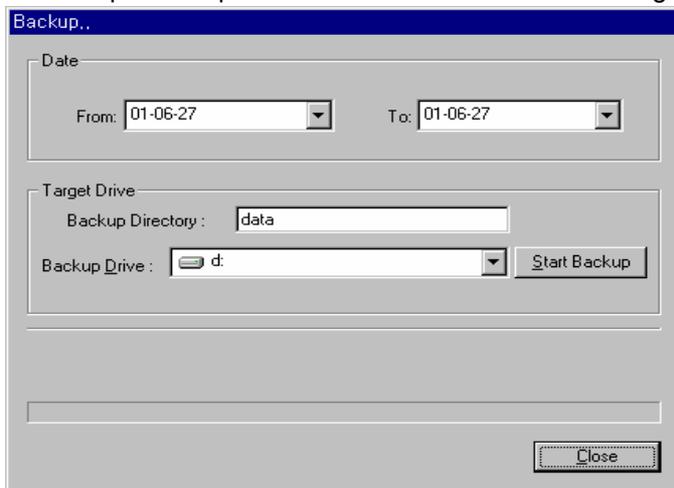
4-6-1. Date : select the period for data to be backed up

4-6-2. Target Drive : select backup drive location

4-6-3. Start Backup : Start Backup

4-6-4. Close : Close Backup

5. BookMark : **make a BookMark of recorded image**
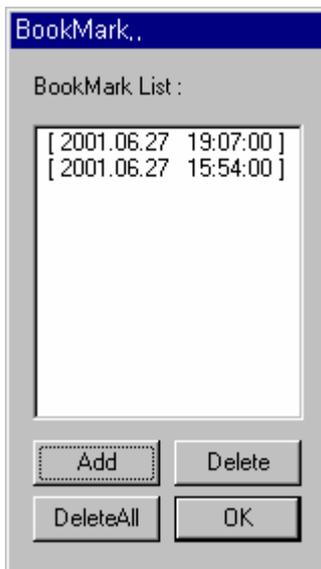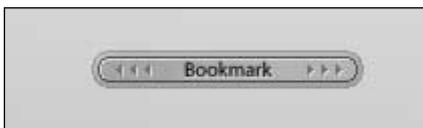
5-1. To Open click "BookMark"

5-2. BookMark List: displays the date and time of the BookMark

5-3. Add: add selected Bookmark

5-4. Delete: deleted selected Bookmark

5-5. Delete All: delete all Bookmarks in the list

5-6. Ok: close the BookMark dialogue box

6. Calendar : **Select a date to view recorded images**

AnyKeeper™

7. Tabmode : change between system panels
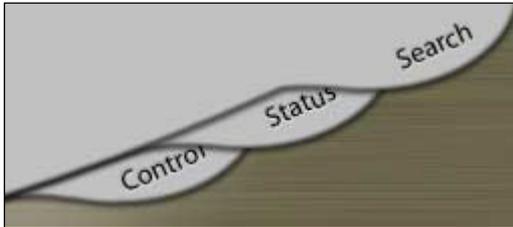
8. TimeBar : display recorded videos for a selected date and time
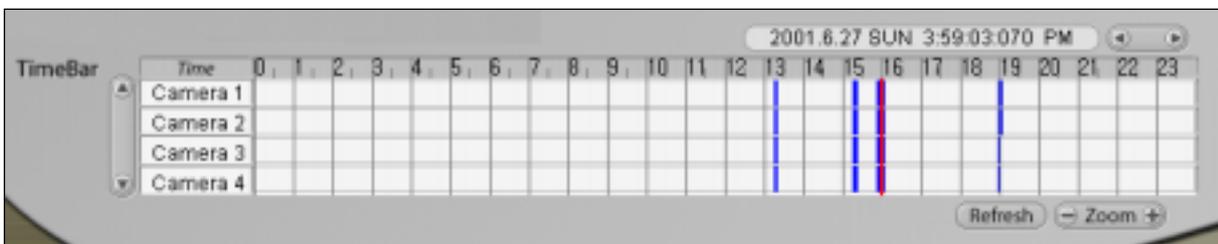
8-1. ▲ ▼ : scroll through cameras

8-2. ◀ ▶ : move forward or backward on the time line

8-3. Zoom : adjust the time intervals for the selected date

8-4. Refresh : refresh the Time Bar

9. Mode Select : control split screen display

9-1. Full screen mode : converts to full screen mode

9-2. 1 split mode : displays 1 screen

9-3. 4 splits mode : displays 4 screens

9-4. 7 splits mode : displays 7 screens

9-5. 9 splits mode : displays 9 screens

9-6. 13 splits mode : displays 13 screens

9-7. 16 splits mode : displays 16 screens

AnyKeeper™

10. Power: Close Application
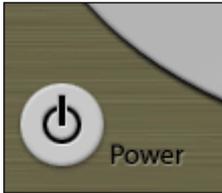
DVR Capture Full Screen Mode
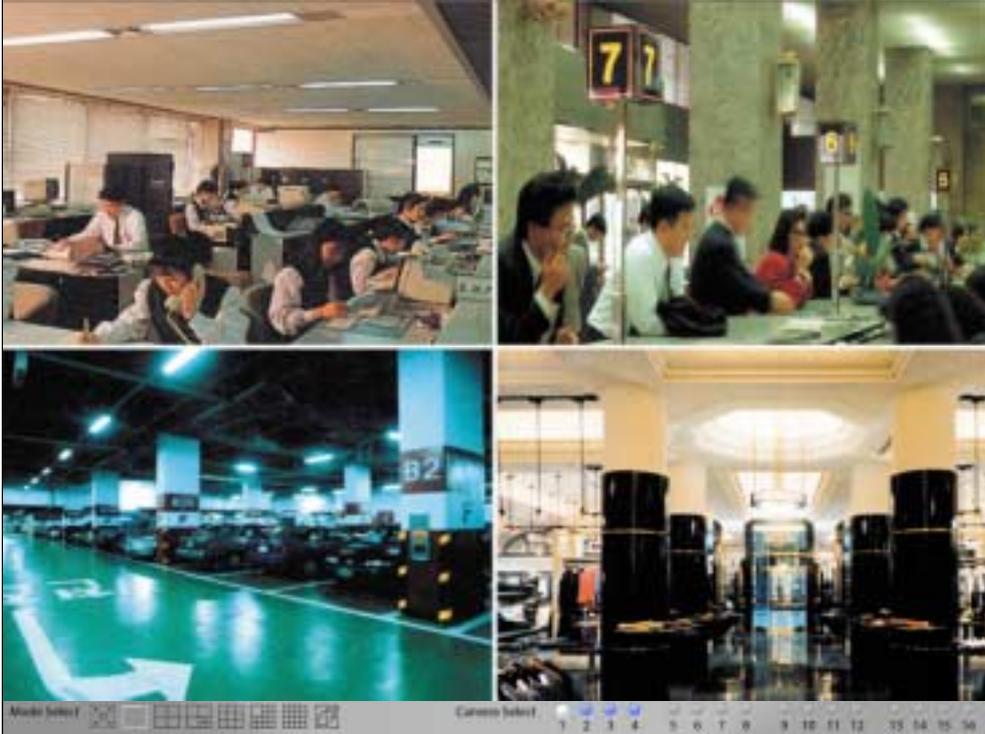
1. Mode Select : Control split screen display

