Rev 1.0

DPS SERIES

USER MANUAL

PRIME
PROFESSIONAL DVR SYSTEM

TABLE OF CONTENTS

CHAPTER 1
HARDWARE Specification

1. Product Specification

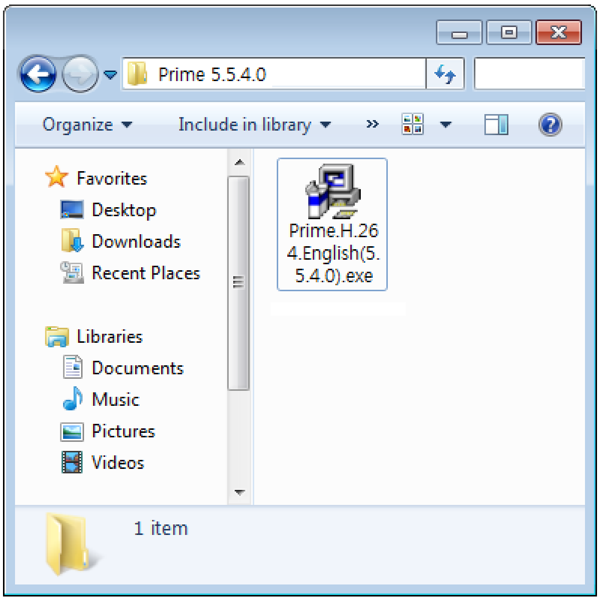
Models	9030	9060	9120	9240	9448	9632	X948
Displaying Speed (NTSC)	30fps	60fps	120fps	240fps	480fps	960fps	480fps
Recording Speed (NTSC)	30fps	60fps	120fps	240fps	480fps	480fps	480fps
Video Inputs	4	16	16	16	16	32	16
Audio Inputs	1	2	4	8	16	16	16
Sensor Inputs	4	4	16	16	16	16	16
Alarm Outputs	2	2	8	8	8	8	8
Video Resolution	D1 / Half D1 / CIF						
Compression Type	MPEG4 / H.264 (Software Codec)						H.264 (Hardware Codec)
Supported Signal Types	NTSC / PAL						
Supported Network	TCP/IP, PSTN						
Supported Backup Devices	HDD, DVD/R, CD/RW, Network Driver, etc.						
Supported PTZ Protocols	C&B Tech-CND100200&SMART, Changzhou Minking-Minking, CTNCom-HD0670, Dong Yang Unitech-DSC230, DRAGON-DRAGON, Dynacolor-TPD7720, Geosan-GRX1000, GOLDENEYE-GOLDENEYE, InterM-VRX2201, KALATEL-KTD312, KJK-KJK, LG-LPTA100L, PELCO D&P, SAMSUNG-SCC641&SDZ160R&SPD1600&SPX1000&SPT1000, SONY-EVID3031, Vicon-Survey&2000, ZITEC-ZITECH, etc.						
Operating Systems	Windows XP, Windows 7						

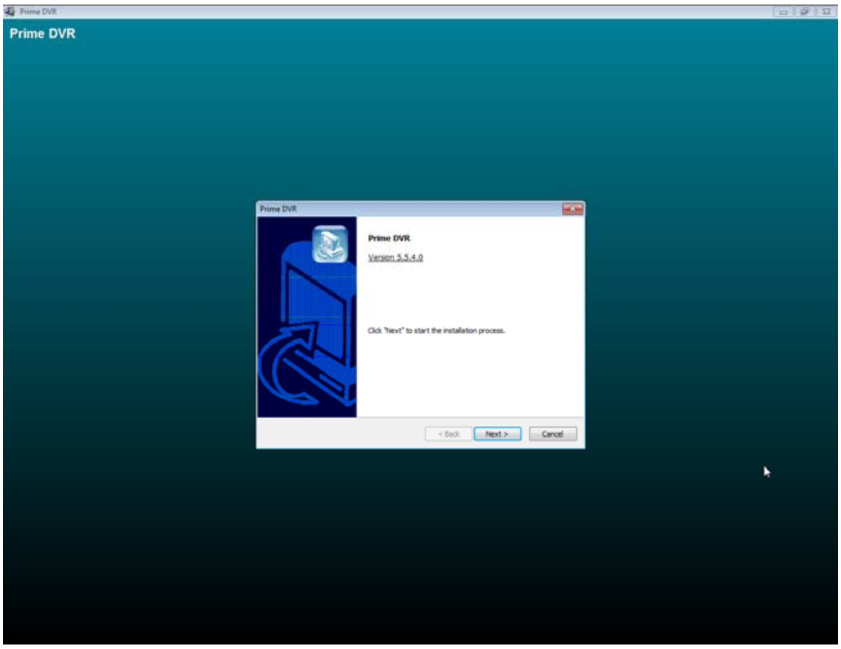
- Specification may change without notice

CHAPTER 2
Software Installation

Steps:

1. Insert Prime S/W.
2. Double-click “Prime.English(5.5.4.0)”.





Prime DVR

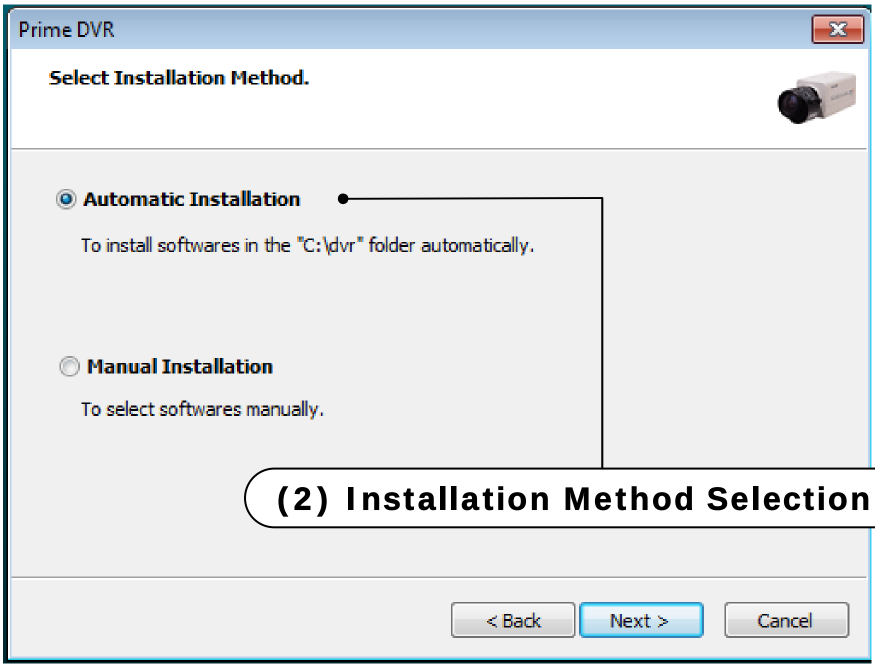
Version 5.5.4.0

Click "Next" to start the installation process.

1. Automatic Installation

(1) Definition

It is a method to install all the relevant software automatically.
Select “Automatic Installation” at all times unless only “Client Software” is to be installed.



Prime DVR

Select Installation Method.

● **Automatic Installation**

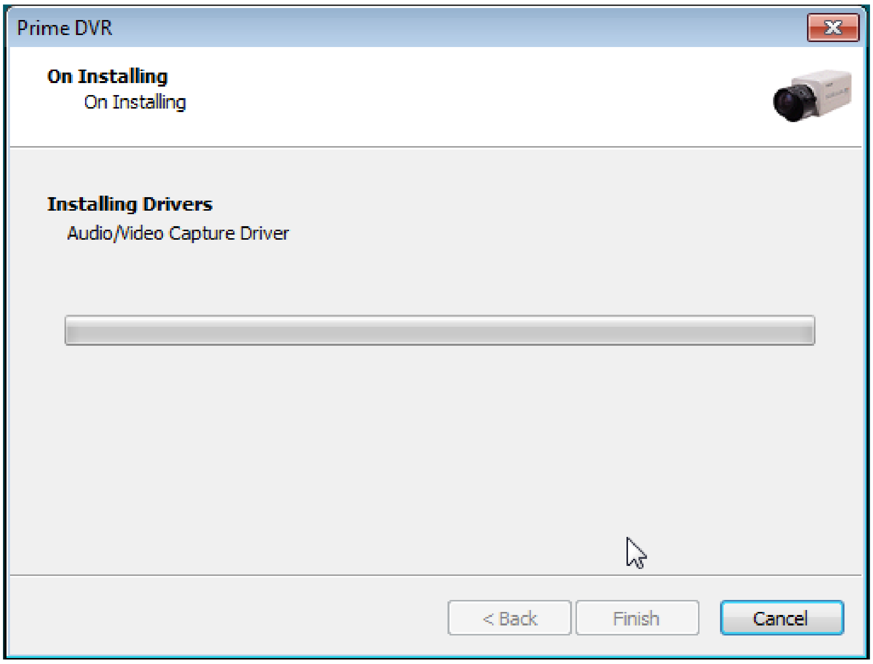
To install softwares in the "C:\dvr" folder automatically.

○ **Manual Installation**

To select softwares manually.

(2) Installation Method Selection

(3) Installing Drivers

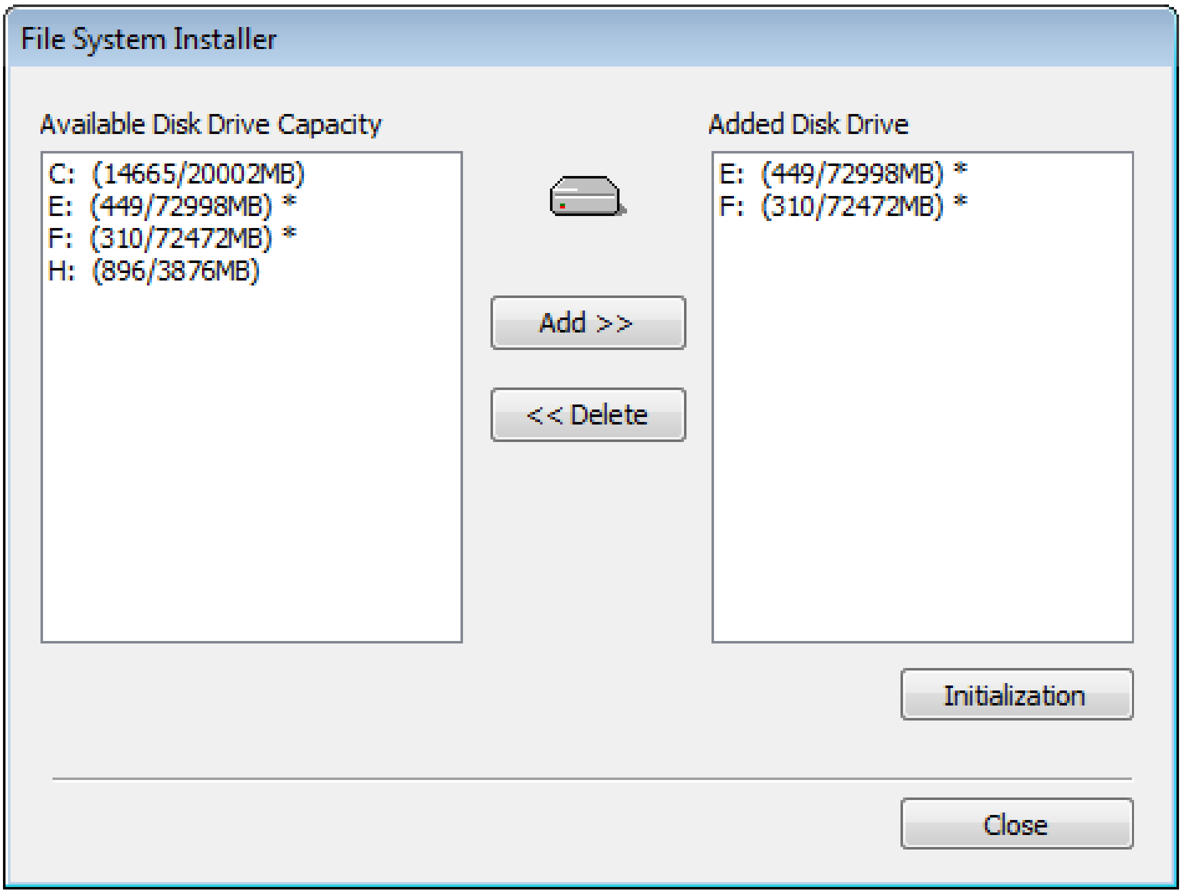


Prime DVR

On Installing
On Installing

Installing Drivers
Audio/Video Capture Driver

(4) DVR File System Installation



C: (14665/20002MB)
E: (449/72998MB) *
F: (310/72472MB) *
H: (896/3876MB)

E: (449/72998MB) *
F: (310/72472MB) *

Definition:

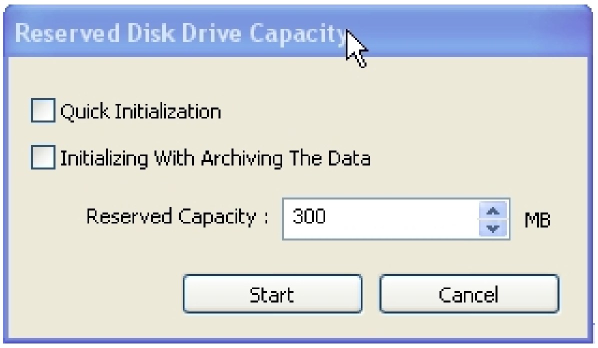
Occupying disk capacity to record data

Steps:

1. Select drives from “Available Disk Drive Capacity”
2. Click “Add”.
3. Click “Initialization”.

Caution:

1. “C Drive” cannot be added to DFS disk, it is used for O/S and DVR software.
2. HDD has to be initialized to record data



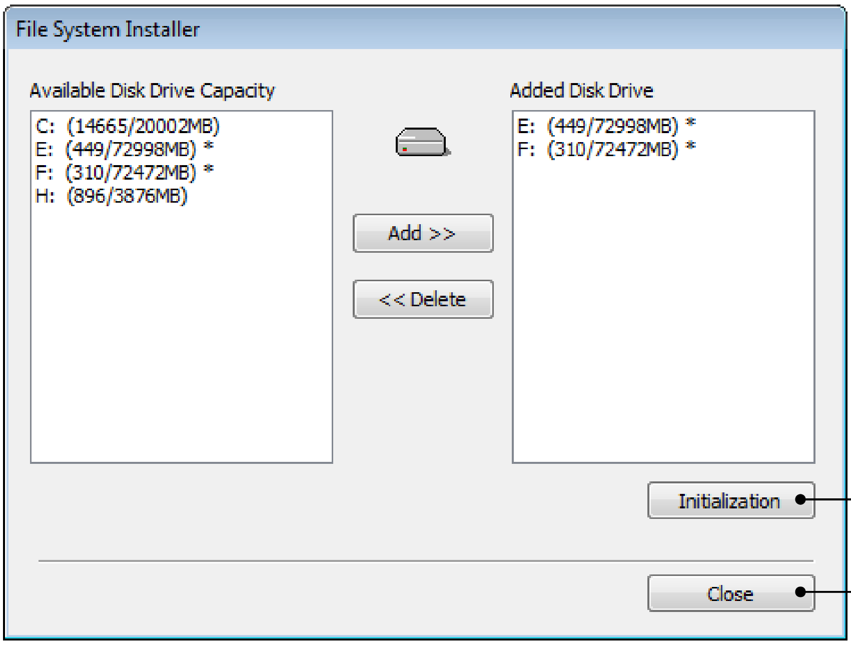
Reserved Disk Drive Capacity

☐ Quick Initialization

☐ Initializing With Archiving The Data

Reserved Capacity : 300 MB

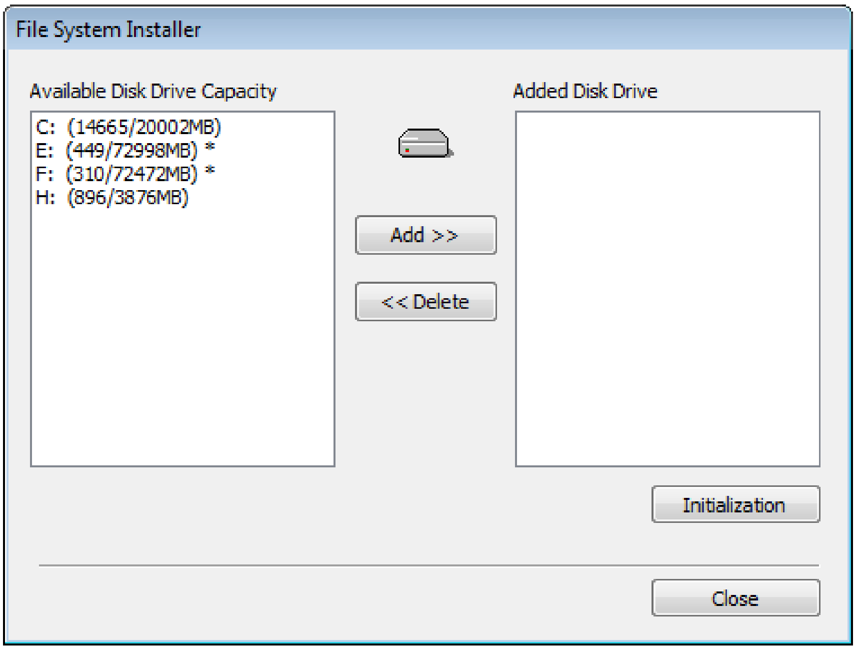
Selecting “Quick Initialization” will lead to the initialization of entire disk capacity added. Otherwise, put in desirable number to initialize. Note that the number can not exceed total capacity added.
Initializing With Archiving the Data: This is to increase DFS storage by taking additional space from the current “Reserved Capacity”. So new value for “Reserved Capacity” can not exceed the current one.
Minimum 300MB is recommended for DVR performance.



File System Installer

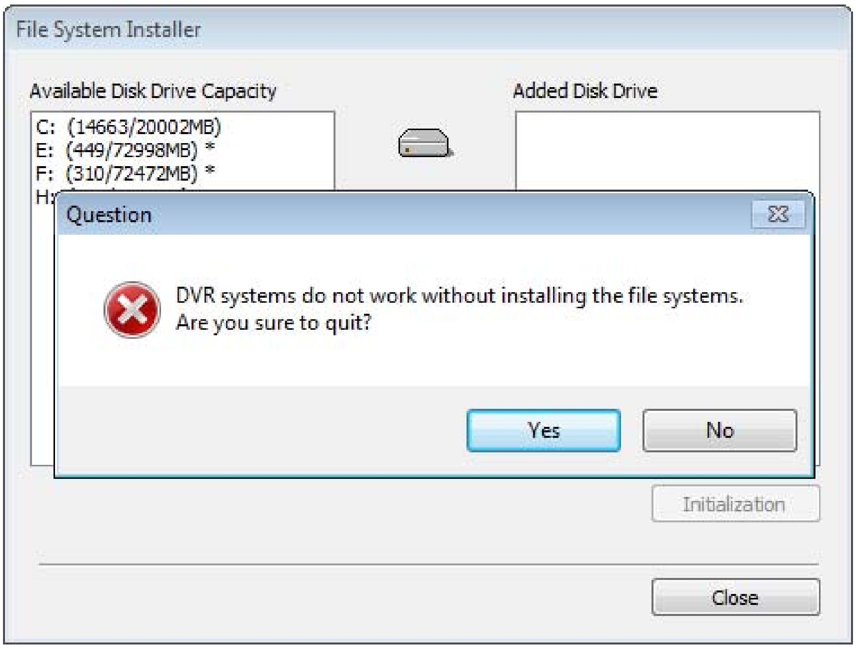
Available Disk Drive Capacity	Added Disk Drive
C: (14665/20002MB) E: (449/72998MB) * F: (310/72472MB) * H: (896/3876MB)	E: (449/72998MB) * F: (310/72472MB) *

Initialization process will be performed automatically. Click “Close” upon completion.



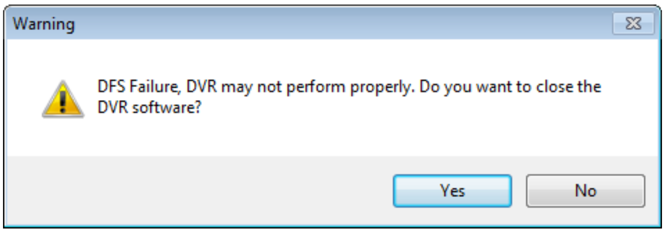
C: (14665/20002MB)
E: (449/72998MB) *
F: (310/72472MB) *
H: (896/3876MB)

At least one of “available disk drive” must be added for data storage. Otherwise, the alert message will pop up.

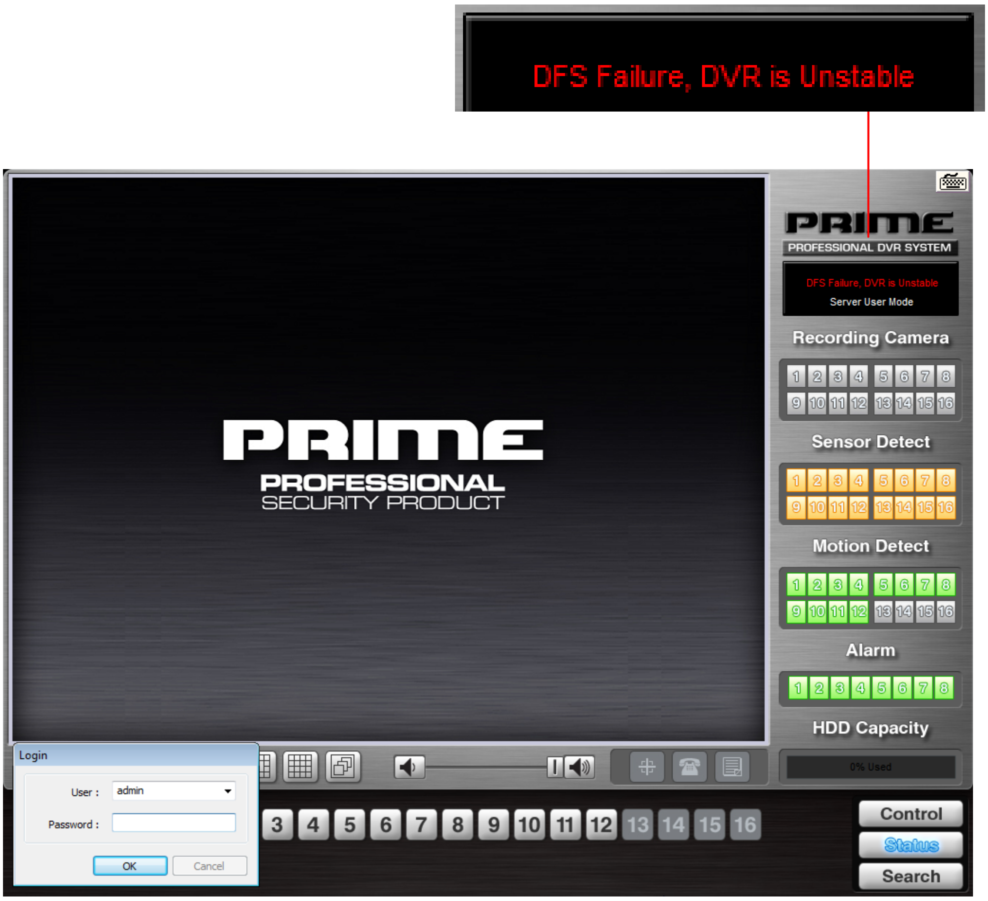


C: (14663/20002MB)
E: (449/72998MB) *
F: (310/72472MB) *

DVR systems do not work without installing the file systems.
Are you sure to quit?



DFS Failure, DVR may not perform properly. Do you want to close the DVR software?



DFS Failure, DVR is Unstable

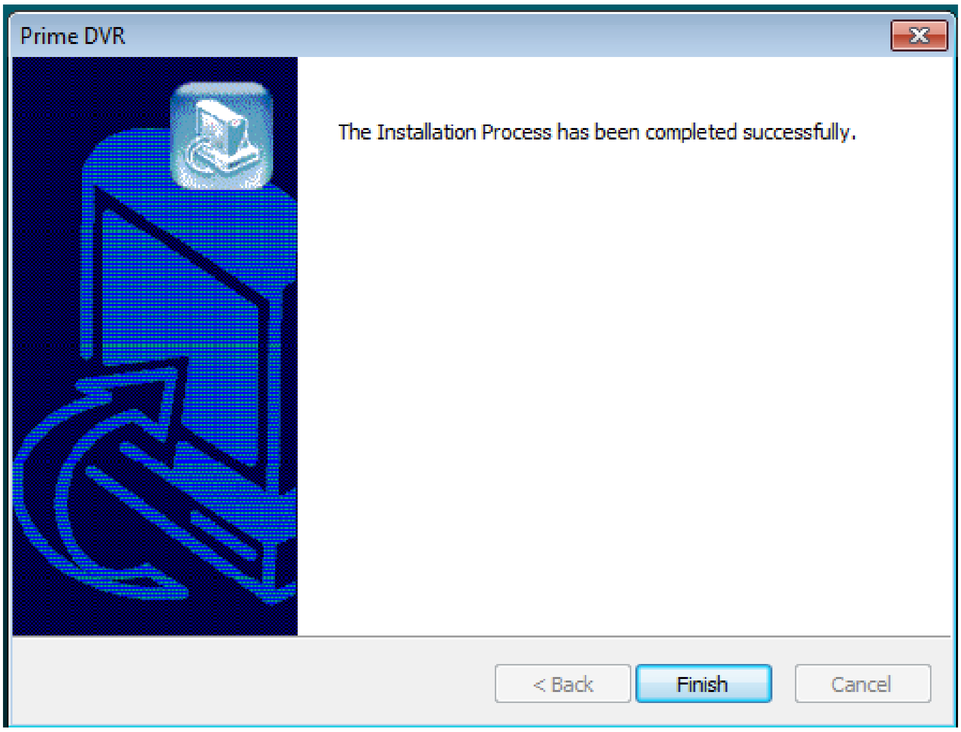
Server User Mode

Login

User : admin

Password :

(5) Completion & Retry



Prime DVR

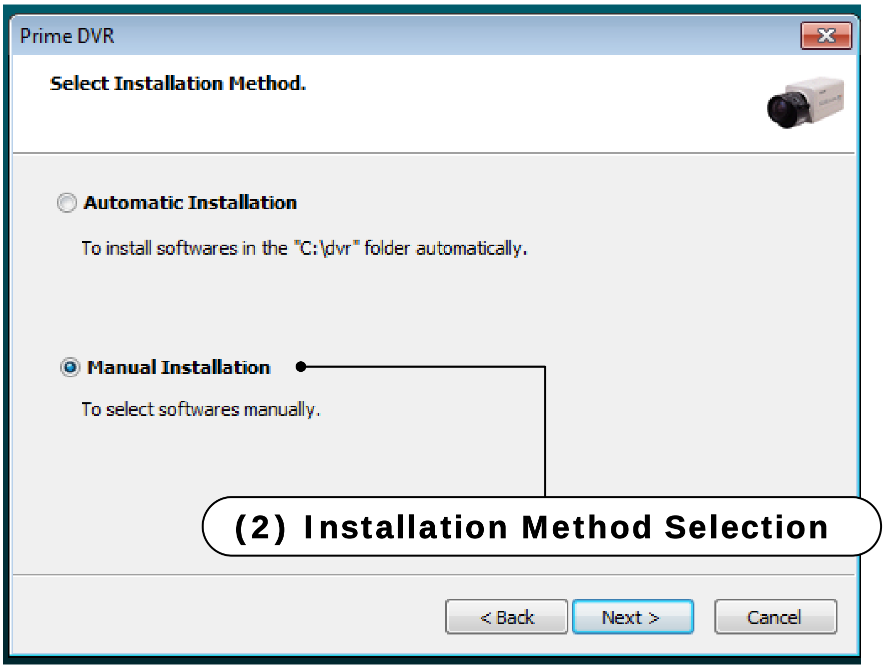
The Installation Process has been completed successfully.

Retry the entire procedure if an error message is displayed.

2. Manual Installation

(1) Definition

It is a method to install selected software manually.
Select “Manual Installation” only in the case of “Client Software” installation.



Prime DVR

Select Installation Method.

○ **Automatic Installation**

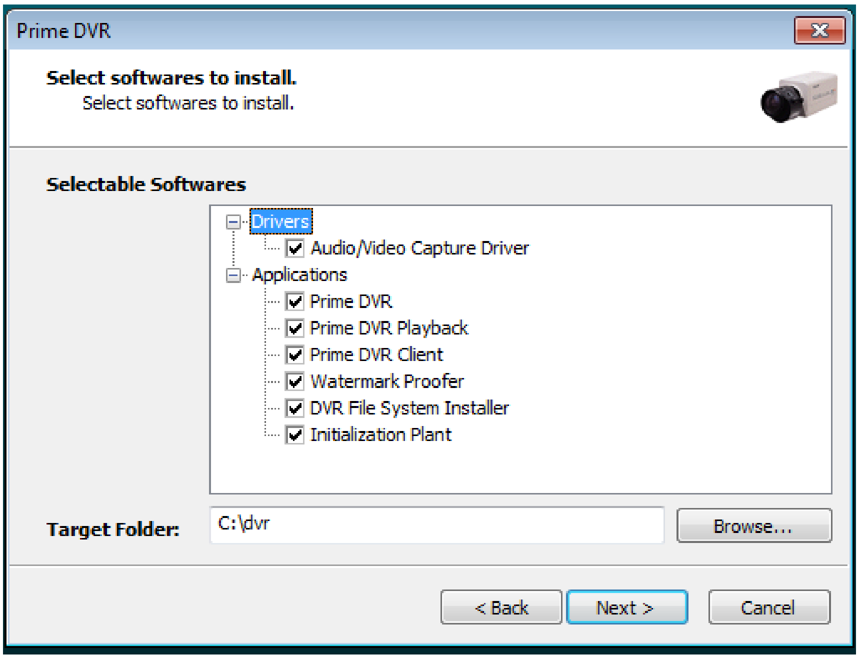
To install softwares in the "C:\dvr" folder automatically.

● **Manual Installation**

To select softwares manually.

(2) Installation Method Selection

(3) Software Selection



Prime DVR

Select softwares to install.
Select softwares to install.

Selectable Softwares

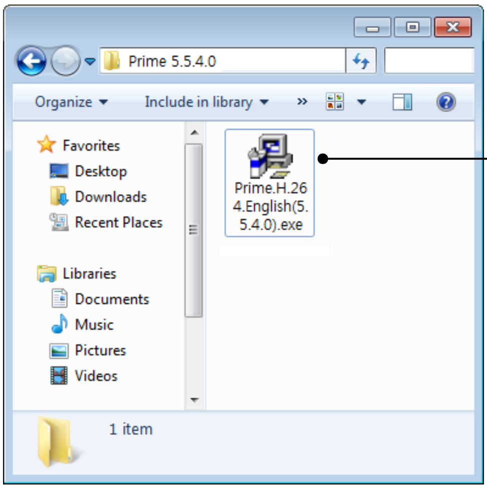
- Drivers
  - ☑ Audio/Video Capture Driver
- Applications
  - ☑ Prime DVR
  - ☑ Prime DVR Playback
  - ☑ Prime DVR Client
  - ☑ Watermark Proofer
  - ☑ DVR File System Installer
  - ☑ Initialization Plant

Target Folder: C:\dvr

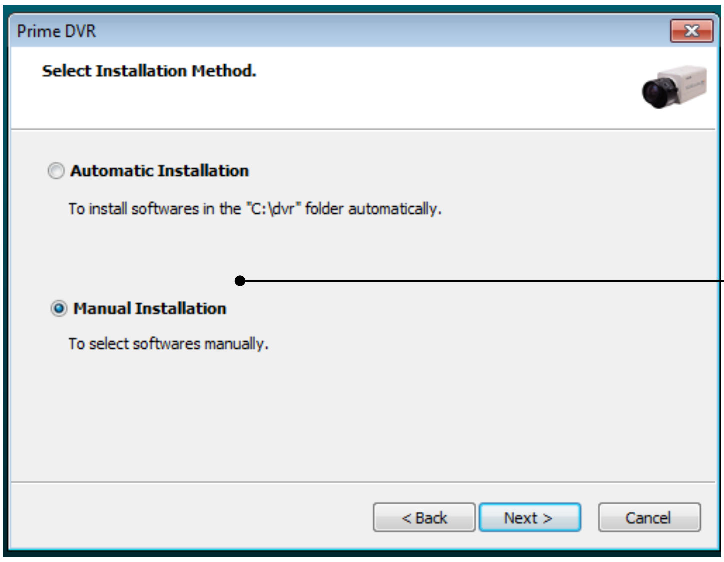
Note: The rest of the procedures are the same as “Automatic Installation”.

3.Remote Client Installation

(1) Using Prime S/W



Double-click "Prime.English(5.5.4.0).exe".



Select Installation Method.

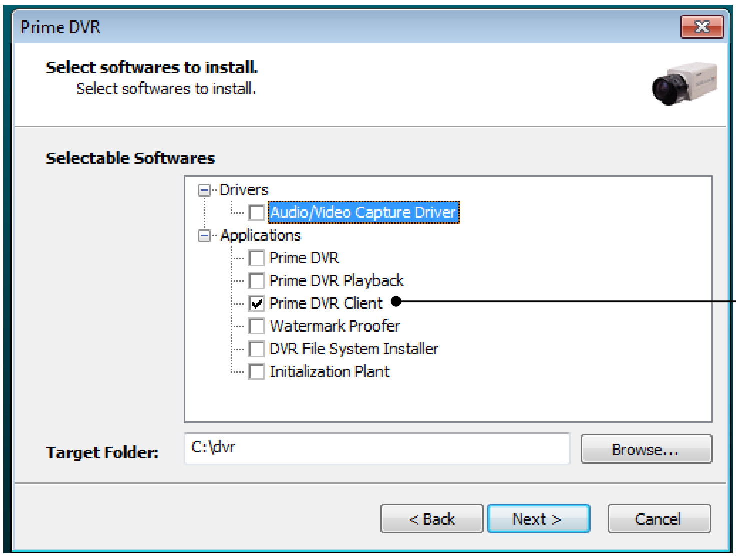
○ **Automatic Installation**

To install softwares in the "C:\dvr" folder automatically.

● **Manual Installation**

To select softwares manually.

Select "Manual Installation".



Select softwares to install.
Select softwares to install.

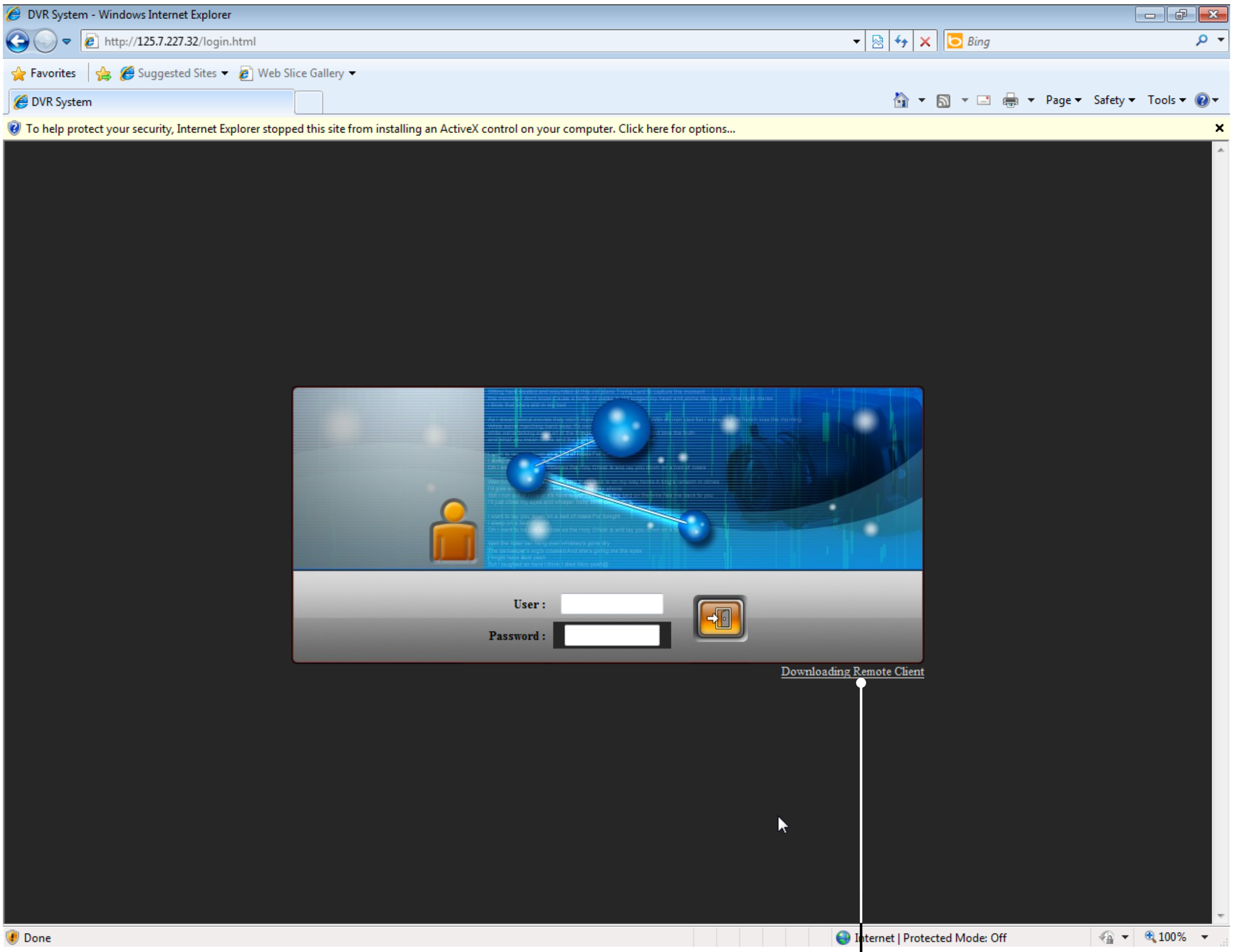
Selectable Softwares

- Drivers
  - ☐ Audio/Video Capture Driver
- Applications
  - ☐ Prime DVR
  - ☐ Prime DVR Playback
  - ☑ Prime DVR Client
  - ☐ Watermark Proofer
  - ☐ DVR File System Installer
  - ☐ Initialization Plant

Target Folder: C:\dvr

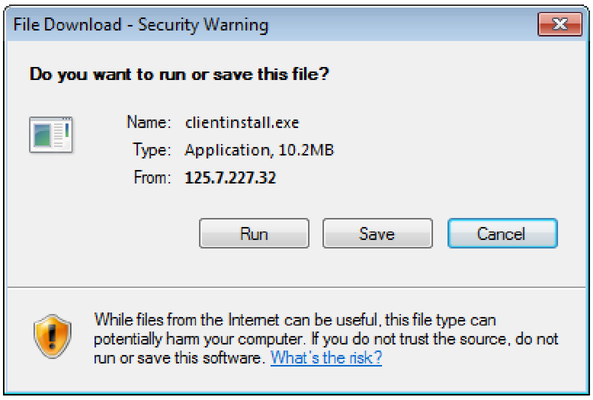
Select "Prime DVR Client" only.

(2) Using Web Browser


DVR System - Windows Internet Explorer
http://125.7.227.32/login.html
Bing
Favorites
Suggested Sites
Web Slice Gallery
DVR System
Page
Safety
Tools
User :
Password :
Downloading Remote Client
Done
Internet | Protected Mode: Off
100%

To help protect your security, Internet Explorer stopped this site from installing an ActiveX control on your computer. Click here for options...

1. Click the “Install Remote Client” button for downloading.

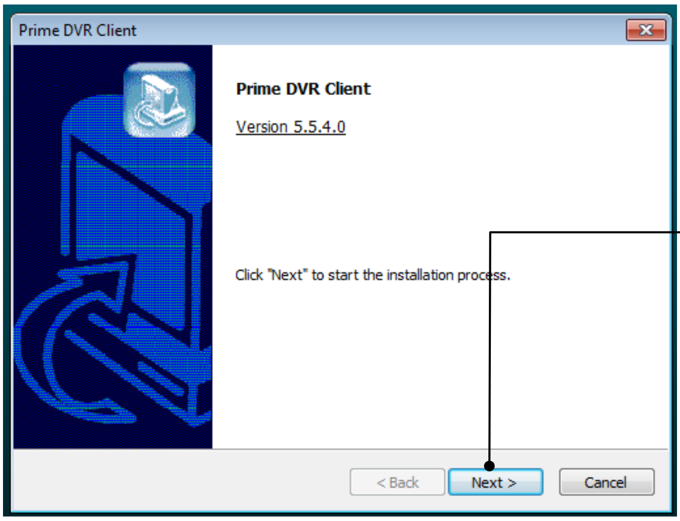


Do you want to run or save this file?