   1-1. Restore mode : converts to previous mode.

   1-2. 1 splits mode : displays 1 screen

   1-3. 4 splits mode : displays 4 screens

   1-4. 7 splits mode : displays 7 screens

   1-5. 9 splits mode : displays 9 screens

   1-6. 13 splits mode : displays 13 screens

   1-7. 16 splits mode : displays 16 screens

   1-8. Auto Switching : rotates between split screen modes at a regular interval

2. Camera Select : Select the camera you wish to view or adjust

   ※ You can only select one camera for full screen mode

AnyKeeper™

DVR Replay Full Screen mode
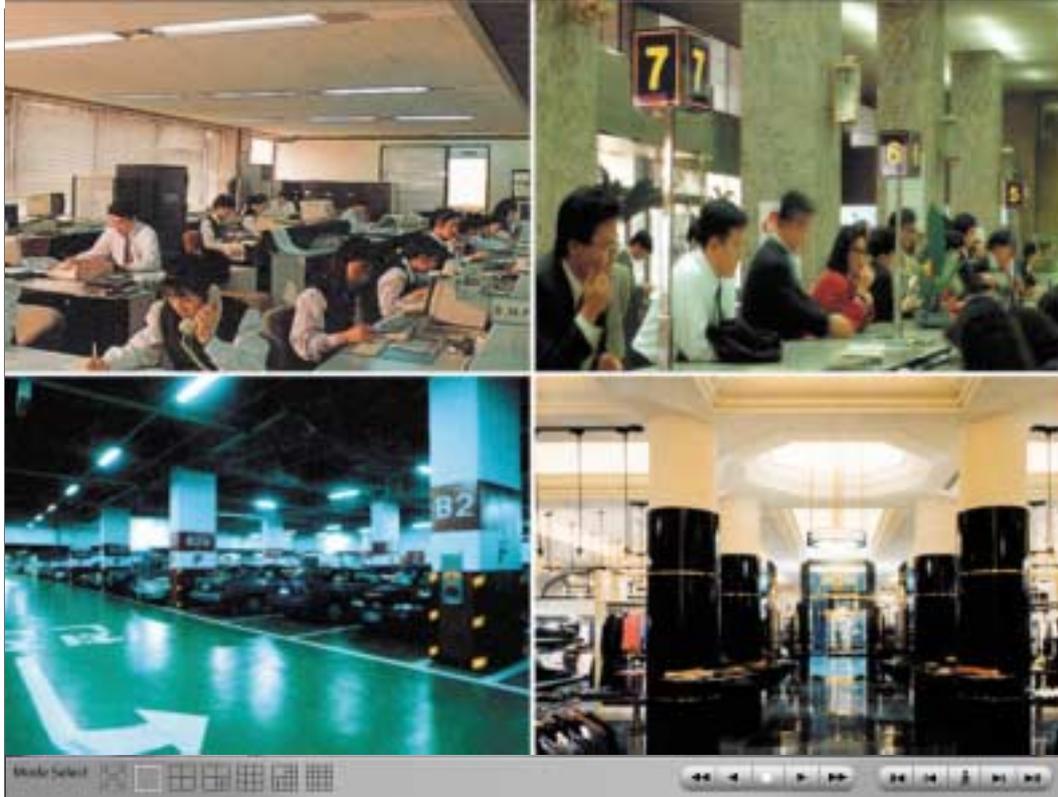
1. Mode Select : control split screen display
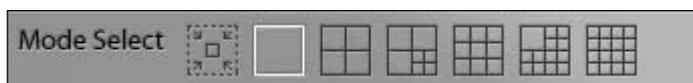
1-1. Restore mode : converts to previous mode

1-2. 1 split mode : displays 1 screen

1-3. 4 splits mode : displays 4 screens

1-4. 7 splits mode : displays 7 screens

1-5. 9 splits mode : displays 9 screens

1-6. 13 splits mode : displays 13 screens

1-7. 16 splits mode : displays 16 screens

AnyKeeper™

2. Play Control

2-1. ◄◄ : Fast backward.