Name: clientinstall.exe
Type: Application, 10.2MB
From: 125.7.227.32

While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

2. Save Client software and run “clientinstall.exe” file to continue.

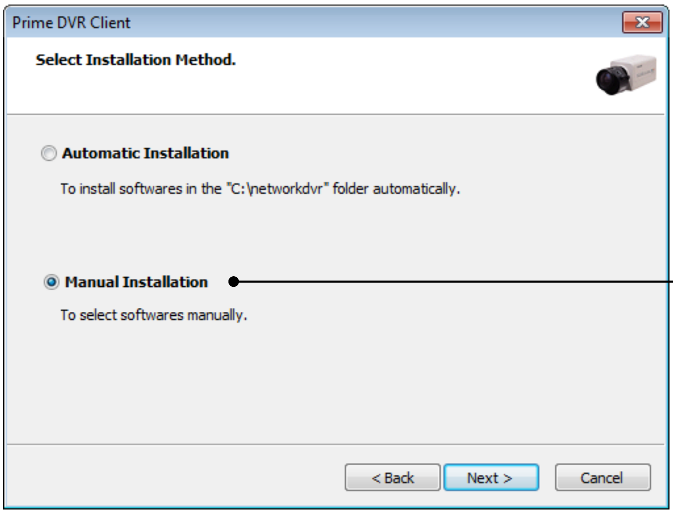


Prime DVR Client

Version 5.5.4.0

Click "Next" to start the installation process.

3. Click “Next” to proceed.



Select Installation Method.

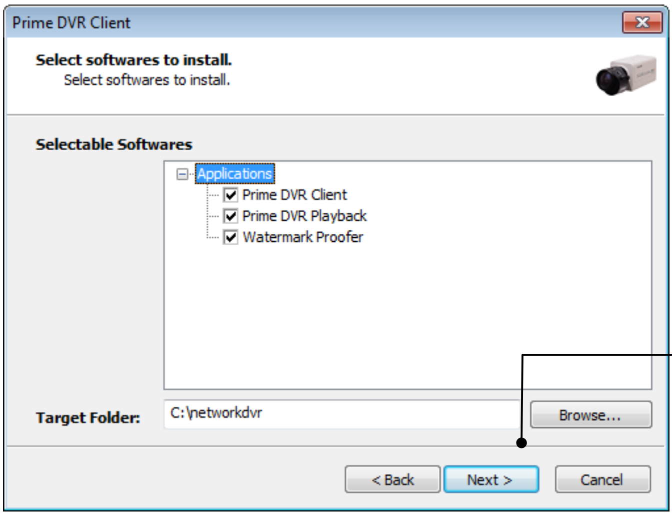
○ **Automatic Installation**

To install softwares in the "C:\networkdvr" folder automatically.

● **Manual Installation**

To select softwares manually.

4. Select “Manual Installation”.



Select softwares to install.

Select softwares to install.

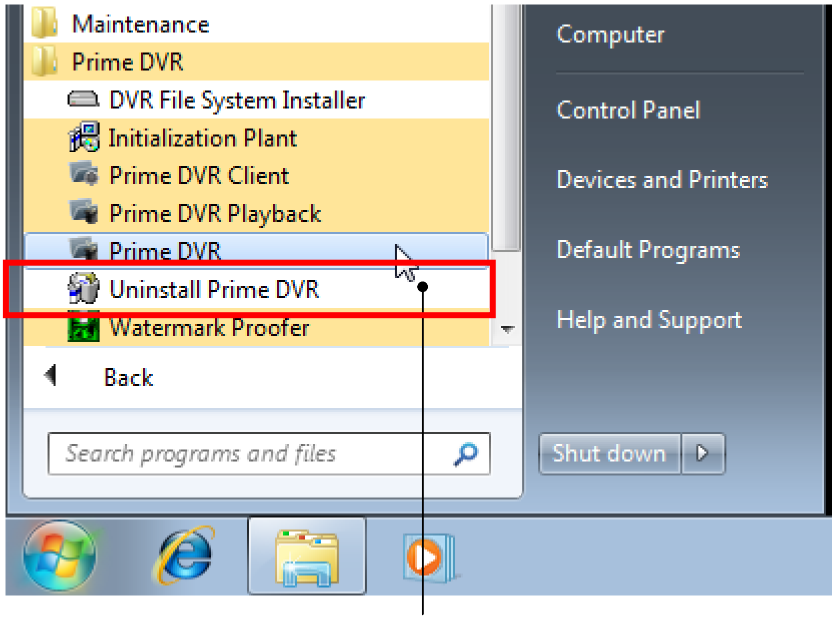
Selectable Softwares

- Applications
  - ☑ Prime DVR Client
  - ☑ Prime DVR Playback
  - ☑ Watermark Proofer

Target Folder: C:\networkdvr

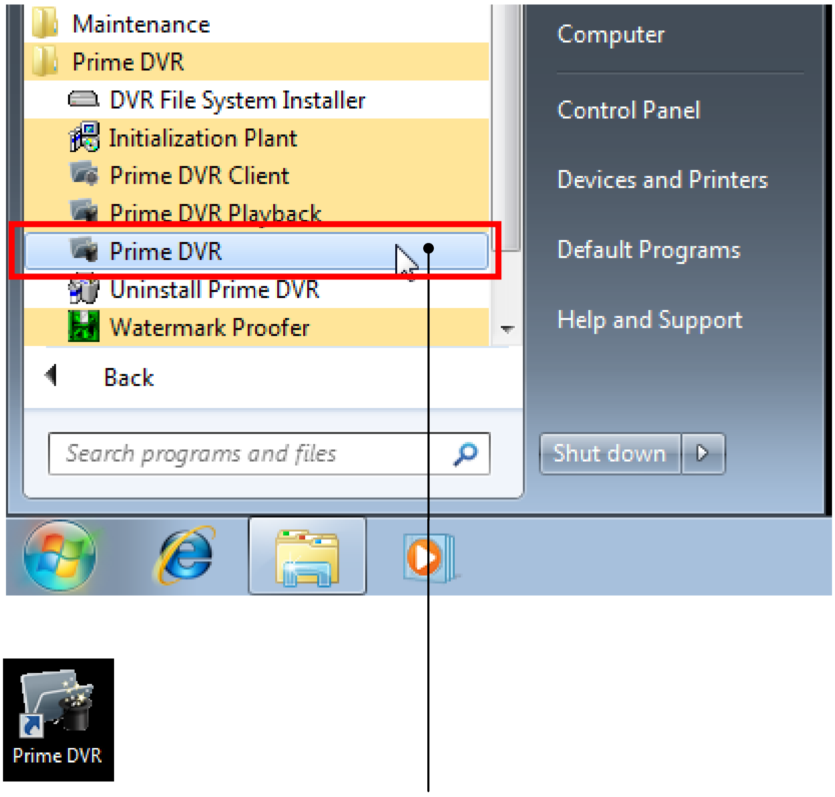
5. Click “Next” to finish installation process.

4. Uninstallation



Execute “Uninstall Prime DVR” to uninstall software.

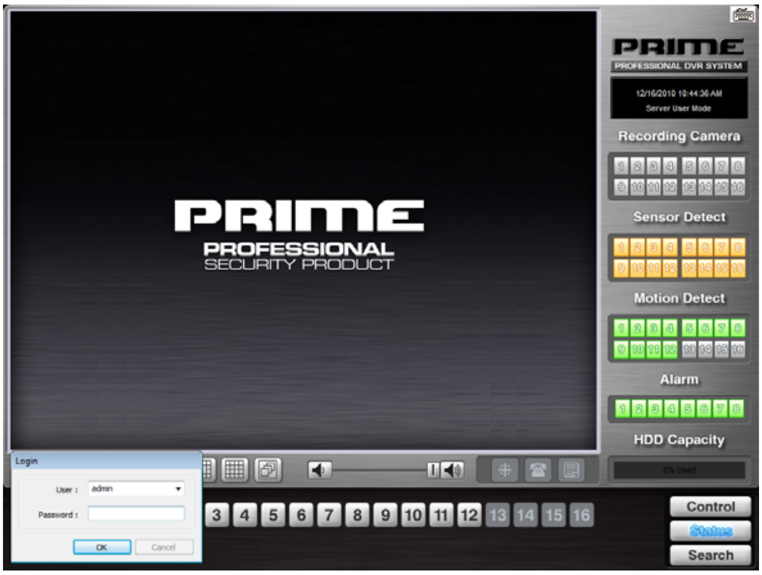
5. Program Execution



Find the icons on the desktop to execute “Prime DVR” and “Prime DVR Client”.
Or find “Prime DVR” under “All Programs”.

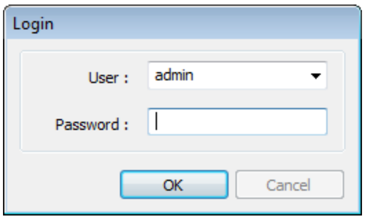
CHAPTER 3
Main System Application

1. Startup Screen



The above screen will appear as Prime DVR system starts.

2. Login


Login

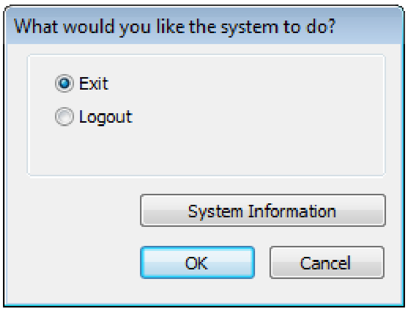
User : admin

Password :

The default values for User and Password are “admin” and “no password”. Click “OK” to execute Prime DVR system. To give “admin” a password and to create new users, certain configurations are required (Setup/User). Only “admin” and users with appropriate authorization have access to the Setup menu.

Note: Virtual keypad is available on the right top of GUI if needed

3. Exit / Logout

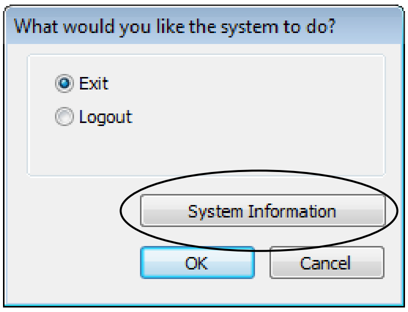

What would you like the system to do?

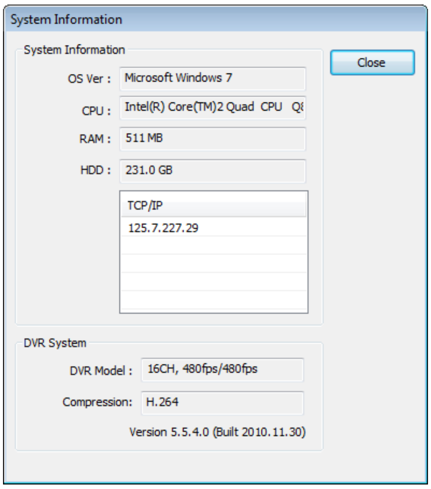
● Exit

○ Logout

To end Prime DVR system, select “Exit” and type in password. Press OK button to continue.

4. System Information





System Information

OS Ver : Microsoft Windows 7

CPU : Intel(R) Core(TM)2 Quad CPU Q

RAM : 511 MB

HDD : 231.0 GB

TCP/IP

125.7.227.29

DVR System

DVR Model : 16CH, 480fps/480fps

Compression: H.264

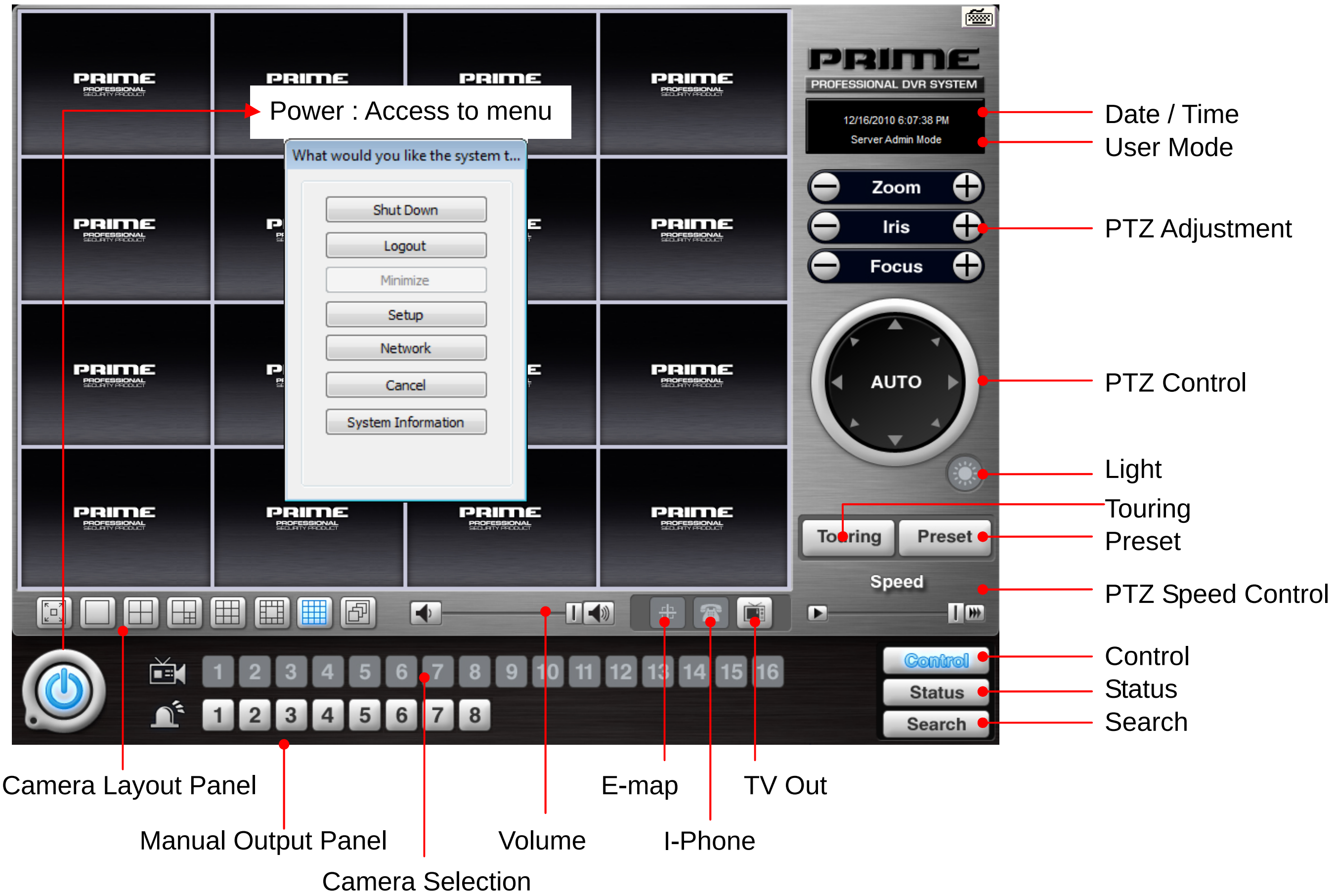
Version 5.5.4.0 (Built 2010.11.30)

Click Power button and then "System Information" button

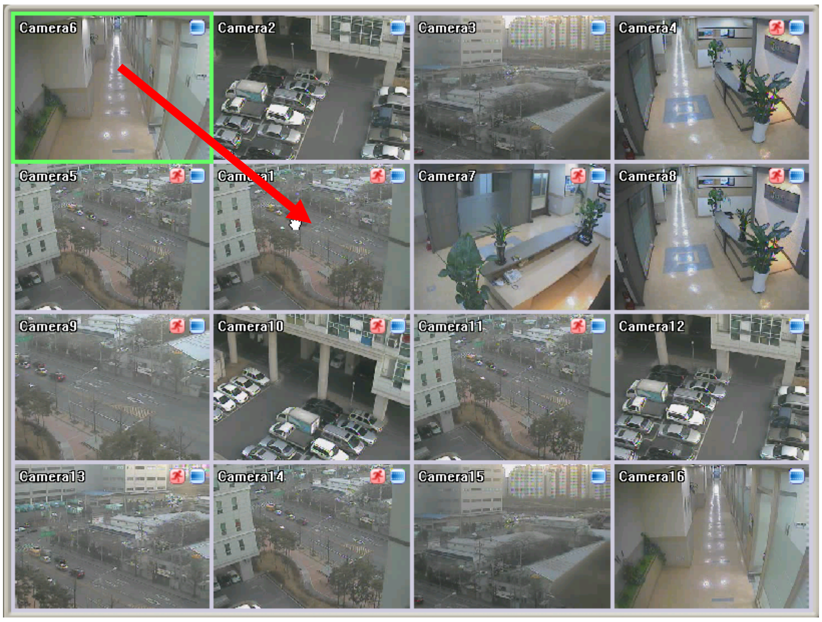
Click on System Information to see DVR system information, such as OS version, CPU, RAM, HDD, IP address, DVR model and DVR software.

5. Control Screen

(1) System



● Channel Relocation



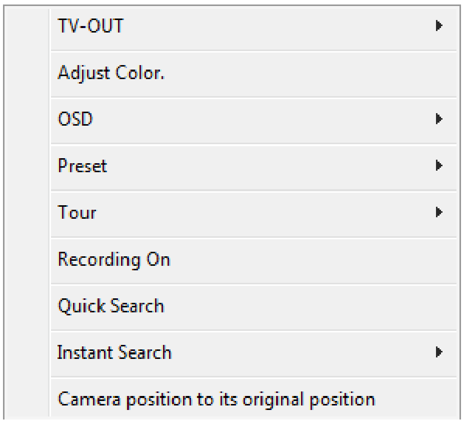
Camera location can be changed by drag & drop by mouse.

How to configure channel by drag & drop:

1. Select channel: click mouse button.
2. Hold on mouse button and drag over to target channel
3. Release mouse button over the target channel.
4. You will see the location of channel has changed on (Refer to above picture)

(2) Right click menu on screen

On control tab, click right mouse button to open shortcut menu.



TV-OUT: Enable selected channel to TV out 2 manually.

Adjust Color: Adjust color setting of selected channel

OSD: Enable/Disable OSD on screen.
(Camera Information/Detection Zone)

Preset / Tour: This is to Add Preset and Tour.

Recording On: Enable force recording on selected channel

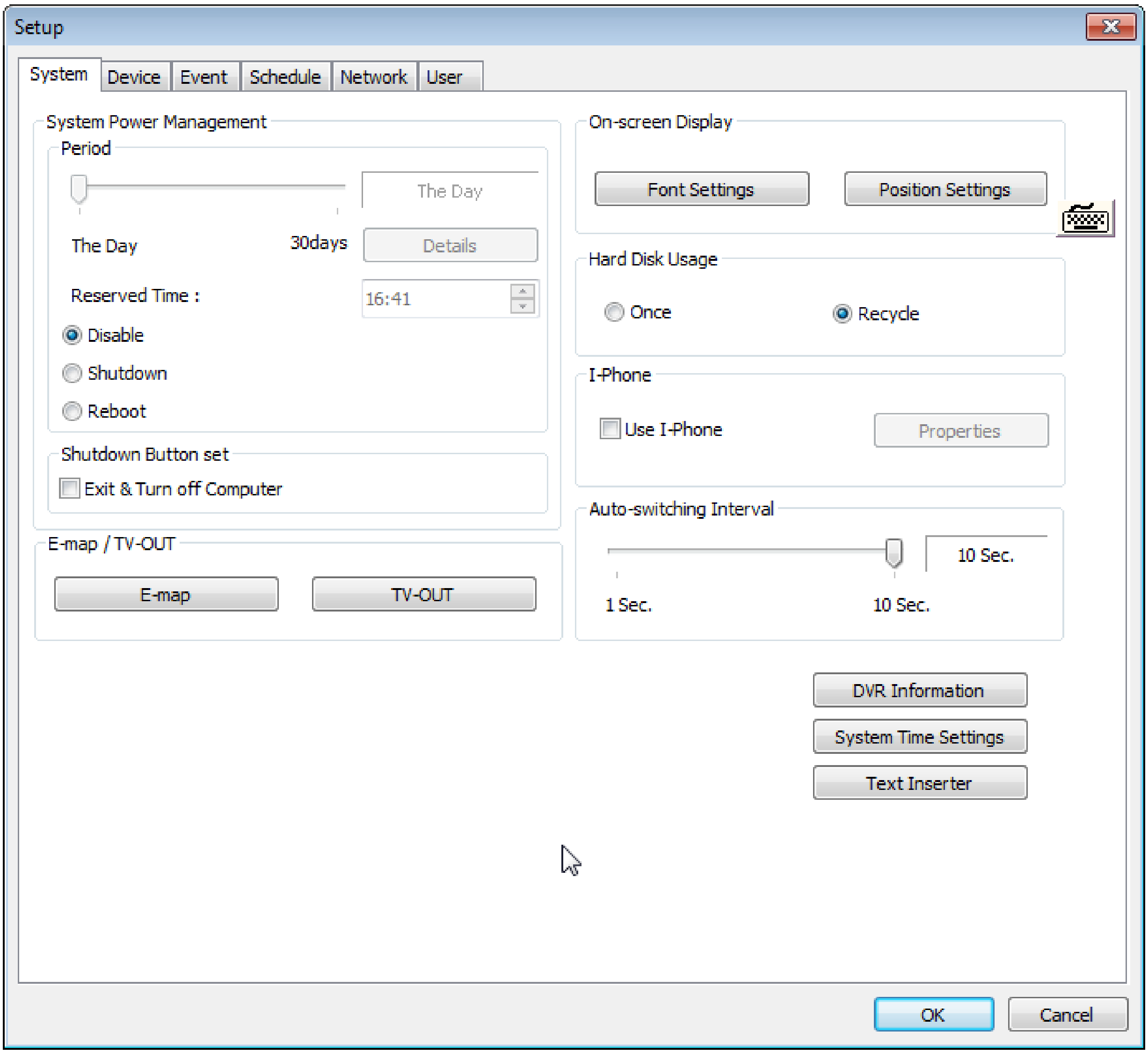
Quick Search: Playback selected channel by pop-up screen.

Instant Search: Playback selected channel on screen
(before 10/20 seconds)

Camera position to its original position:
Revert to default channel location.

6. Setup

(1) System



System Power Management

Period: The Day

The Day 30days

Reserved Time : 16:41

● Disable

○ Shutdown

○ Reboot

Shutdown Button set

☐ Exit & Turn off Computer

On-screen Display

Hard Disk Usage

○ Once ● Recycle

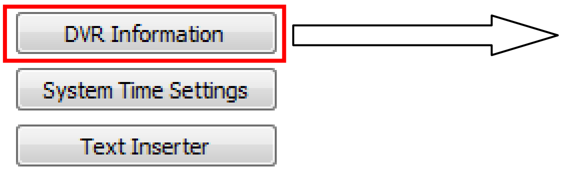
I-Phone

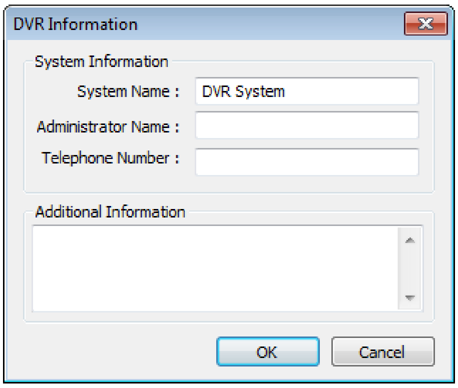
☐ Use I-Phone

Auto-switching Interval: 10 Sec.

1 Sec. 10 Sec.

● DVR information





System Information

System Name : DVR System

Administrator Name :

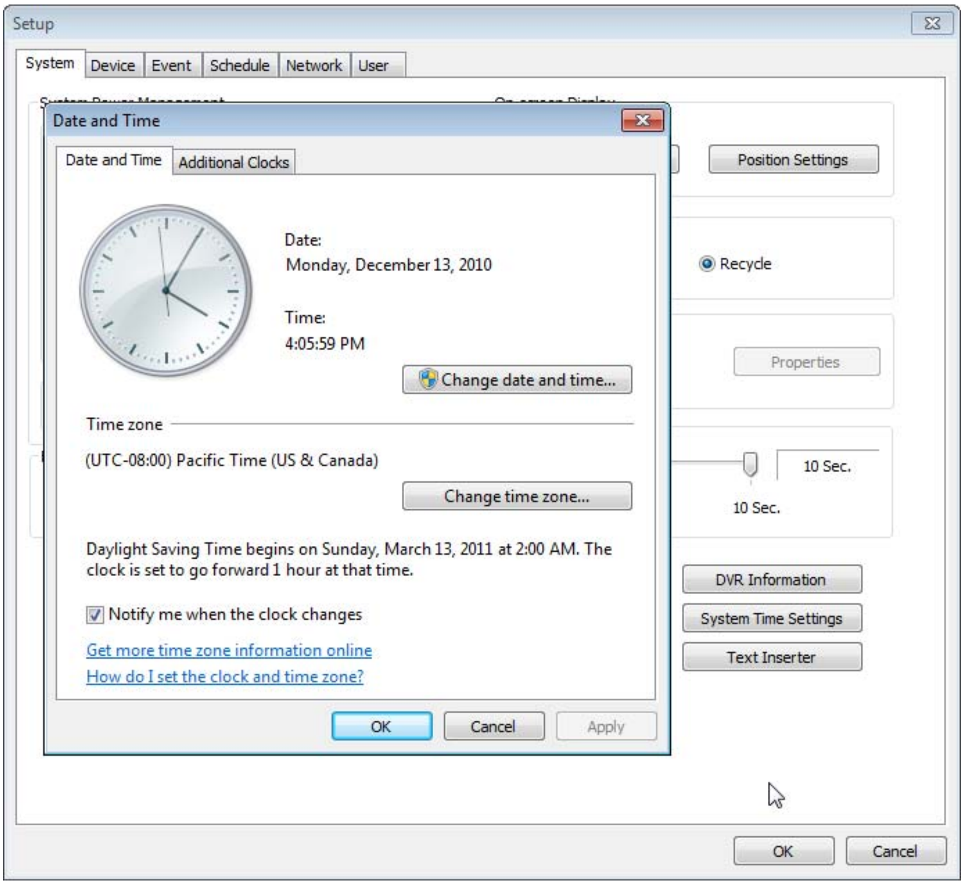
Telephone Number :

Additional Information

Click DVR Information button to open window

Create a system name and put in administrator info. This information will be displayed on outgoing e-mails.

● System Time Setup



Date:
Monday, December 13, 2010

Time:
4:05:59 PM

Time zone

(UTC-08:00) Pacific Time (US & Canada)

Daylight Saving Time begins on Sunday, March 13, 2011 at 2:00 AM. The clock is set to go forward 1 hour at that time.

☑ Notify me when the clock changes

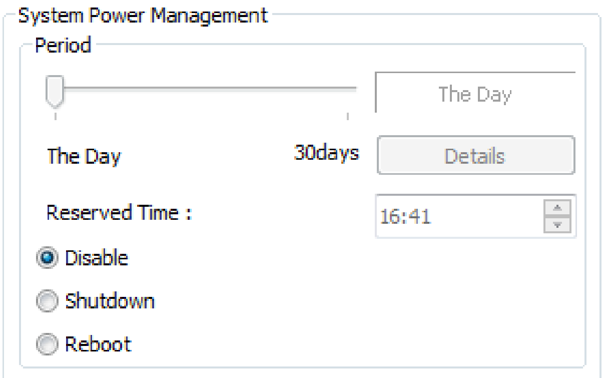
Get more time zone information online

How do I set the clock and time zone?

By clicking “System Time Settings”, user is able to set Date and Time in DVR software.

Change date and time: To change current time manually.
Change time zone: To change Current time zone in DVR system.

● System Power Management

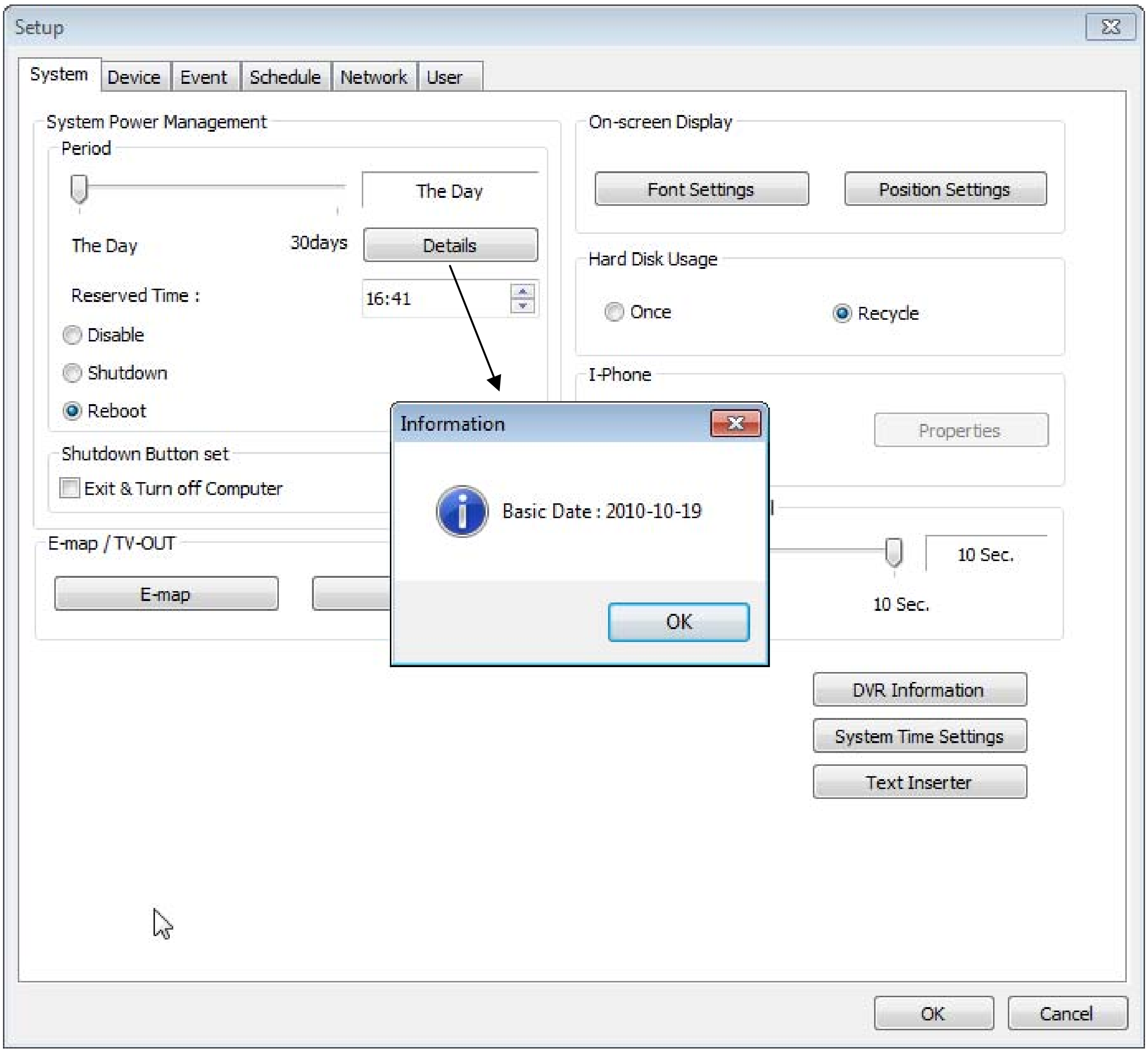


Reserved Time : 16:41

● Disable
○ Shutdown
○ Reboot

Period: Select a day that DVR system reboots automatically by the period.
Reserved time: Time set to shut down or to reboot computer.
Disable: selected when System Power Management is not to be used.
Shutdown: selected when shutting down computer is required at the time set.
Reboot: selected when rebooting computer is required at the time set.

Exit & Turn off Computer: By checking the box, computer will be turned off automatically as a user exits from DVR system.



Period: The Day

Reserved Time : 16:41

○ Disable

○ Shutdown

● Reboot

☐ Exit & Turn off Computer

○ Once ● Recycle

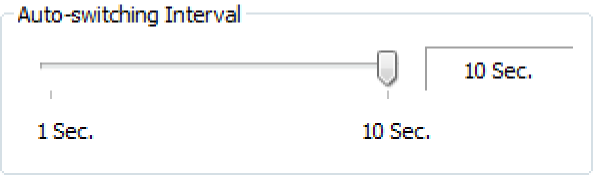
Information

Basic Date : 2010-10-19

OK

Details: First select either “Shutdown” or “Reboot” to enable Period.
For example in above picture, 7 days after the basic date, system will shutdown automatically.
“Details” shows the set date and it will be the starting point.

● Auto-switching Interval

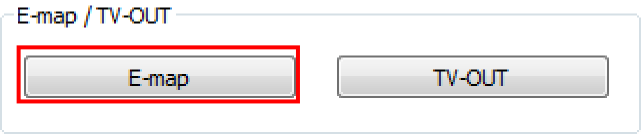


Auto-switching Interval: 10 Sec.

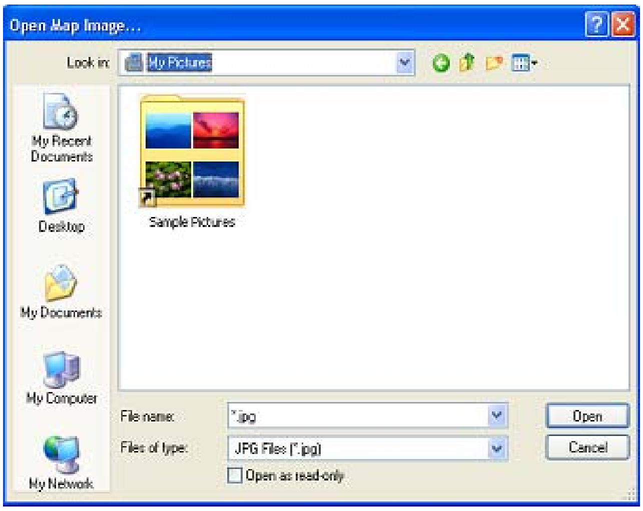
Auto-switching Interval is a function that allows green square around selected camera to move to the next one at the interval set.

e.g.) Camera 1→10 sec.→Camera 2→10 sec.→Camera 3….

● E-map



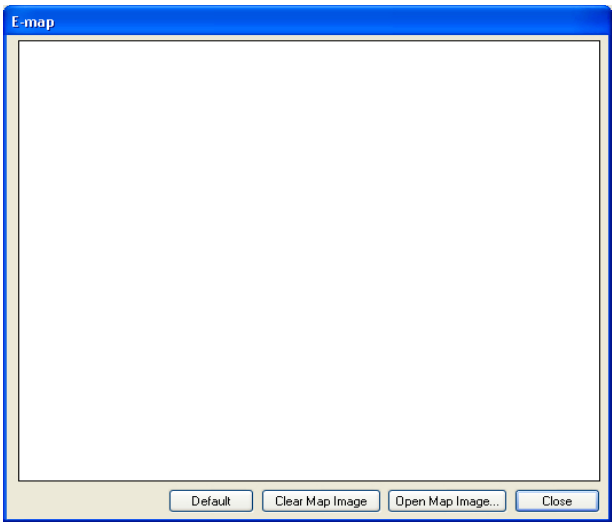
Click on the “E-map” button to design E-map.
Click on “Open Map Image” to select an E-map image.

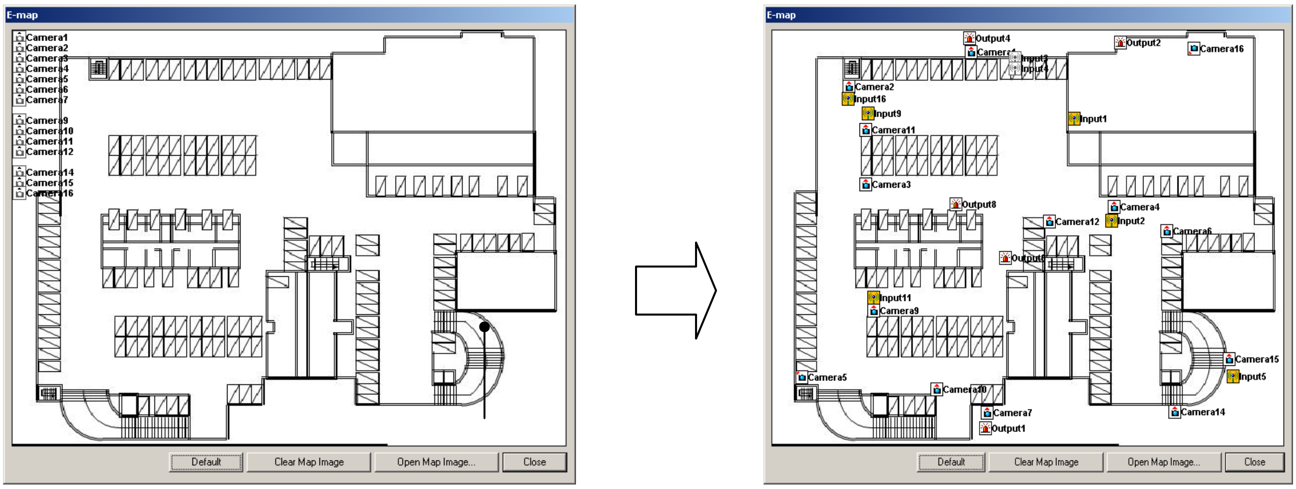


Look in: My Pictures

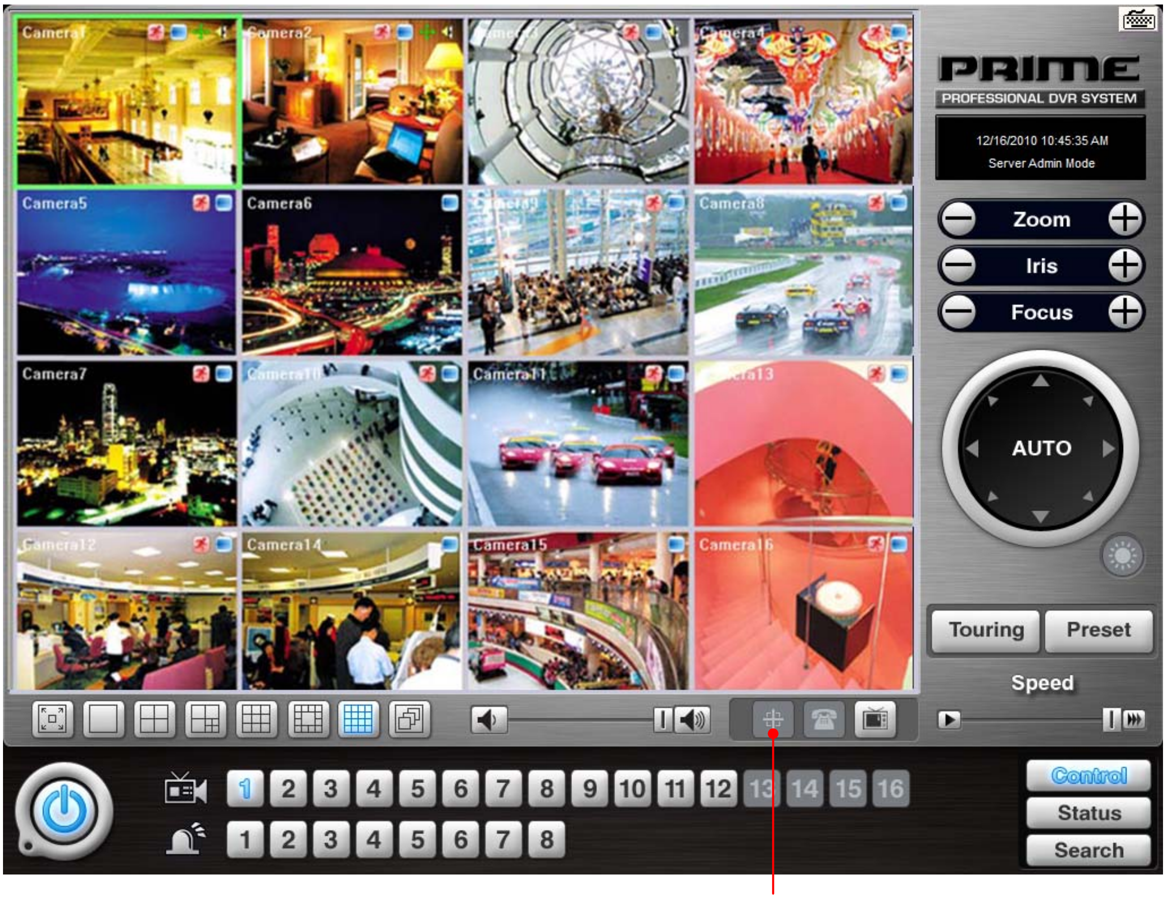
File name: *.jpg

Files of type: JPG Files (*.jpg)



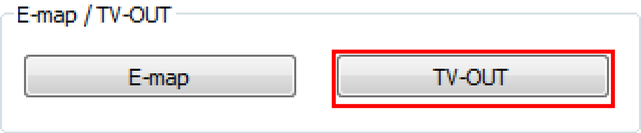


The above is a designed E-map sample.
Drag mouse to position Camera/Input/Output and design E-map.