2-2. ◄ : Backward

2-3. � : Stop

2-4. ► : Play

2-5. ►► : Fast forward

2-6. ‖◄ : move to the start of the recording period

2-7. |◄ : move backs one frame

2-8. ♠ : move to the time of the event occurrence

2-9. ►| : move forward one frame

2-10.►‖ : move to the end of the recording period

AnyKeeper™

DVR system Setup mode

1. System Setup
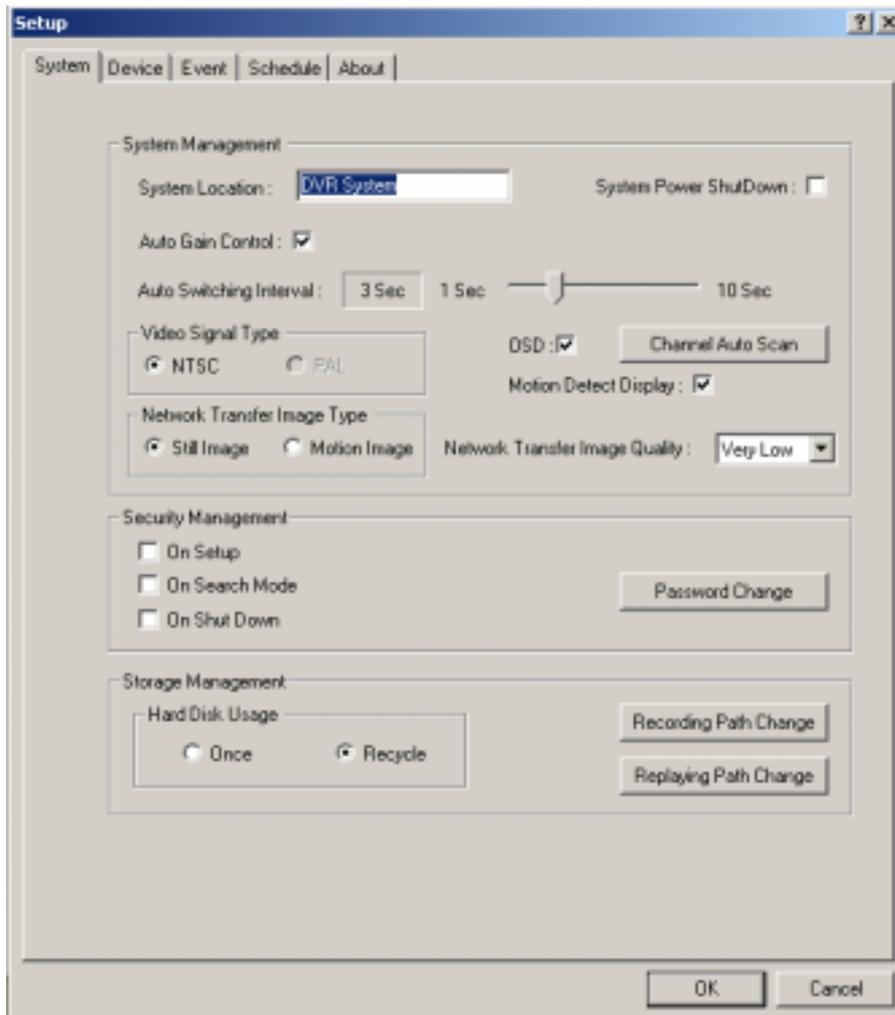
1-1. System location: select the name of the system you wish to use

1-2. Auto Switching Interval: select the time period for auto switching

1-3. Power On/Off: select this option to shut the computer down when closing this application

1-4. Display Channel Text: turn channel information display on/off

1-5. Video Signal Type: select video input signal

1-6. Hard Disk Usage: set HDD user mode

- Once : Write HDD just one time and appear error message

- Recycle : If HDD is getting full, Remove last day data

AnyKeeper™

1-7. Storage Management: select the folder you wish to save , replay data

Recording Path Change	Replaying Path Change
< Exist Disk > < Usable Disk >	< Exist Disk > < Usable Disk >
Disk Drive C Disk Drive E Disk Drive D Disk Drive E	Disk Drive C Disk Drive E Disk Drive D Disk Drive E Disk Drive G
Disk Add Disk Delete	Disk Add Disk Delete
OK Cancel	OK Cancel

      <Recording Path selection>   <Replaying Path selection>
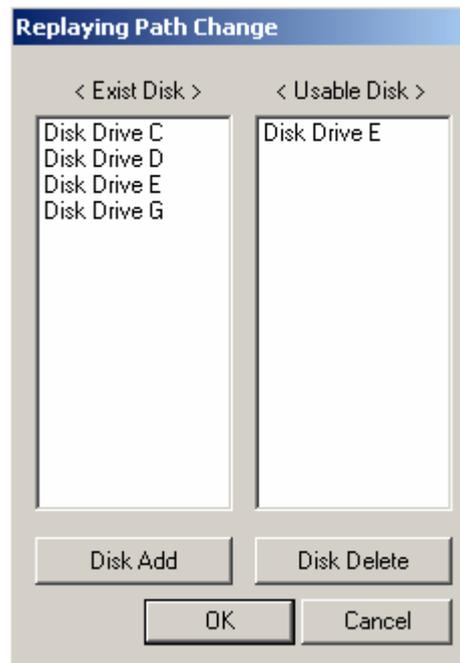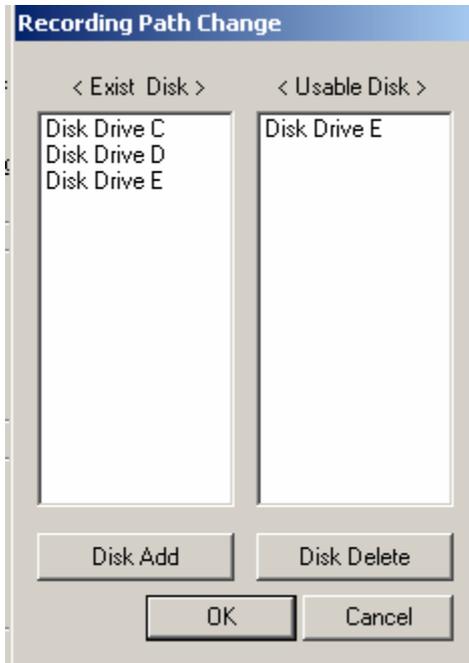
- Forward to capable Hard disk.

- Select Directory Name to make

-

1-8 Network Transfer Image Type

    1-8-1. Still Image: get better quality of image instead of bigger image size

        (Recommended fast link network)

    1-8-2. Motion Image: get smaller size image instead of worse quality image

        (Recommended slow link network)

    1-8-3. Network Transfer Image Quality : to control changing image quality

AnyKeeper™
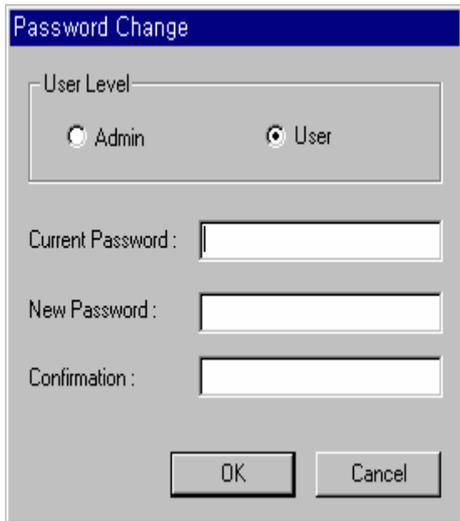
1-9. Set Password

1-9-1. On Setup: confirm Password on setup

1-9-2. On Recoding Stop: confirm Password on recording stop

1-9-3. On Shut Down: confirm Password on system shut down

1-9-4. Change Passwords

1-9-5. User Level: select user level

1-9-6. Current Password: input current password

1-9-7. New Password: input new password

1-9-8. Confirmation: input new password again

1-9-9. Ok

1-9-10. Cancel

2.Device Setup
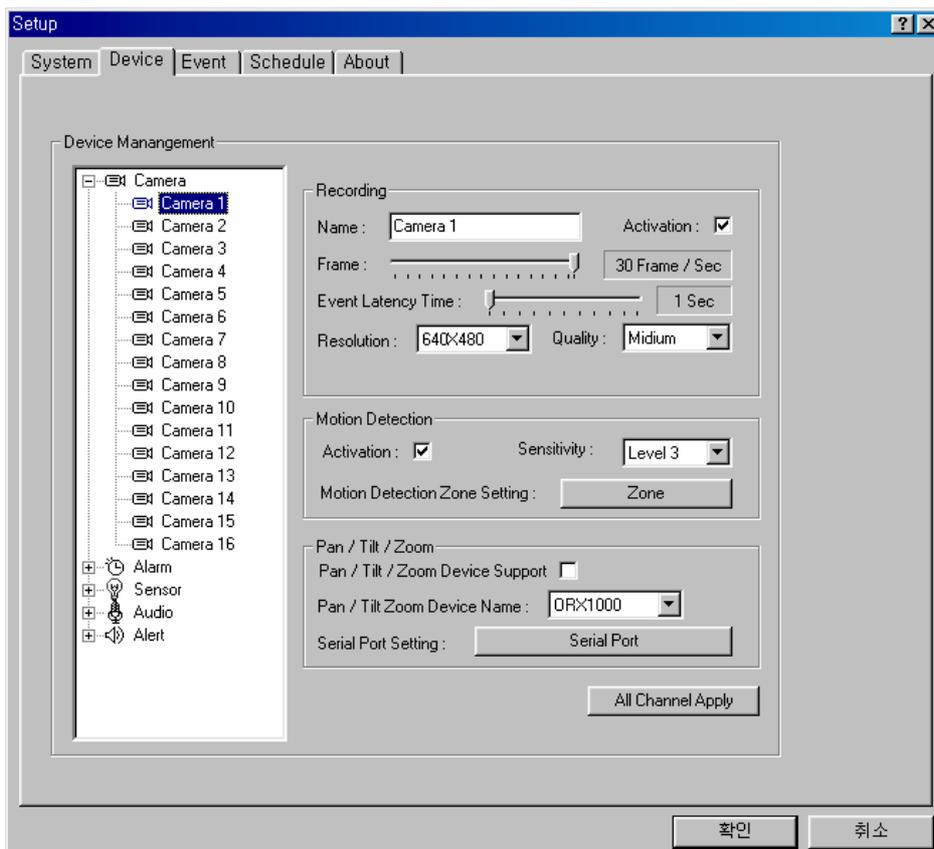
2-1-1. Camera: Select Camera to configure

2-1-2. Activation: set recording to on/off

2-1-3. Resolution: select the desired resolution for each camera

AnyKeeper™

2-1-4. Quality: select the quality require for compressed images

2-1-5. Speed: select the desired recording speed

2-2-1. Motion Activation : set motion detect to on/off

2-2-2. Sensitive: select the desired sensitivity for motion sensors

2-2-3.Zone : select the active detection zone
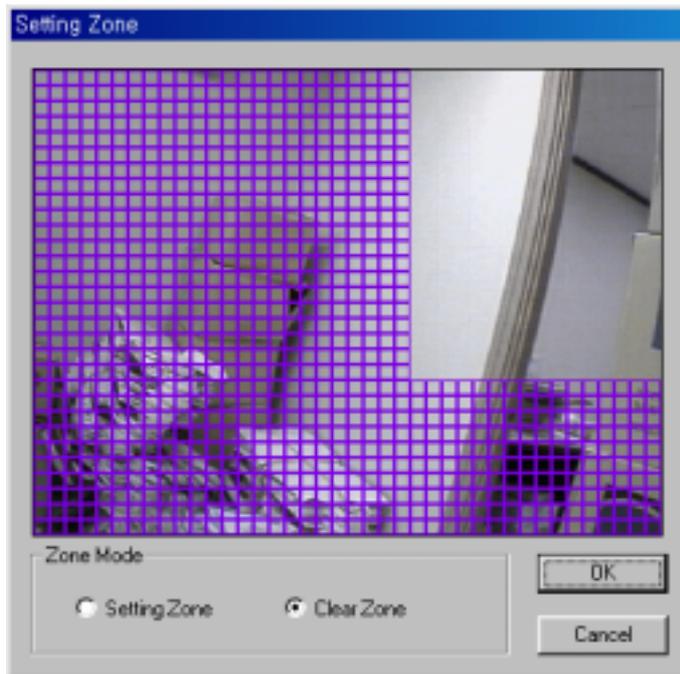
- in the setting zone, point to secured area to need.

2-4. Pan/Tilt/Zoom
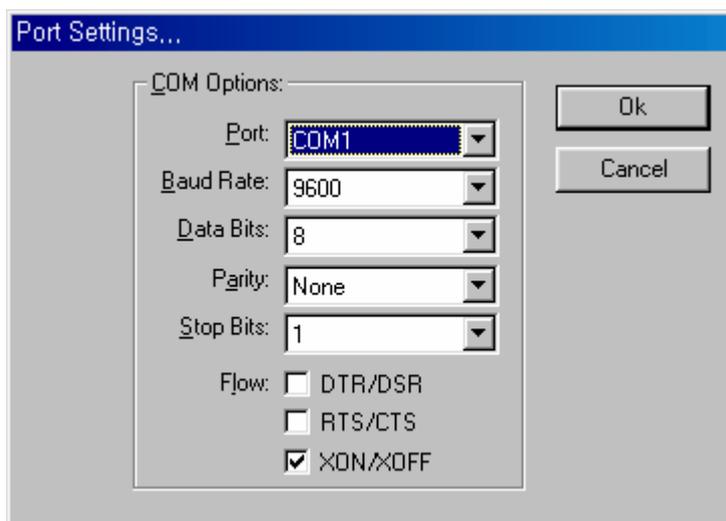
2-4-1. Port :

select connecting COM port.