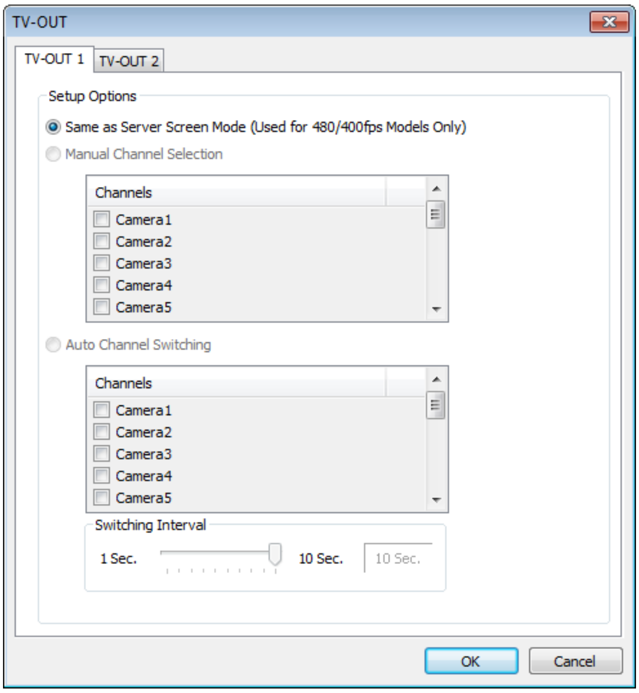


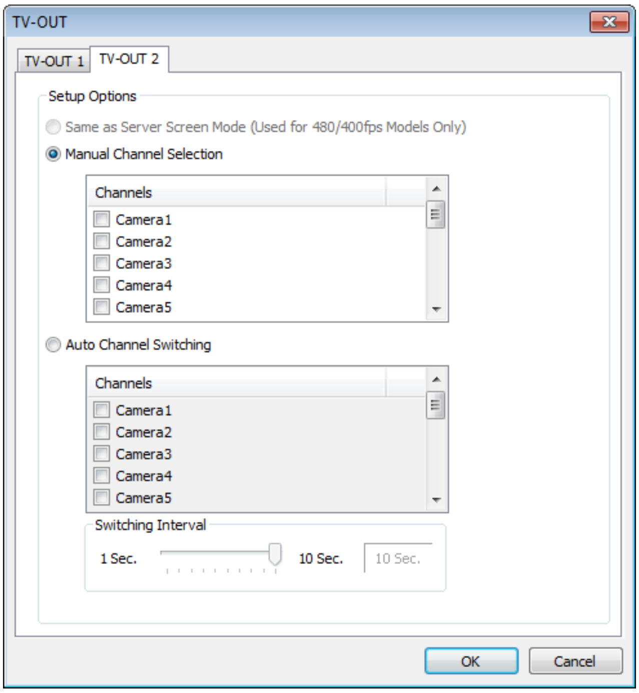
Click on the E-map button to open E-map.
White Camera: Not on Recording, Yellow Camera: On Recording,
White Input/White Output: Not Activated, Yellow Input/Yellow Output: Activated

● TV-OUT



TV-OUT is a function that sends selected cameras to a call monitor (external analog monitor). Click on the “TV-OUT” button for setup.





The Number of TV-out Supported

9030	9060	9120	9240	9448	9632	X948
1	1	1	1	1(2)	2	2

The models such as 9240 (240FPS/240FPS), 9632(480FPS/480FPS), 9832(960FPS/480FPS) and X948(480FPS/480FPS) support 2 TV-OUTs. And the rest of the models support 1.

Setup Options:

1. Same as Server Screen Mode

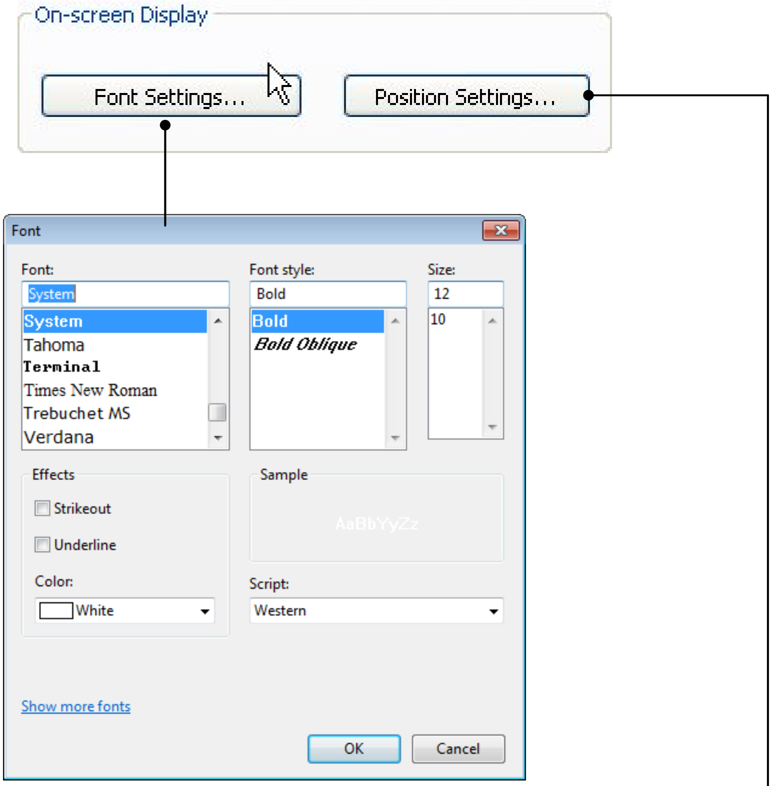
   (9448, 9632 and X948 only) - TV-OUT Monitor displays what’s on DVR server.

   Manual Channel Selection - Channels are selected manually. Once “Manual Channel Selection” is selected, channels can also be selected manually on Control screen by placing mouse on camera picture and clicking the right mouse.

2. Auto Channel Switching - Selected channels rotate to display at the switching interval set.

Switching Interval: The length of time to stay at one camera

● On-screen Display



Font: System

Font style: Bold

Size: 12

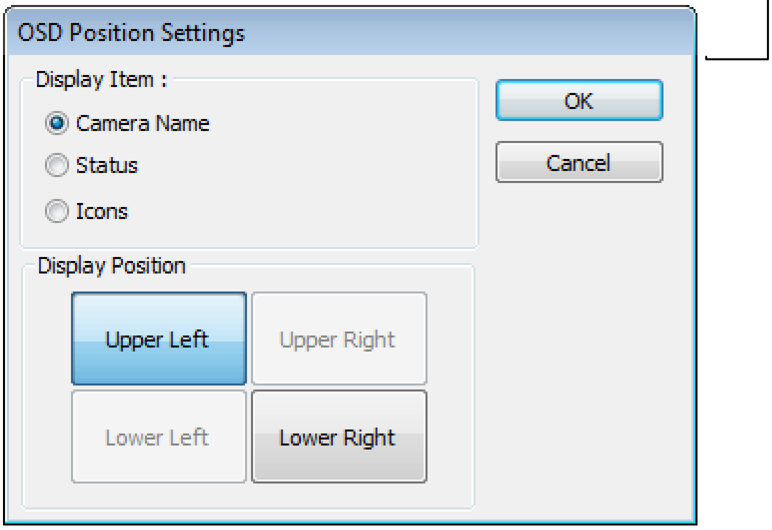
☐ Strikeout

☐ Underline

Color: White

Script: Western

Font Settings: Font change on screen display.



Display Item :

● Camera Name

○ Status

○ Icons

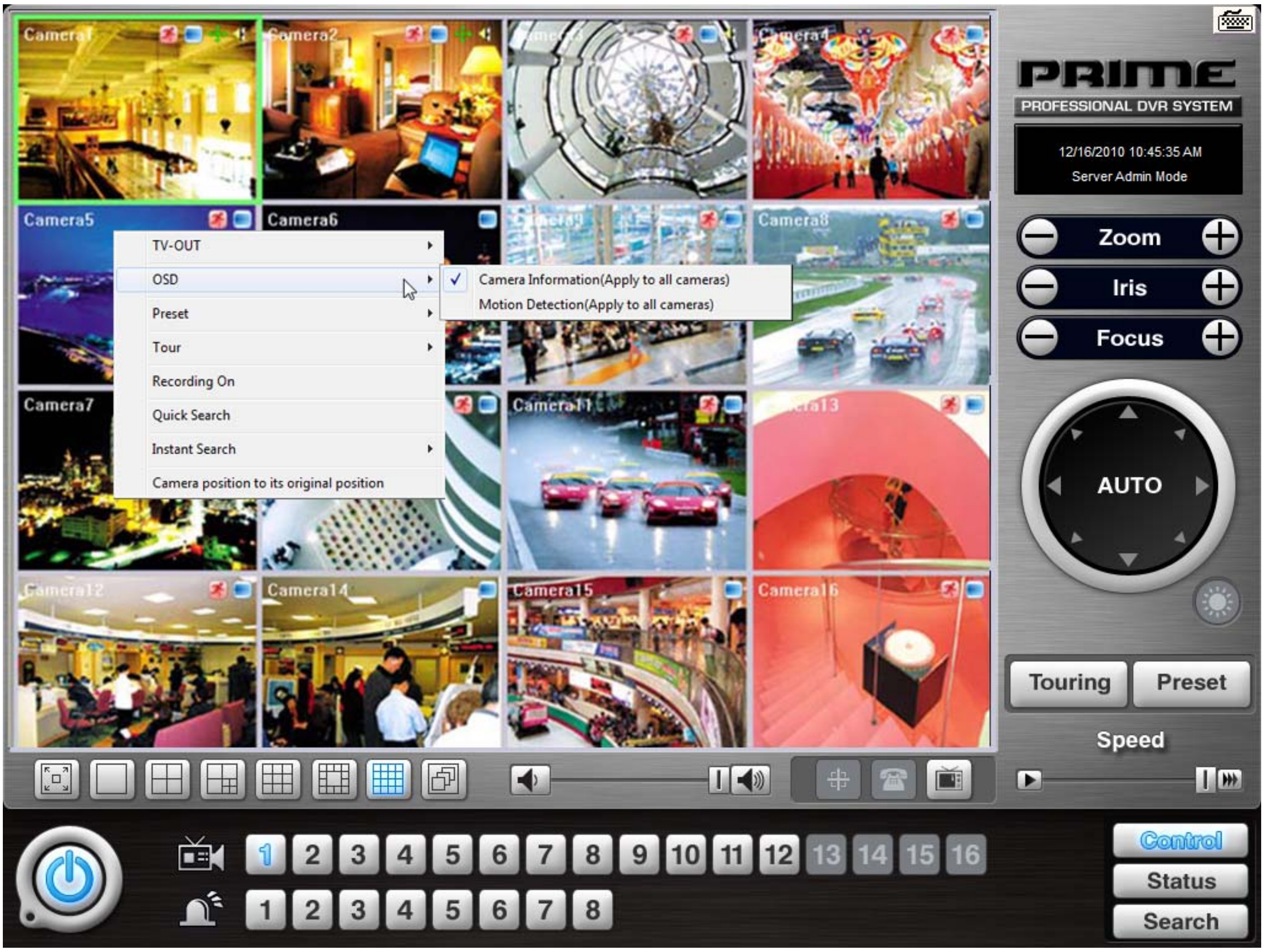
Display Position

Postion Setting: Position change on screen display.

On a control screen, you may click right mouse button to control OSD as below.

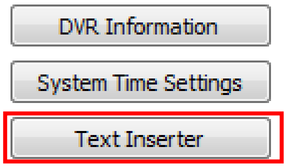
Camera Information:
By checking it, camera names and status will be displayed on camera pictures.

Motion Detection: By checking it, green motion detection blocks will be displayed on camera pictures when recording schedule is set as “M” (Setup/Schedule).

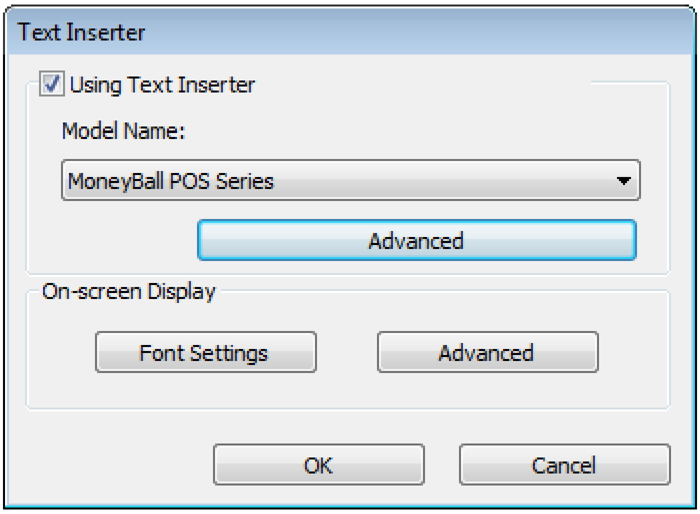


Note: One right mouse click can be a very useful tool. Manual TV-out and OSD setup can be done. Additionally, instant recording can start by one click.

● Text Inserter



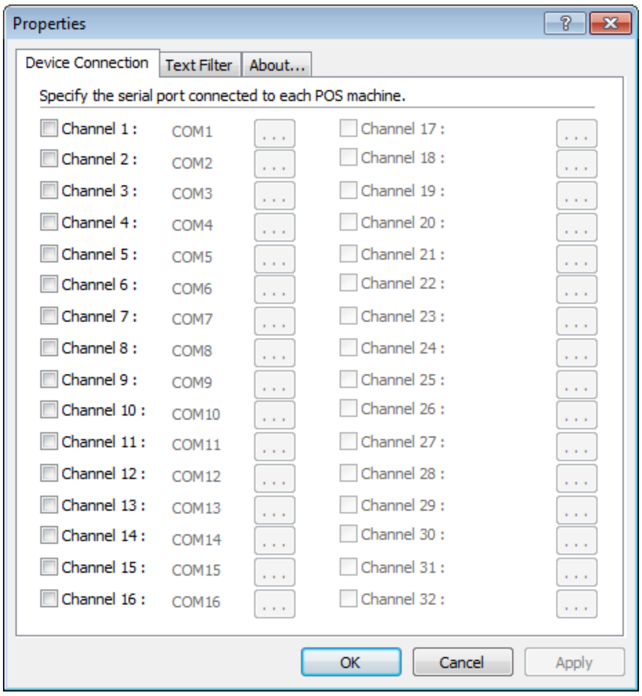
Text Inserter is a function that allows DVR system to integrate with POS machines. Simply select POS driver like selecting PTZ driver to enable POS text inserter program and transactions that occur will be displayed on selected camera pictures. Transaction recording and text search are possible as well.
For more detailed installation and information, refer to Appendix 1.



☑ Using Text Inserter
Model Name: MoneyBall POS Series

How to Set

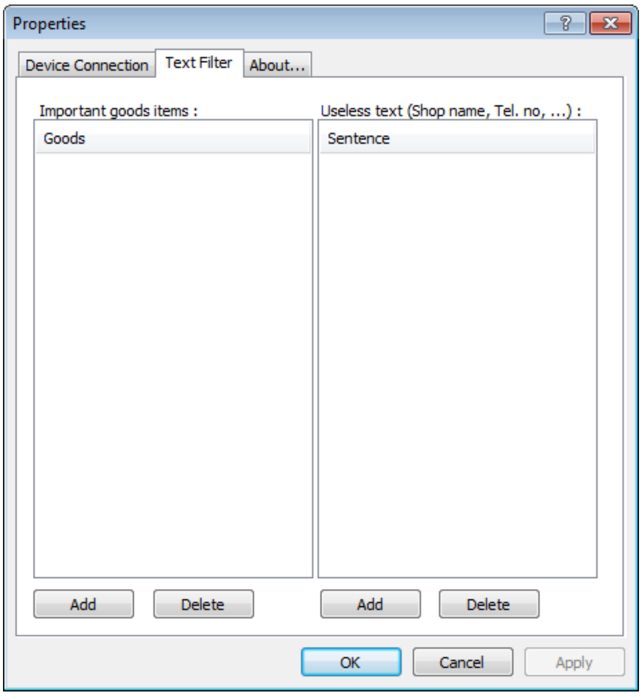
1. Tick the “Using Text Inserter”
2. Choose a connected POS driver.
   (POS driver is addable as PTZ protocol adding.)
3. Click on Advanced to set hardware feature.



Specify the serial port connected to each POS machine.

☐ Channel 1 :	COM1	☐ Channel 17 :	
☐ Channel 2 :	COM2	☐ Channel 18 :	
☐ Channel 3 :	COM3	☐ Channel 19 :	
☐ Channel 4 :	COM4	☐ Channel 20 :	
☐ Channel 5 :	COM5	☐ Channel 21 :	
☐ Channel 6 :	COM6	☐ Channel 22 :	
☐ Channel 7 :	COM7	☐ Channel 23 :	
☐ Channel 8 :	COM8	☐ Channel 24 :	
☐ Channel 9 :	COM9	☐ Channel 25 :	
☐ Channel 10 :	COM10	☐ Channel 26 :	
☐ Channel 11 :	COM11	☐ Channel 27 :	
☐ Channel 12 :	COM12	☐ Channel 28 :	
☐ Channel 13 :	COM13	☐ Channel 29 :	
☐ Channel 14 :	COM14	☐ Channel 30 :	
☐ Channel 15 :	COM15	☐ Channel 31 :	
☐ Channel 16 :	COM16	☐ Channel 32 :	

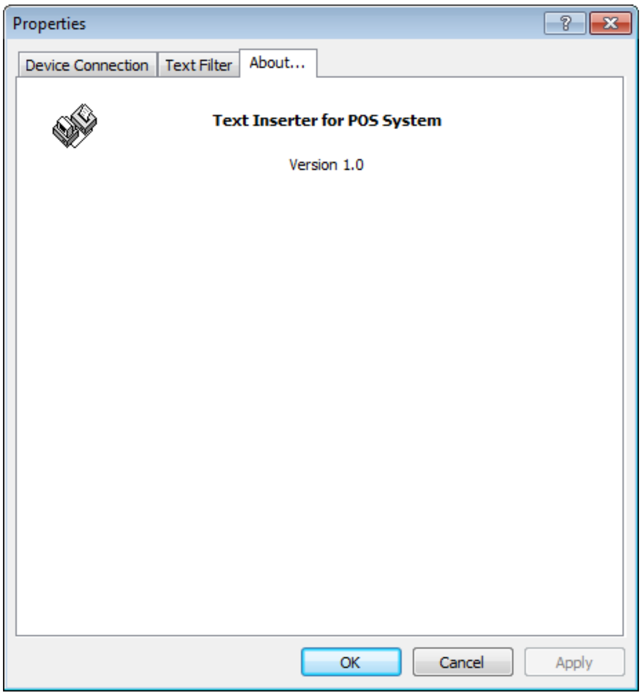
Device Connection: Select camera(s) and a comport connected with POS system(s)



Text Filter: Register important goods and useless text to display distinguishably and search POS data conveniently.

Important goods items: Pre-registered items will be displayed in red characters.