2-4-2. Baud Rate :

Select Baud Rate

2-4-3. Date Bits :

Select data bits

2-4-4. Parity :

Select Parity bits

2-4-5. Stop Bits : select stop bits

2-4-6. Flow : select Flow control

AnyKeeper™

2-5 Alarm

2-5-1. Alarm Activation

2-5-2. Event Latency Time : control to how long alarming time.
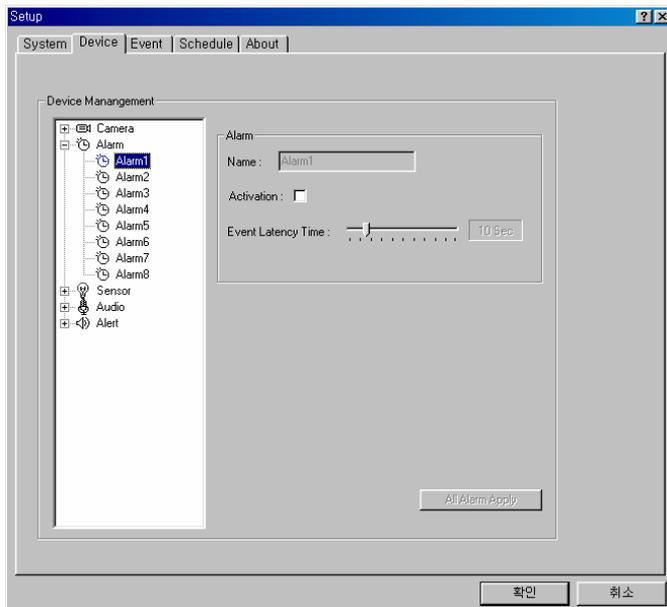
2-6. Sensor
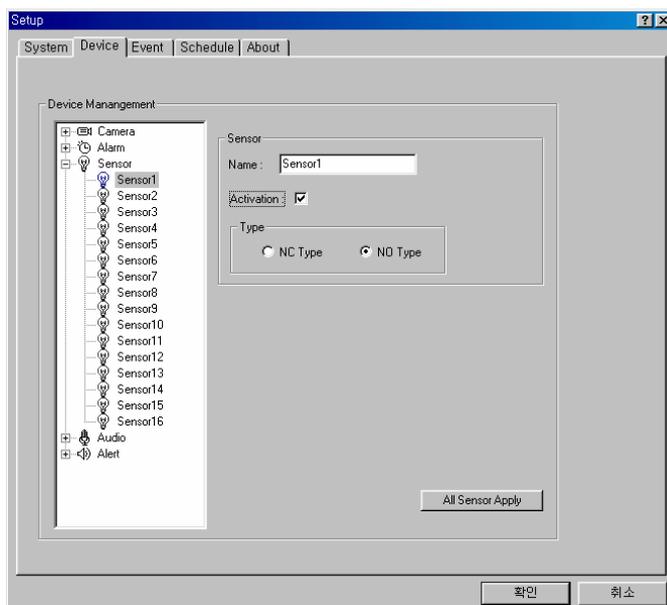
2-6-1. Activation : sensor activation

2-6-2. Type :

NC(Normal Close-closed generally)

NO(Normal Open-alarming when closed)

AnyKeeper™
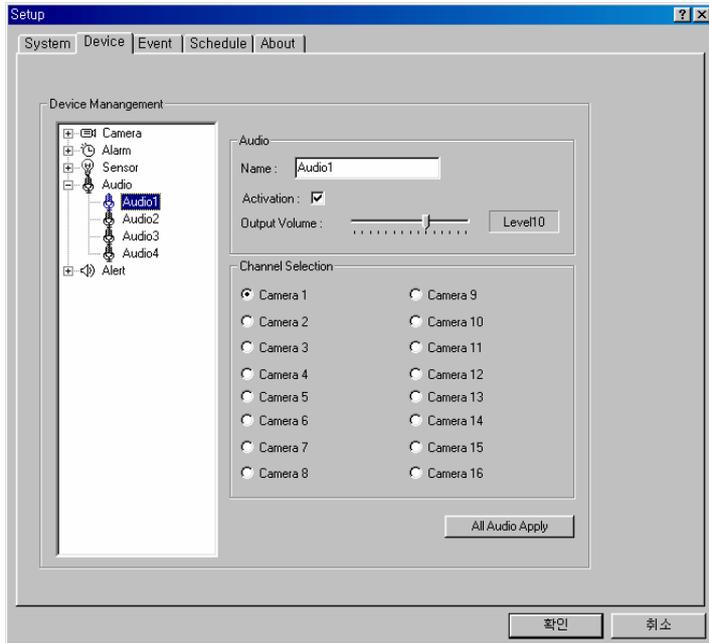
2-7. Audio

2-7-1. Activation

2-7-2. Camera Selection

   point to recordable Camera

3. Event
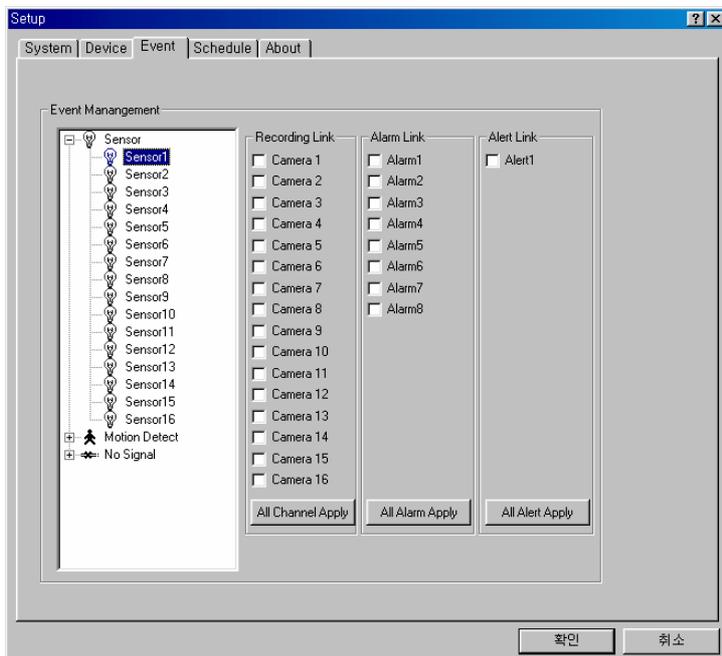
ex1) Sensor 1 – Recording Link 1 – Alarm Link 1 – Alert 1

: token image or signal was recorded to 1 camera and alarming alarm 1, ring alert

ex2) sensor 3 – Recording Link 2 –Alarm Link 4 – Alert (no tic)

:token image or signal was recorded to camera 2 and alarming alarm 4.

AnyKeeper™
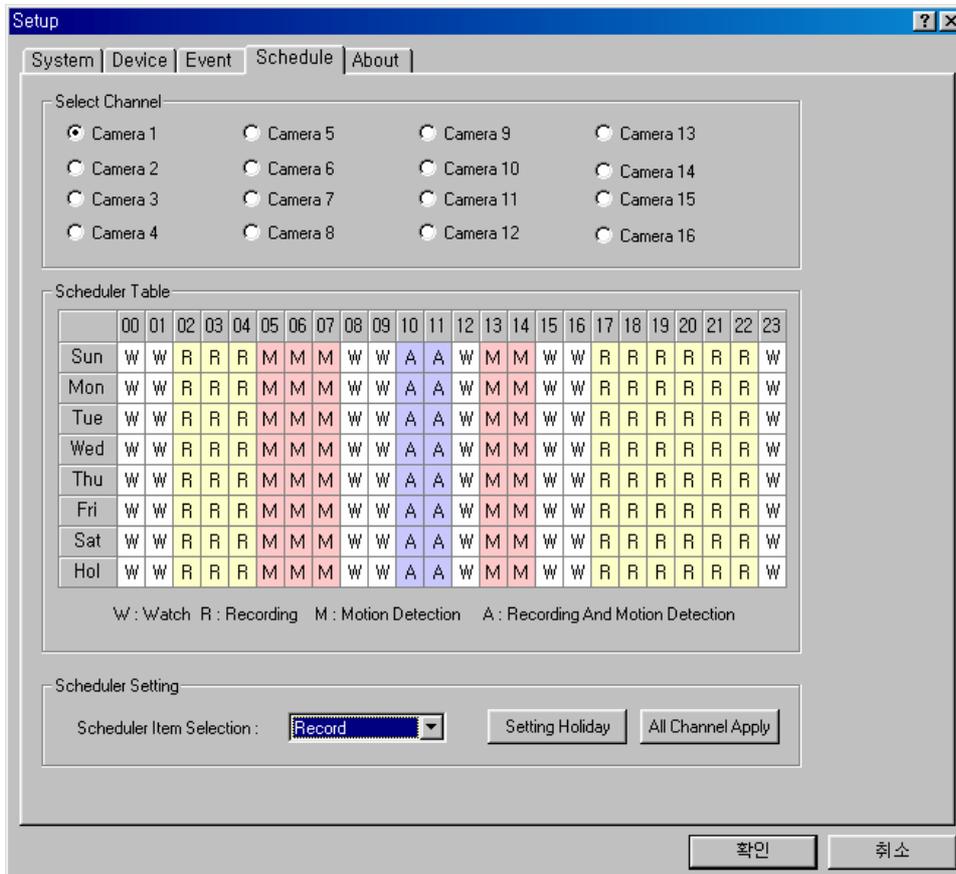
4. Schedule

1. select camera

2. mark to record or motion detect and integrate record with caught motion.

Ex) Camera 1 has to record when sensor 2 is detected from PM 3:00~AM 12:00
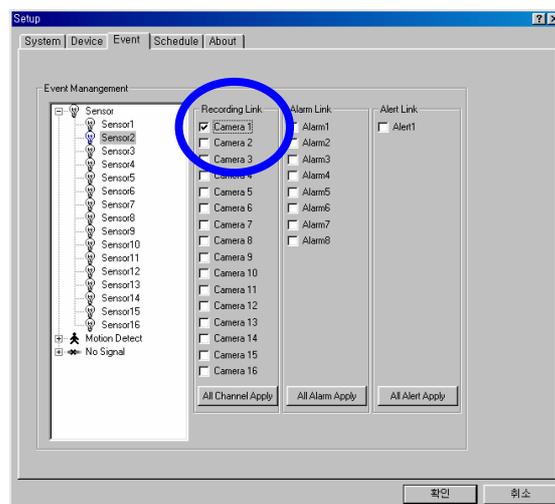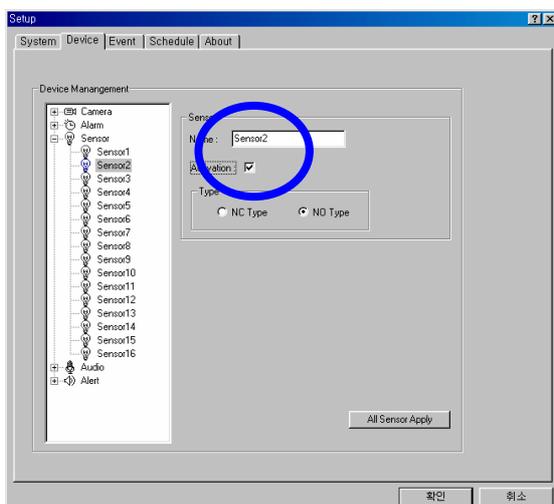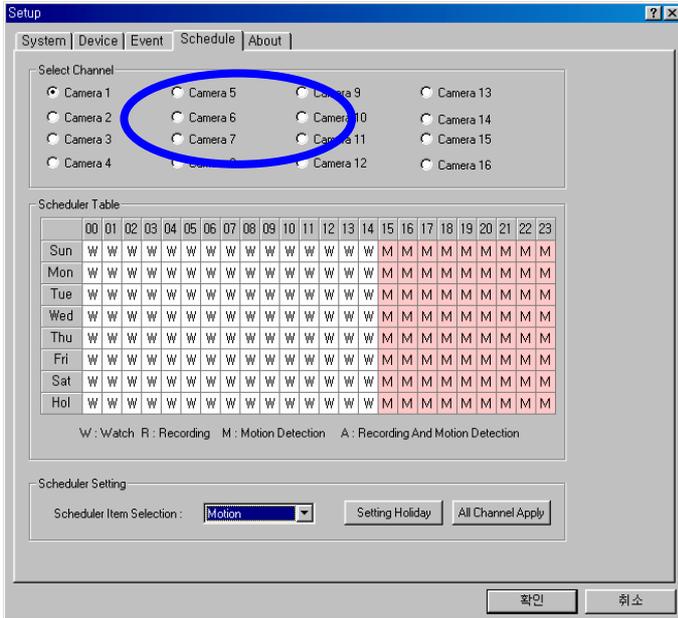
3. Holiday setting : schedule to irregularly settings
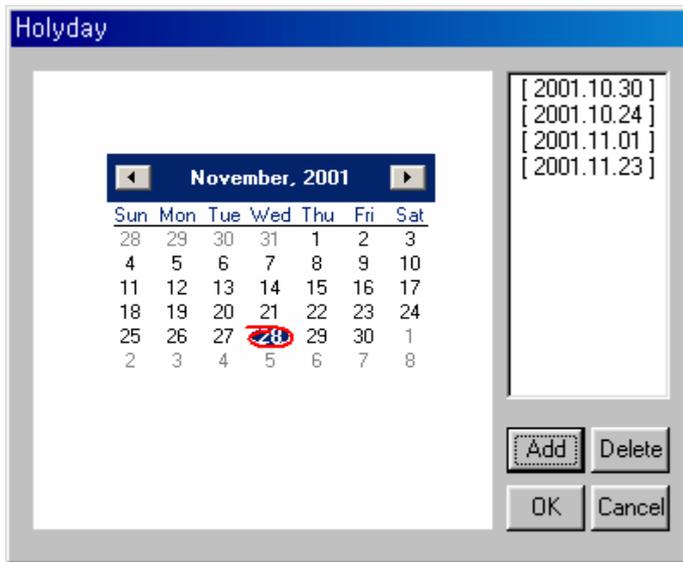
AnyKeeper™