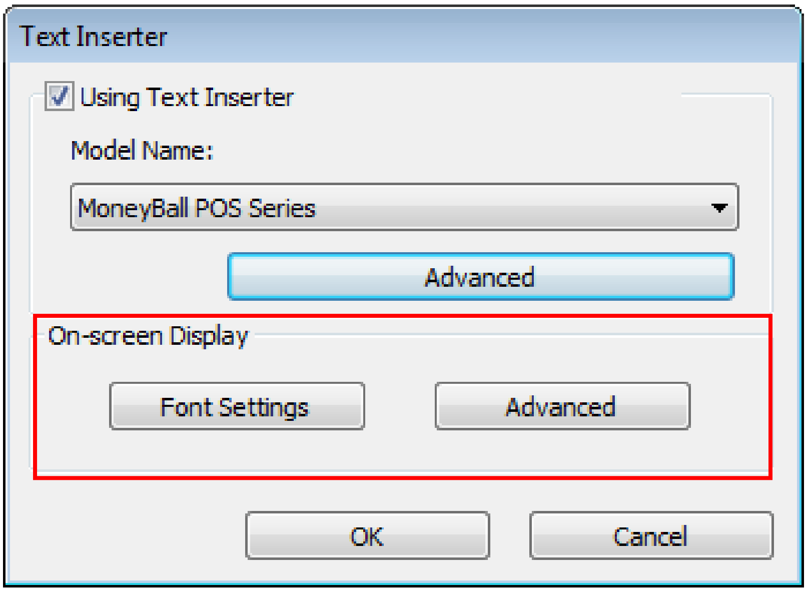
Useless text: It is not going to be displayed during transaction.



Text Inserter for POS System

Version 1.0

About: Shows POS S/W version.

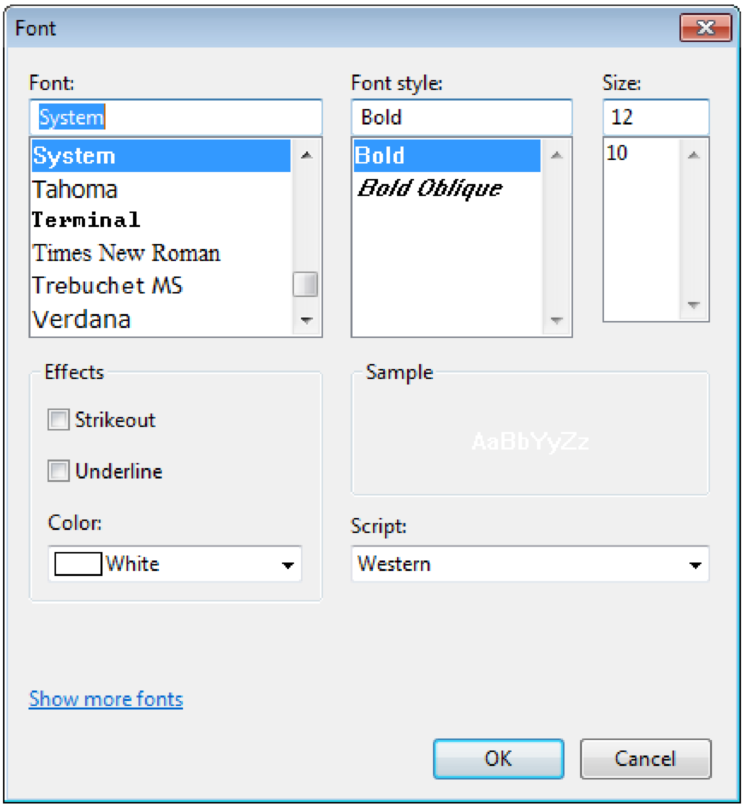

Text Inserter

☑ Using Text Inserter

Model Name: MoneyBall POS Series

Font Settings:
Font change on screen display.

Advanced:
Position change on screen display.


Font

Font: System

Font style: Bold

Size: 12

Effects

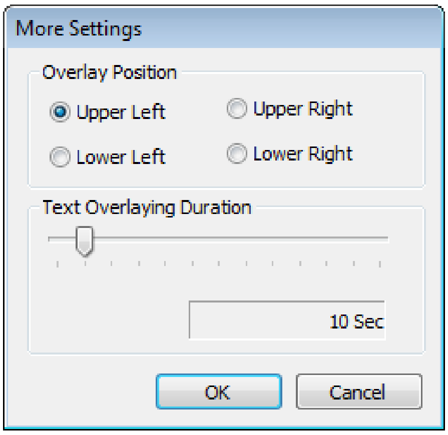
☐ Strikeout

☐ Underline

Color: White

Sample: AaBbYyZz

Script: Western


More Settings

Overlay Position

● Upper Left ○ Upper Right

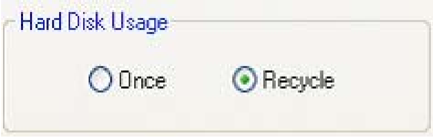
○ Lower Left ○ Lower Right

Text Overlaying Duration: 10 Sec

Overlay Position:
Specify position of POS overlay.

Text Overlaying Duration:
Specify duration of POS data shows.

● Hard Disk Usage

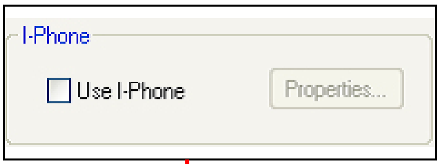


Hard Disk Usage

○ Once ● Recycle

Hard Disk Usage is to select data storage method. If “Once” is selected, data will be stored up to the point where HDD reaches its maximum capacity. If “Recycle” is selected, data will be overwritten from the point HDD reaches its maximum capacity based on “First In First Out”.

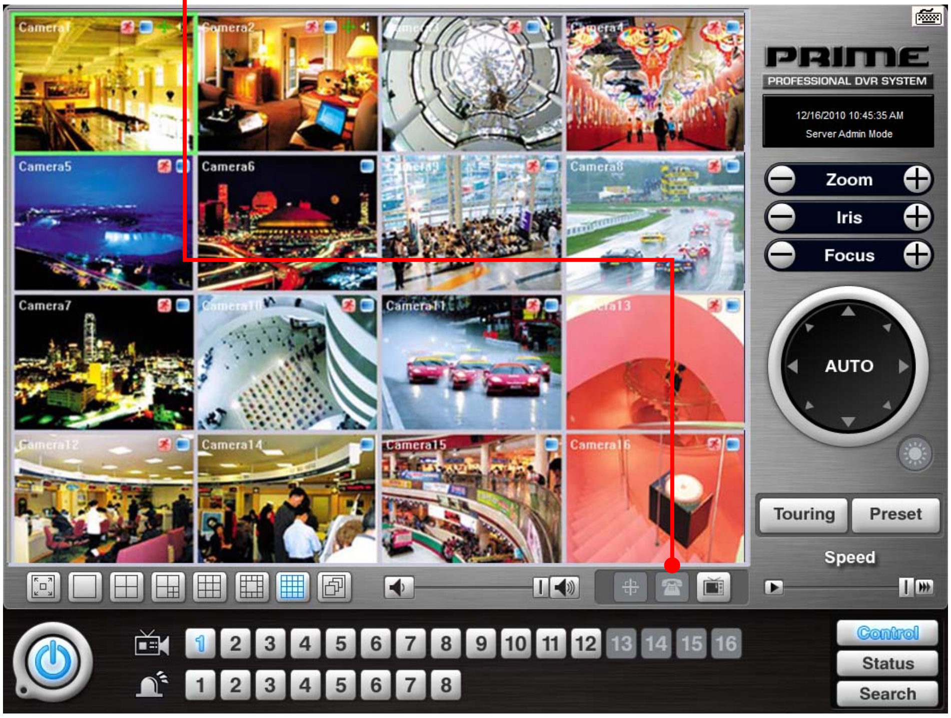
● I-Phone (Two-Way Audio Communication)

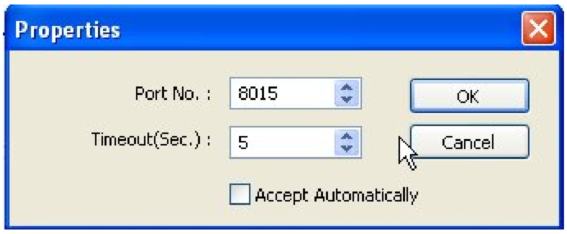


I-Phone

☐ Use I-Phone

I-Phone is “Two-Way Audio Communication”.
Check the box, go to Control Screen, and click on the I-Phone button for audio communication.
For more detailed I-Phone setup, refer to Appendix “Two Way Audio Communication.





Properties

Port No. : 8015

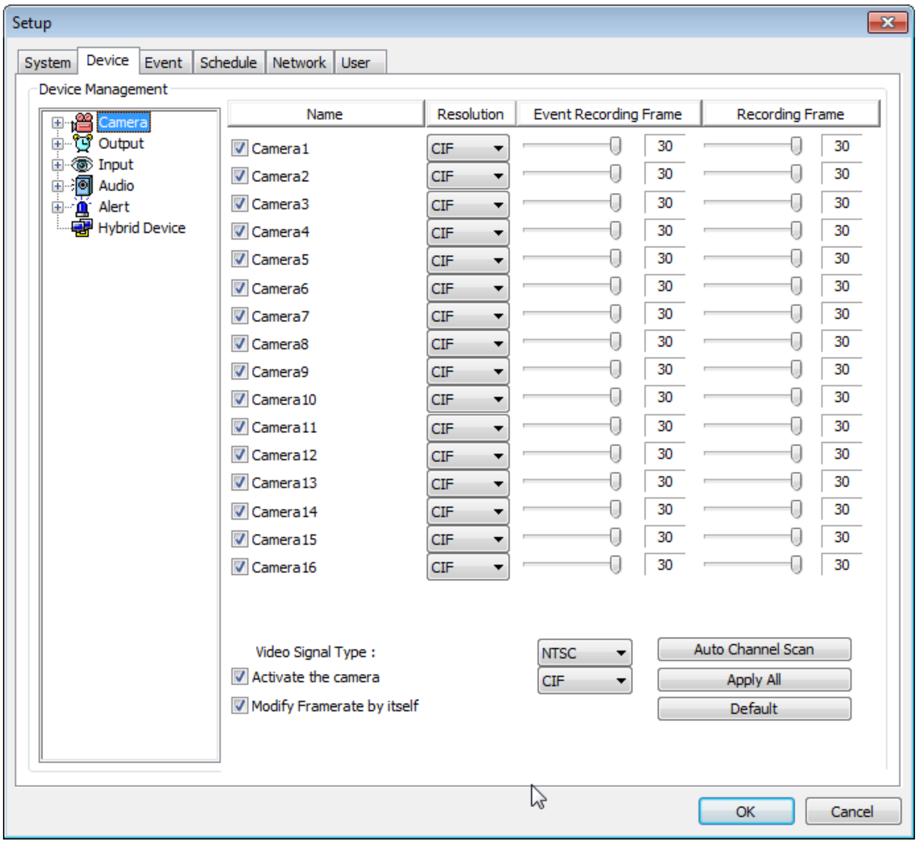
Timeout(Sec.) : 5

☐ Accept Automatically

Port No.:
A port number for I-Phone use has to be set up. Normally the default value is good to use.
Timeout: It indicates the maximum length of connection trial. If there is no response within the value set, call will be cancelled.

Accept Automatically:
To accept counter part’s IP-phone connection without checking a confirmation message.

(2) Device



Name	Resolution	Event Recording Frame	Recording Frame
☑ Camera1	CIF	30	30
☑ Camera2	CIF	30	30
☑ Camera3	CIF	30	30
☑ Camera4	CIF	30	30
☑ Camera5	CIF	30	30
☑ Camera6	CIF	30	30
☑ Camera7	CIF	30	30
☑ Camera8	CIF	30	30
☑ Camera9	CIF	30	30
☑ Camera10	CIF	30	30
☑ Camera11	CIF	30	30
☑ Camera12	CIF	30	30
☑ Camera13	CIF	30	30
☑ Camera14	CIF	30	30
☑ Camera15	CIF	30	30
☑ Camera16	CIF	30	30

Video Signal Type : NTSC

☑ Activate the camera CIF

☑ Modify Framerate by itself

Device sub-screen is divided into 5 different setup categories; Camera, Output, Input, Audio Alert and Hybrid Device. (Hybrid Device category will be added by install hybrid driver. To integrate Hybrid device on 5.5.4.0 refer to page 52. “Hybrid Device”)

All devices in each category can be set up on one same page.

● Camera

Cameras will be enabled by checking the boxes.

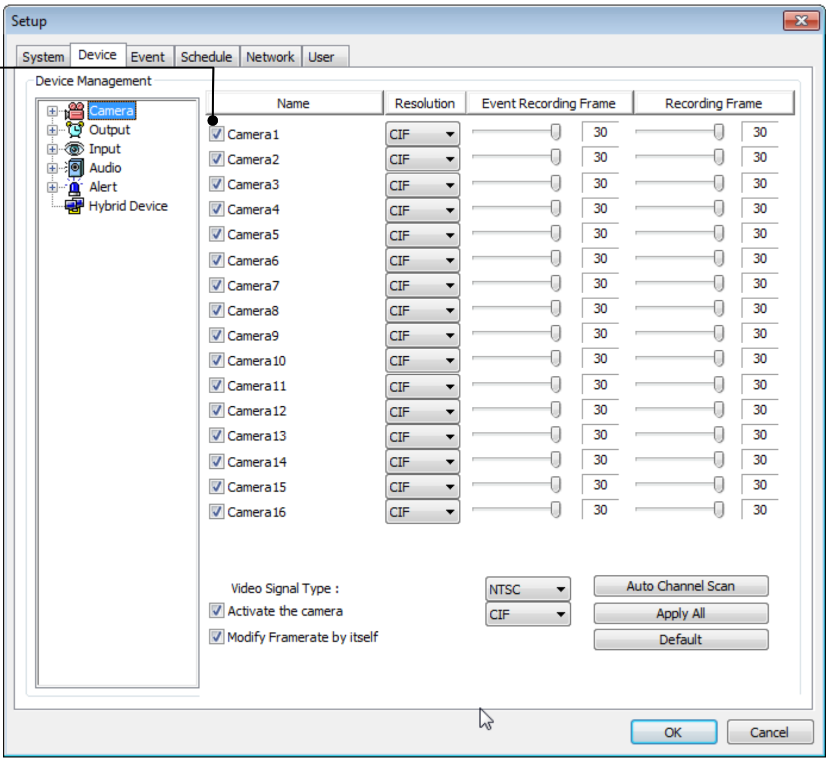
Different resolutions and recording frame rates can be set up for different cameras.

Video Signal Type:
Select either NTSC or PAL.

Auto Channel Scan:
It automatically identifies all the active video channels. Make sure to always click and scan after S/W version change.

Default:
It sets “Event Recording Frame” and “Recording Frame” as default values.

Modify Frame rate by itself: Frame will be adjusted automatically by select resolution



Name	Resolution	Event Recording Frame	Recording Frame
☑ Camera1	CIF	30	30
☑ Camera2	CIF	30	30
☑ Camera3	CIF	30	30
☑ Camera4	CIF	30	30
☑ Camera5	CIF	30	30
☑ Camera6	CIF	30	30
☑ Camera7	CIF	30	30
☑ Camera8	CIF	30	30
☑ Camera9	CIF	30	30
☑ Camera10	CIF	30	30
☑ Camera11	CIF	30	30
☑ Camera12	CIF	30	30
☑ Camera13	CIF	30	30
☑ Camera14	CIF	30	30
☑ Camera15	CIF	30	30
☑ Camera16	CIF	30	30

Video Signal Type : NTSC
☑ Activate the camera CIF
☑ Modify Framerate by itself

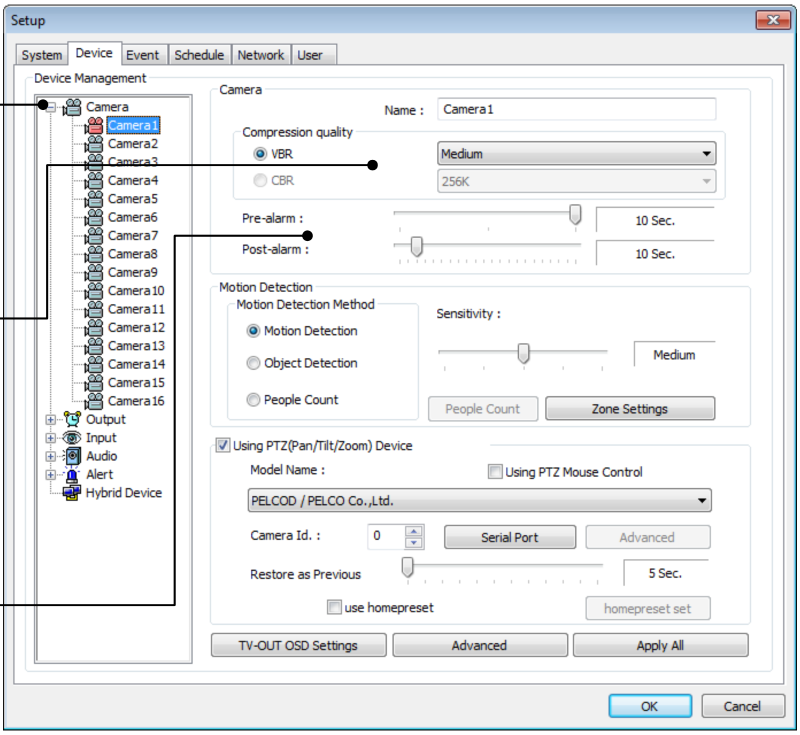
[Camera]

Double-click on “Camera”for more individual Camera setup.

Select recording picture quality. CBR can be set with X948 (H.264 hardware compression) only.

Pre-alarm (max. 10 sec.):
Length of time to be recorded before event

Post-alarm (max. 10 min.):
Length of time to be recorded after event

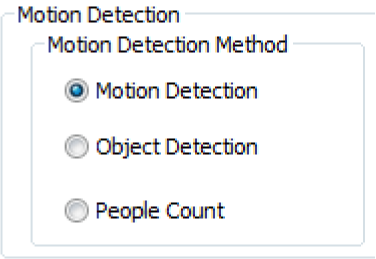


Camera
Name : Camera1
Compression quality
● VBR Medium
○ CBR 256K
Pre-alarm : 10 Sec.
Post-alarm : 10 Sec.

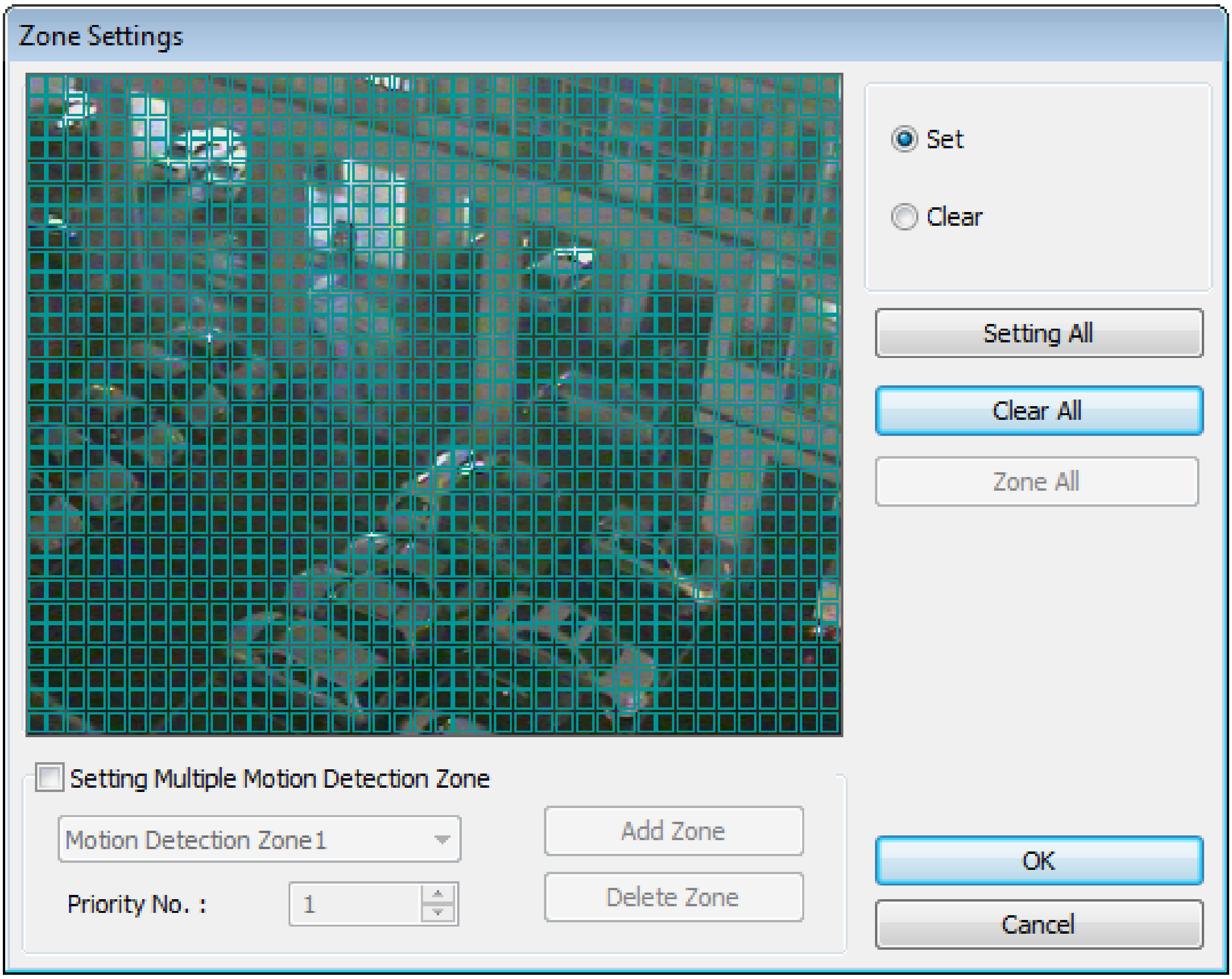
Motion Detection
Motion Detection Method
● Motion Detection
○ Object Detection
○ People Count
Sensitivity : Medium

☑ Using PTZ(Pan/Tilt/Zoom) Device
Model Name : ☐ Using PTZ Mouse Control
PELCOD / PELCO Co.,Ltd.
Camera Id. : 0
Restore as Previous 5 Sec.
☐ use homepreset

[Motion Detection]

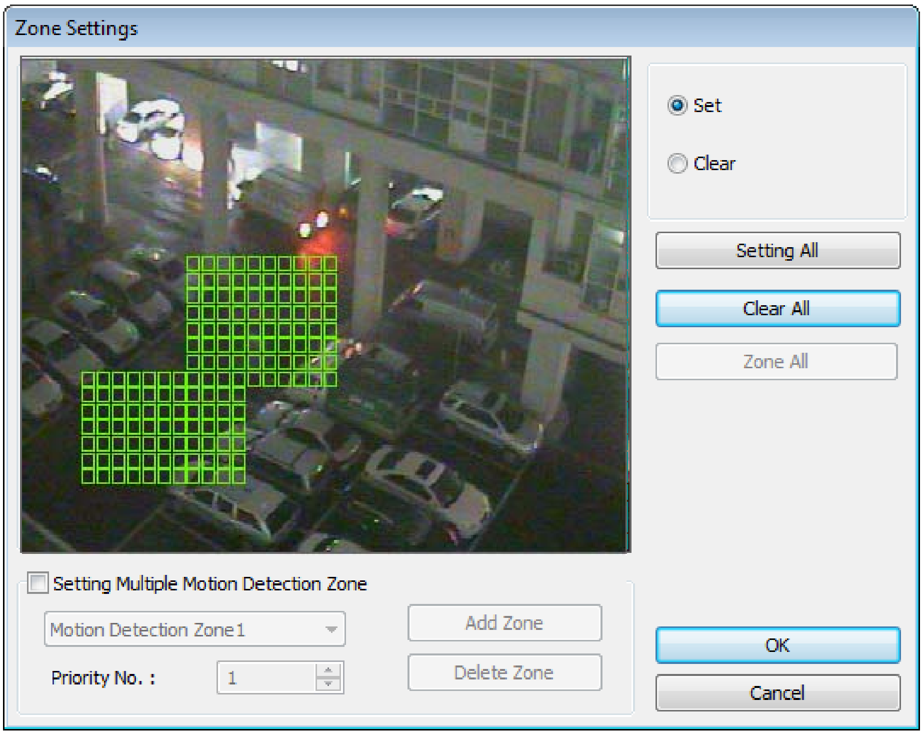


Select a function between Motion detection, Object detection and People Count. Motion detection is a function that DVR software detects every movement or motion by comparing a frame with its previous frame.



Zone Setting:

1. Drag mouse on desired place to set motion detection zones.
2. To clear the zones set, click on “Clear all” or drag mouse after click on “clear”.



● Set ○ Clear

☐ Setting Multiple Motion Detection Zone

Motion Detection Zone1

Priority No. : 1

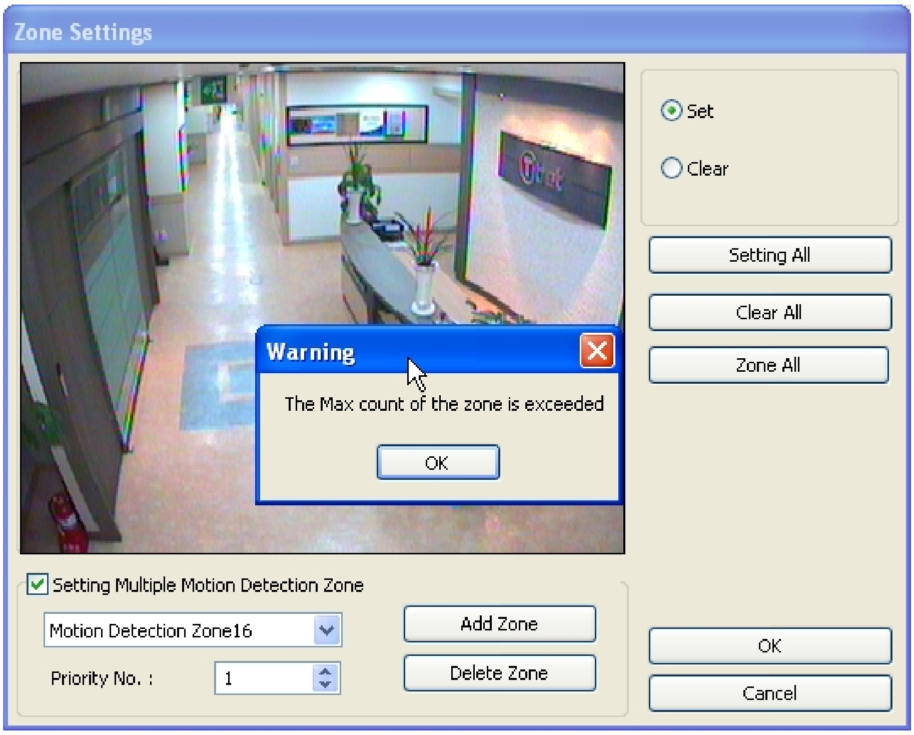
Setting Multiple Motion Detection Zone:

To set more than one motion detection zone.

Possible up to 16 motion detection zones with all different colors.

How to set:

Click on “Add Zone” and select another zone desired to be detected.



The Max count of the zone is exceeded

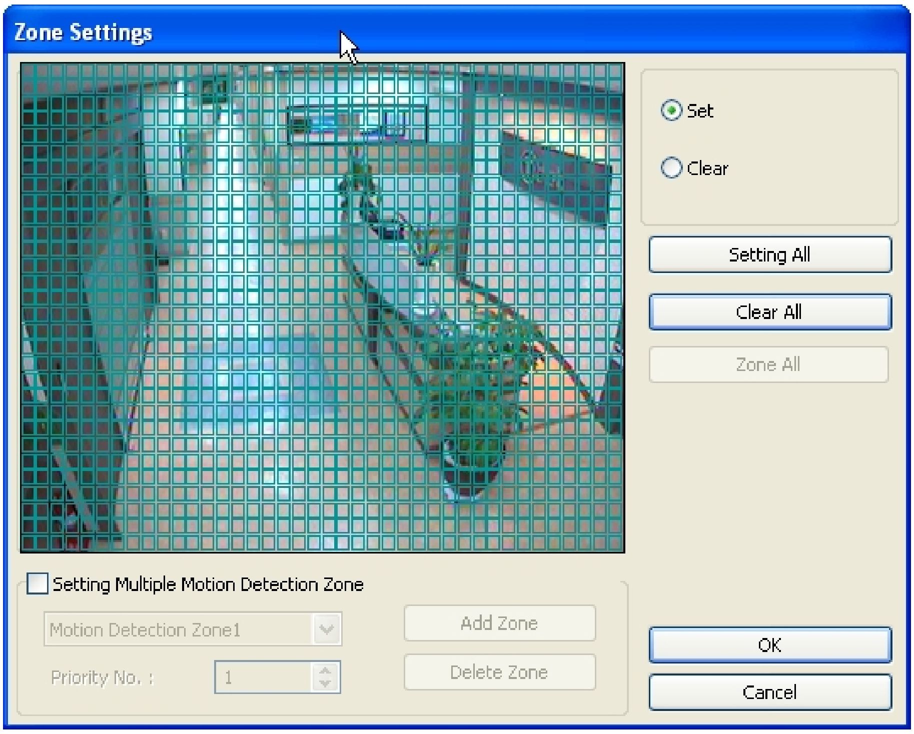
● Set ○ Clear

☑ Setting Multiple Motion Detection Zone

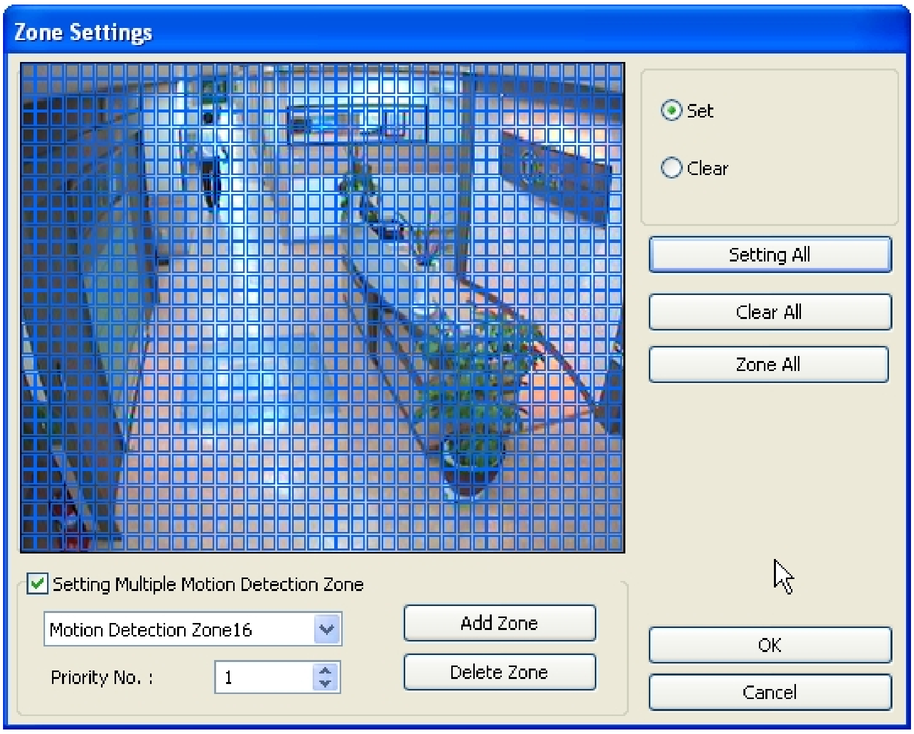
Motion Detection Zone16

Priority No. : 1

Note: If the number of zones exceeds 16, above error message will be appeared.



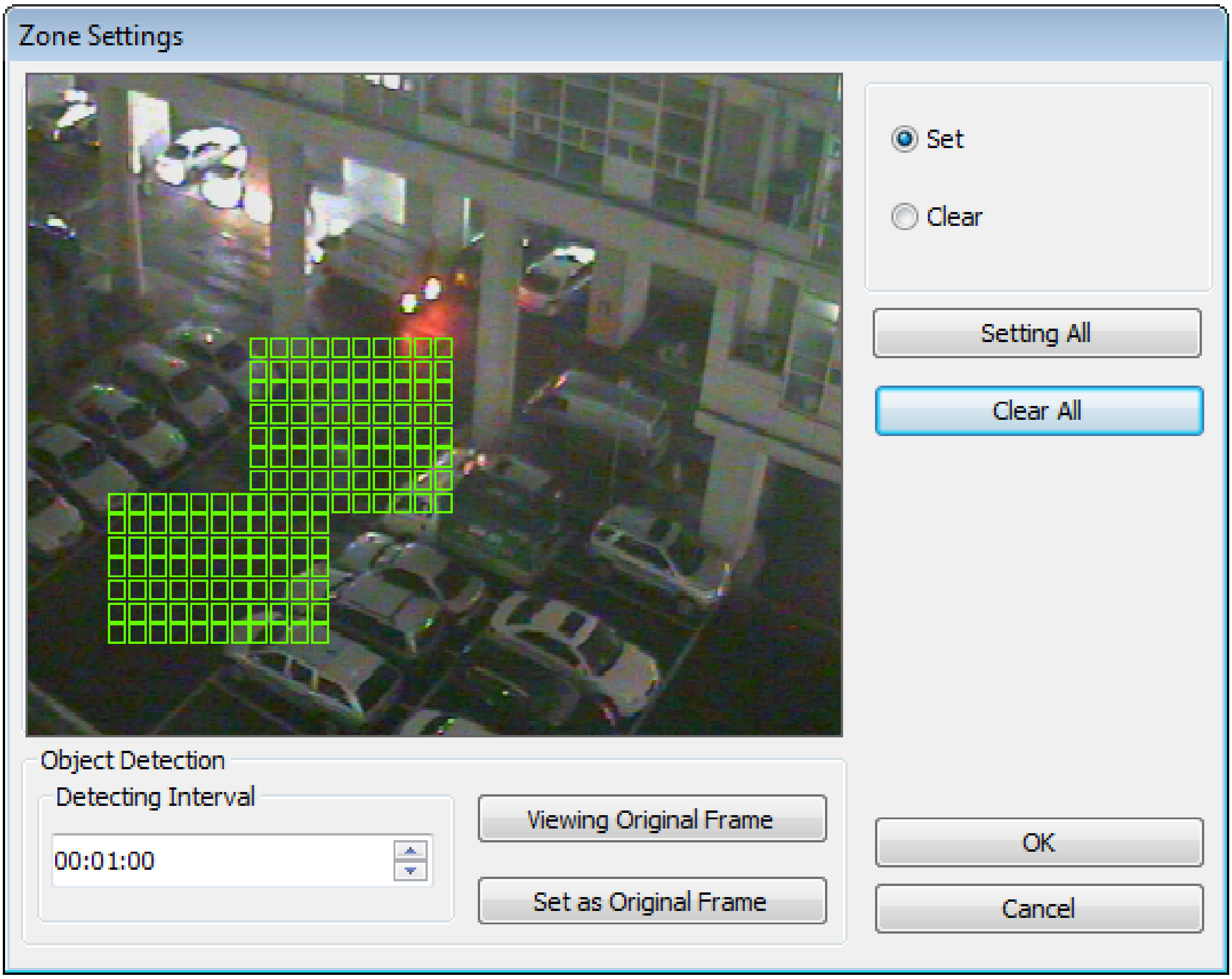
Zone All: Displays all areas together that have been set for the zones.



Setting All: Selects whole area

Delete Zone: Deletes zones one by one.

[Object Detection]



Detecting Interval: 00:01:00

It is a function that marks all the changes occurred from the original scene.
DVR will detect new & missing objects after a certain period of time (detecting interval).

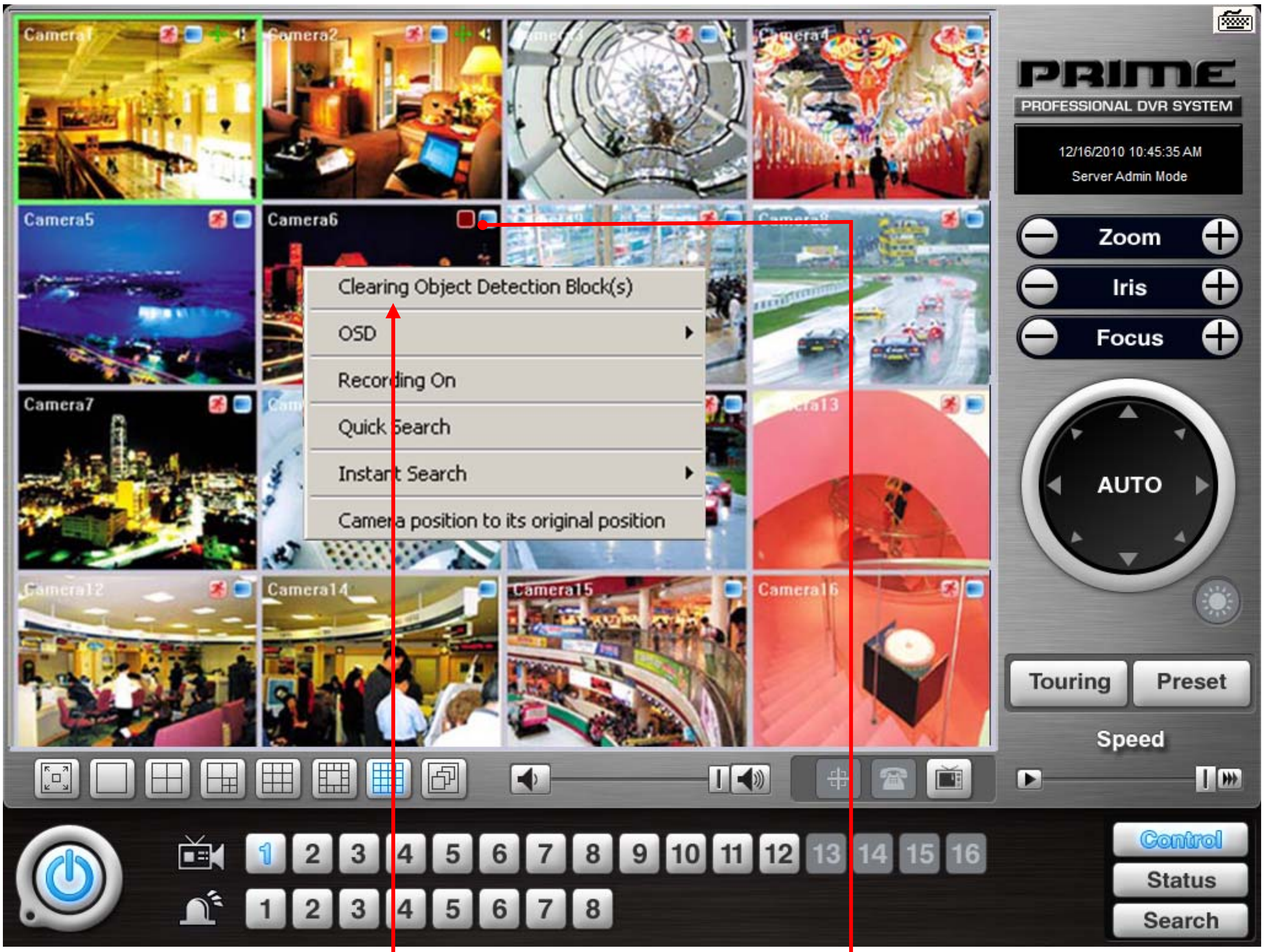
Detecting Interval: An interval that DVR tries repeatedly to detect any object change in the zone set. For example, if the object is appeared and remained only 5 seconds, it will not be detected in case 1 min. detecting interval is set as above.

Viewing Original Frame: Checking an original image set.
Set as Original Frame: Save an original image to be surveilled to check missing or appeared object.

Set: To mark a zone.

Setting All: Select all zone in a selected channel

Clear All: To clear set zone.



Click the right mouse and select “Clear Object Detection Blocks” to remove all the blocks.

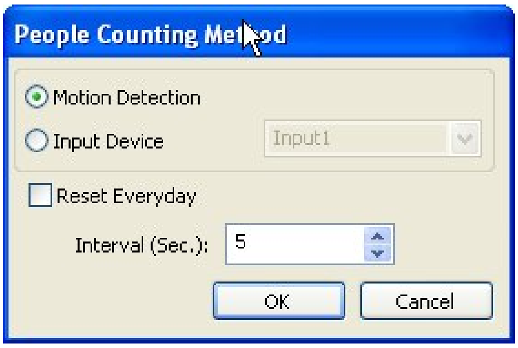
Object Detection icon

How to Set up:

1. Tick the “Object Detection” box and click on “Zone Settings”.
2. Drag the mouse to select object detection zone (same as “Motion Detection”).
3. Click on the “Set Frame” button to select original (default) image.
4. Go to “Detection Interval” and determine when to mark new object after its pause.
5. Go to “Setup/Schedule” and select “M”
6. Go to the “Control Screen” and find the red-squared “Object Detection” symbol.
7. One click on the “View Original Frame” button will display original image set.
8. Click it again to reactivate the “Set Frame” button.