DVR Trouble shooting

1. NO SIGNAL or Blue screen on display window

- check camera connection and power supply
- check the activation box for each camera on the "Setup" menu (shown below)
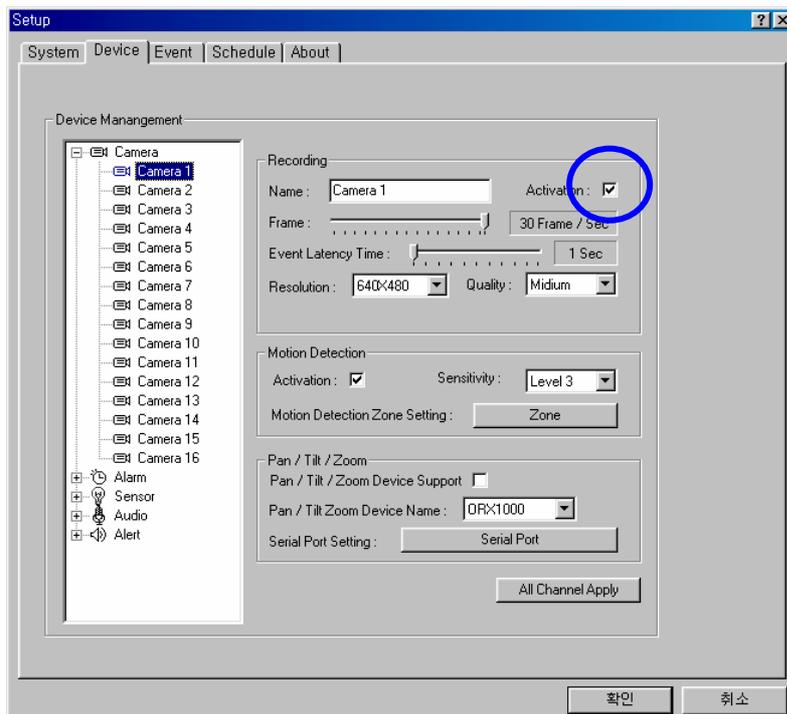
- restart DVR application (You should always restart Anykeeper when applying new settings).

2. Recording Unavailable

- Check the camera is activated
- Check the "Recording Stopped" time in the Event Log

AnyKeeper™
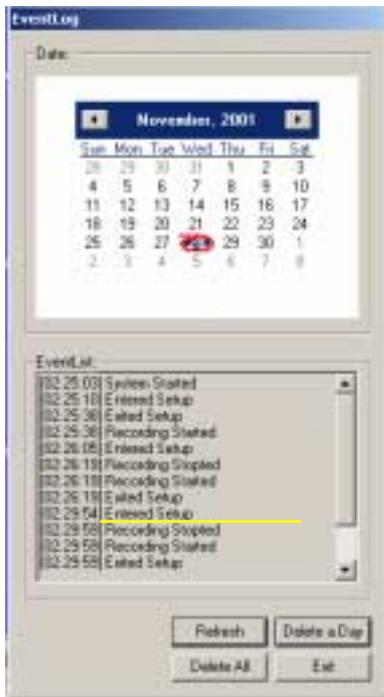
- Check the LED in the Status window (Green : activated, Red : Recording)

- Check the storage setting
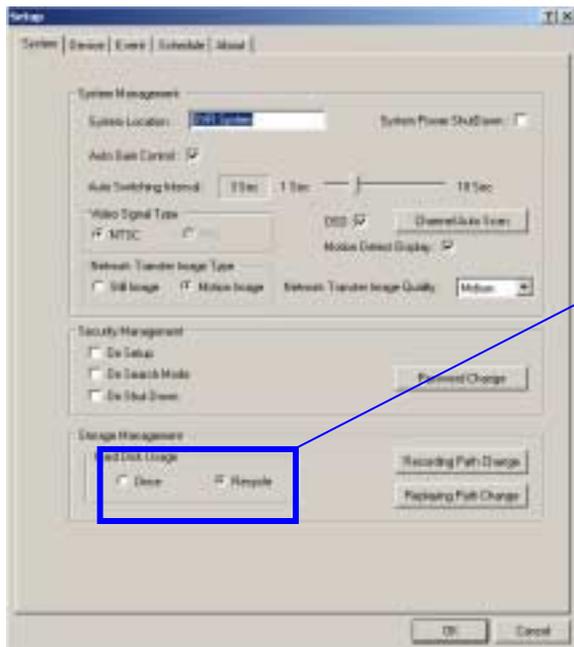
Once : record one time until full

Recycle : remove first day records when full

AnyKeeper™

3. Motion Detection Unavailable

- Check Motion Detection is activated for each camera in the "Device" setup window
- Check the Zone settings
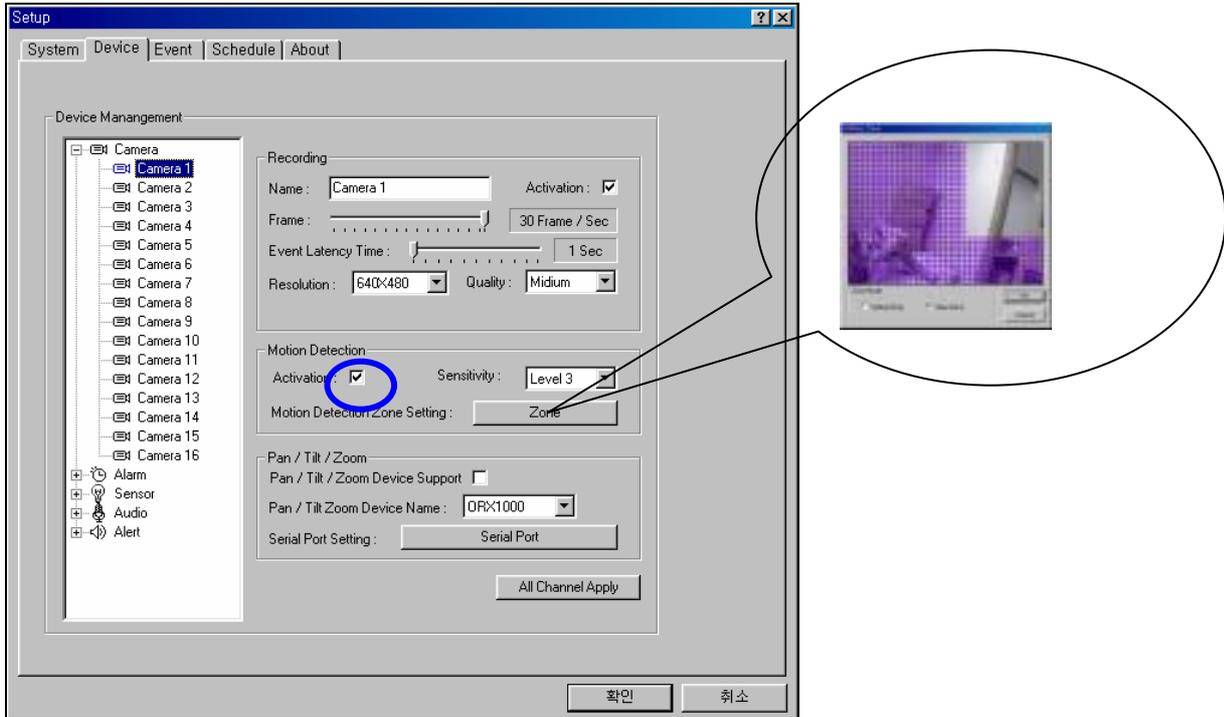
NB:

Motion Detection scenario

1) Motion Detection and Recording on all cameras:
- Select Motion Detection – Activation for each camera in the "Device" setup window
- Link to each camera 1~16 from the motion detection 1~16 as assigned in the "Event" setup window
- Set to "Record and Motion Detection" in the "Schedule" for all cameras

2) Setting camera 3 for Motion Detection and Recording:
- Activate all cameras
- Activate Motion Detection on camera 3 in the "Device" setup window and configure the zone
- In "Event" – "Motion Detection" select camera 3 as the "Recording Link"
- Select "Motion Detection" in the "Schedule" for camera 3

AnyKeeper™

4. Search Unavailable

- Check the storage path in the [setup]

```
Storage Setup

< Exist Hard Disk >    < Usable Hard Disk >

Hard Disk Drive C      Hard Disk Drive C
Hard Disk Drive D


      [ HDD Add ]           [ HDD Delete ]

Directory Name :  data

         [ OK ]        [ Cancel ]
```
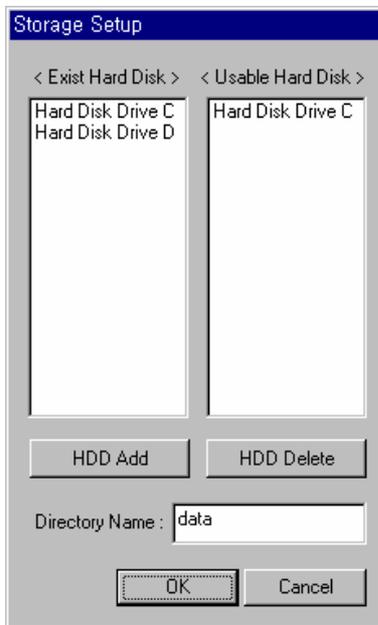
- When new a new version of the software is installed, sometimes the old files will no longer be available for viewing due to slight alterations in the compression algorithm. It is recommended that all existing DVR files and drivers be removed before installing new versions of the software.

5. Reinstall O/S (we recommend the following method for reinstalling the O/S)

- Format the HDD (before formatting, divide with 2 or more partitions)
- Install Windows (Windows 2000 recommended)
- Update the INF files for main board's BIOS (if INTEL chipset only)
- Install VGA and sound card drivers
- Install the MS Direct X 8.0 or higher (very important)
- Insert DVR board
- Connect cables and fans
- Install DVR drivers
- Install new version of Anykeeper software

6. No response to PTZ controls

- Check the PTZ connections
- Check PTZ support is selected in the setup menu
- Check PTZ settings in the setup system

AnyKeeper™

7. Network access unavailable

- Unknown Host: Check the Server's IP address (on prompt windows, using 'IPCONFIG')

- Incorrect password: Check the password (factory default password is 'guest')

- Admin: Already logged on as administrator

AnyKeeper™