[People Count]

It is a function that counts people coming in and out of a certain place.



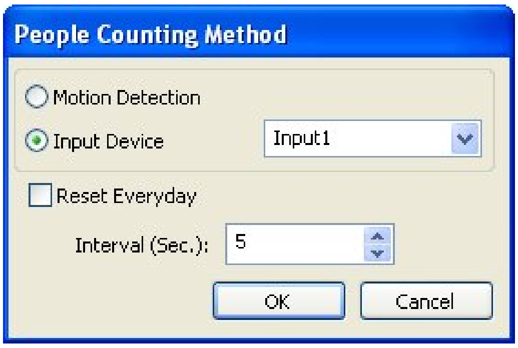
People Counting Method

● Motion Detection

○ Input Device   Input1

☐ Reset Everyday

Interval (Sec.): 5



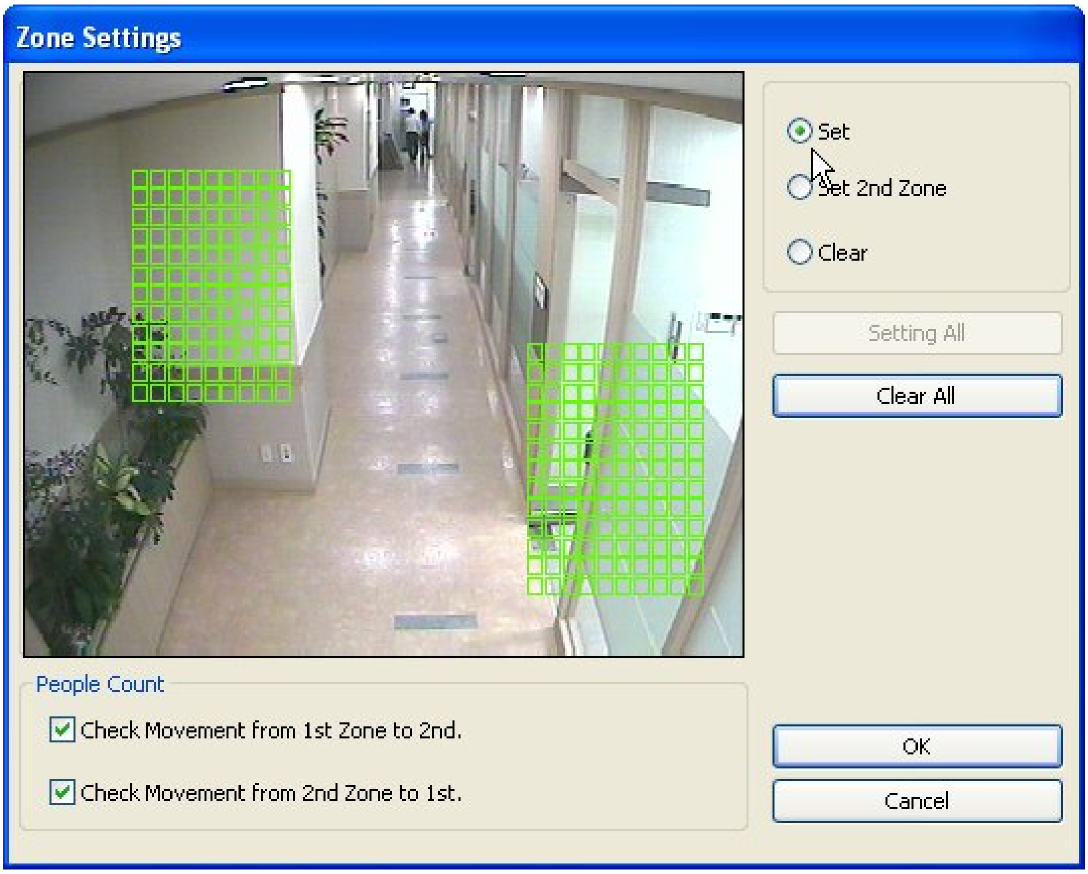
People Counting Method

○ Motion Detection

● Input Device   Input1

☐ Reset Everyday

Interval (Sec.): 5



Zone Settings

● Set

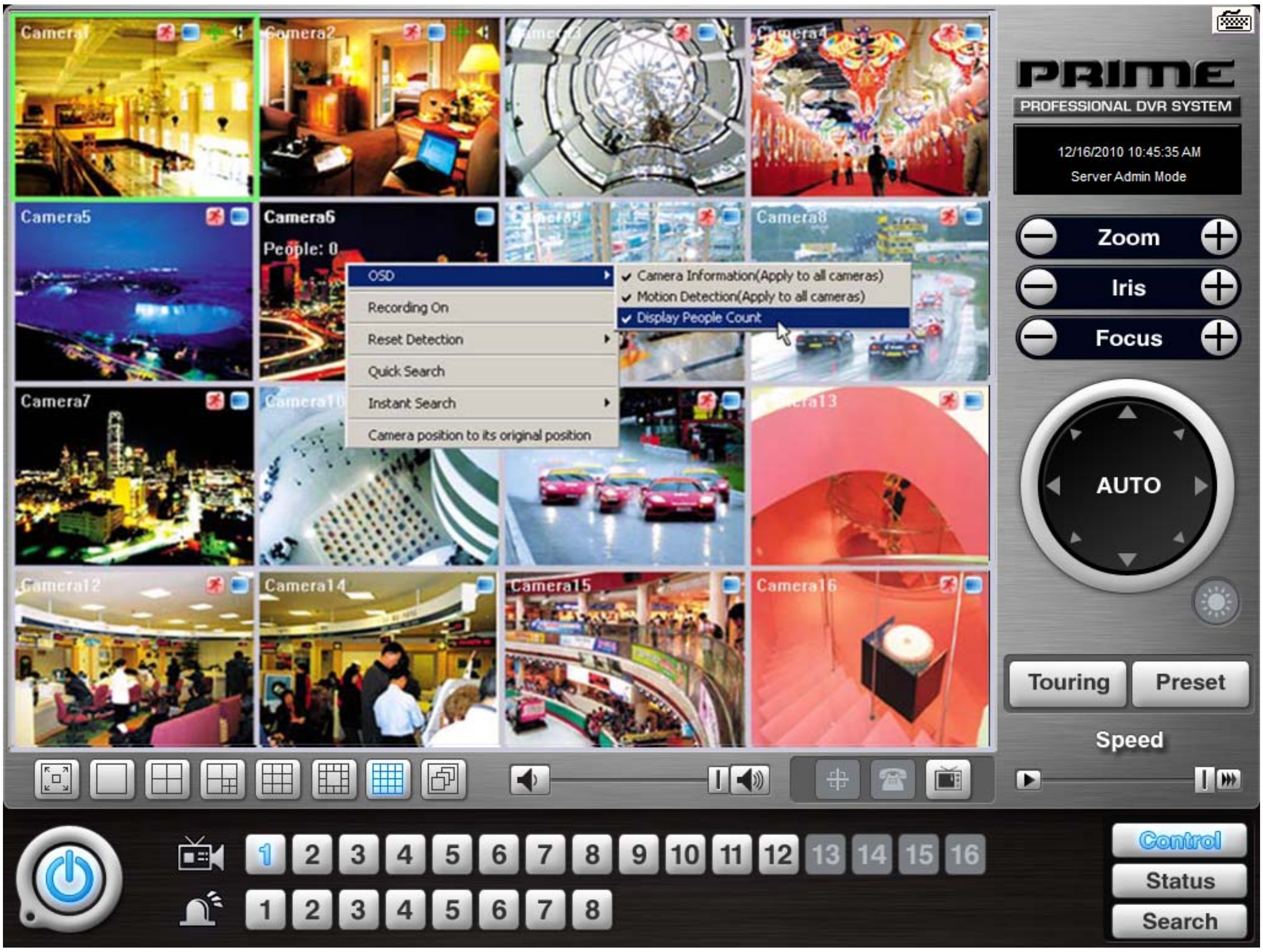
○ Set 2nd Zone

○ Clear

People Count

☑ Check Movement from 1st Zone to 2nd.

☑ Check Movement from 2nd Zone to 1st.



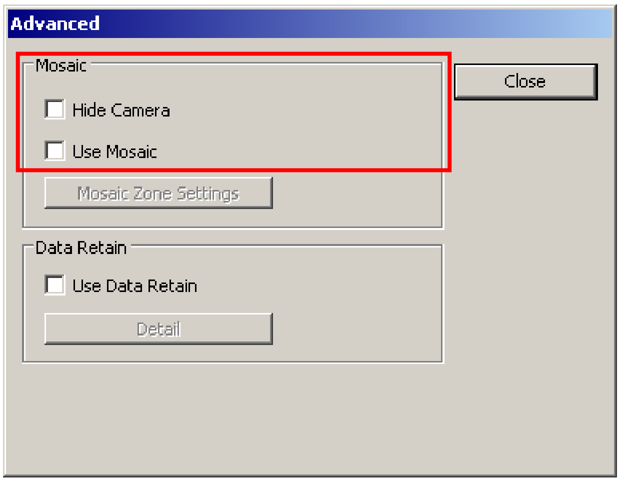
How to Set up:

1. Set Count Interval.
2. Set zone by dragging mouse.
3. If a directional counting is needed, select one.

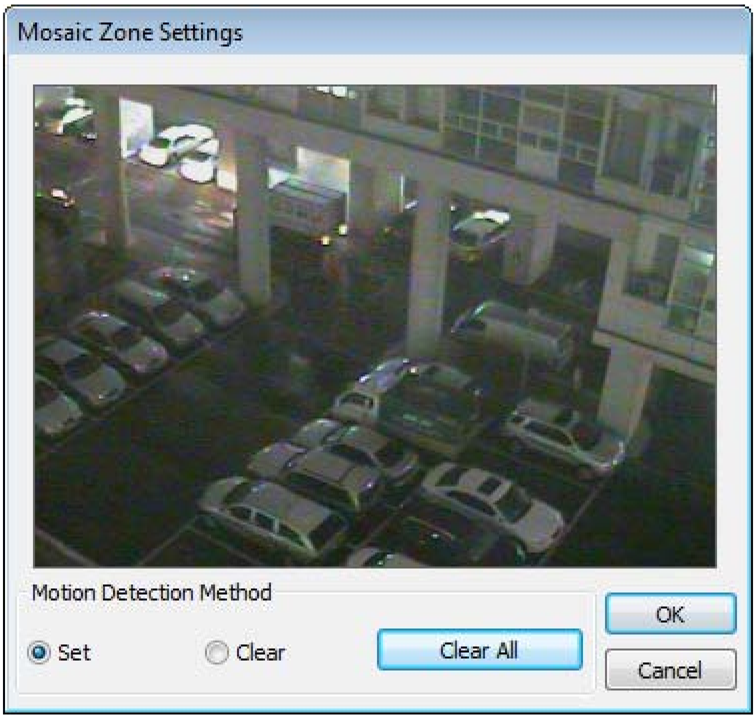
Motion Detection: Counting by Motion Detection.
Input Device: Counting by Input Device such as sensor.
Reset Everyday: Tick box to reset everyday automatically.
Interval (Sec.): Counting interval from the time object is detected.
Check Movement from 1st Zone to 2nd: Counting based on the direction a place to another.
Check Movement from 2nd Zone to 1st: Counting based on the direction a place to another.
Set: Set the first zone.
Set 2nd Zone: Set the second zone to be detected.
Clear: Clear the zone selected.
Setting All: Selects all areas on the screen.
Clear All: Clear all zones selected.

[Mosaic]

It is a function that veils restricted areas to keep regular users uninformed.
Hide



Hide Camera: If "Hide Camera" is selected, every user except admin cannot see relevant channel.



How to Set up Mosaic Zone:

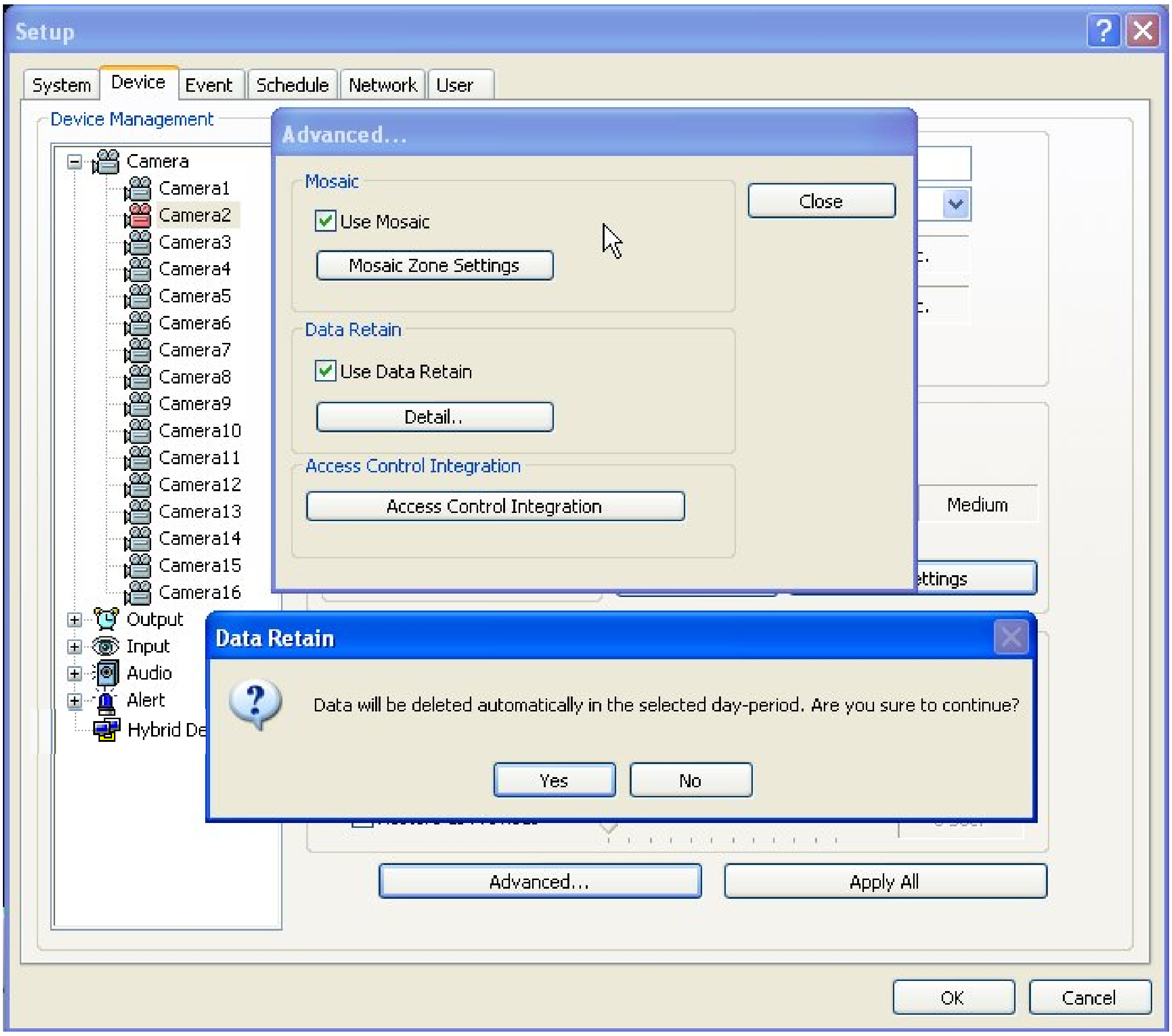
1. Tick the "Use Mosaic" box then "Mosaic Zone Settings button" will be enabled.
2. Click on "Mosaic Zone Settings".
3. Set "Mosaic Zone".
4. Go to the "Control Screen" and find veiled areas.

Note:

1. While using Mosaic, "Save" or "Print" cannot be performed.
2. To see unveiled area, logging in as "Admin" or "Admin Mode" is required.

[Data Retain]

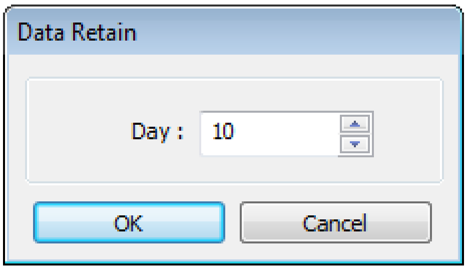
It is a function that retains data only for the period set.
For example, if 10 days is set, DVR will delete all previous data before 10 days regardless of the capacity remaining in HDD.



☑ Use Mosaic

☑ Use Data Retain

Data will be deleted automatically in the selected day-period. Are you sure to continue?



Day : 10

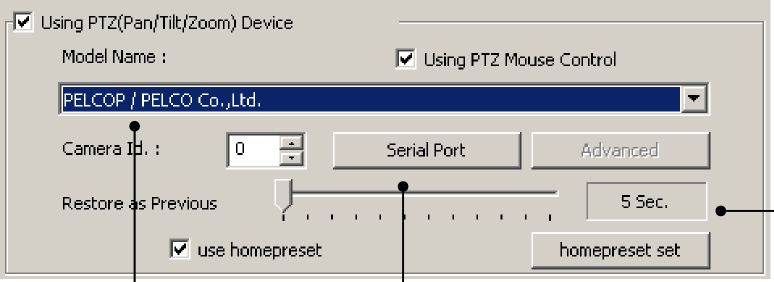
How to Set up:

- Click on “Advanced”
- Tick the “Use Data Retain”.
- Click on “Detail”. to select a day period to retain

Note: Warning message to inform as above will be appeared. To continue, click on “Yes”

[PTZ Camera Setup]

When using a PTZ camera, check the box and select a model name.
DVR system supports nearly 40 different protocols.

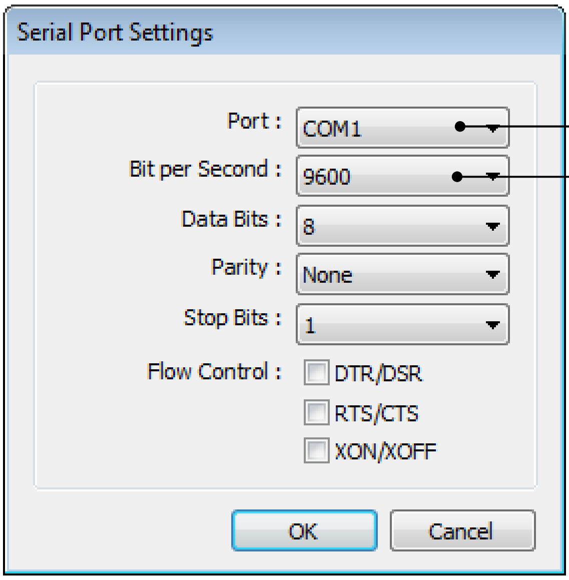


☑ Using PTZ(Pan/Tilt/Zoom) Device
Model Name : PELCOP / PELCO Co.,Ltd.
☑ Using PTZ Mouse Control
Camera Id. : 0
Restore as Previous 5 Sec.
☑ use homepreset

Use homepreset:
Tick the box and set homepreset set (Select preset as home preset).

Camera ID:
Leave it as it is if only one PTZ camera is used. Otherwise, give each camera a different number.

Restore as Previous:
Set time period to move camera back to initial position after a certain period of time.



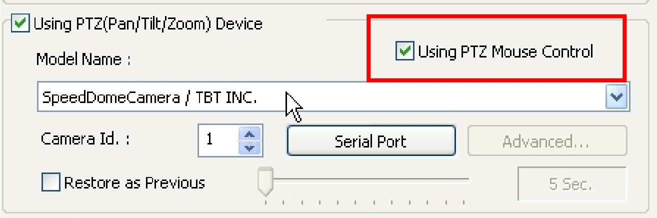
Port : COM1
Bit per Second : 9600
Data Bits : 8
Parity : None
Stop Bits : 1
Flow Control : ☐ DTR/DSR
☐ RTS/CTS
☐ XON/XOFF

Select the port used for PTZ camera.

Bit per Second:
It is 9600 for most of PTZ cameras.
But a few can have different values.
Refer to camera manual.

Apply All:
The same settings will be applied to the rest of the cameras by clicking on “Apply All”.

[PTZ Control by Drag and Drop]



☑ Using PTZ(Pan/Tilt/Zoom) Device

Model Name : SpeedDomeCamera / TBT INC.

☑ Using PTZ Mouse Control

Camera Id. : 1

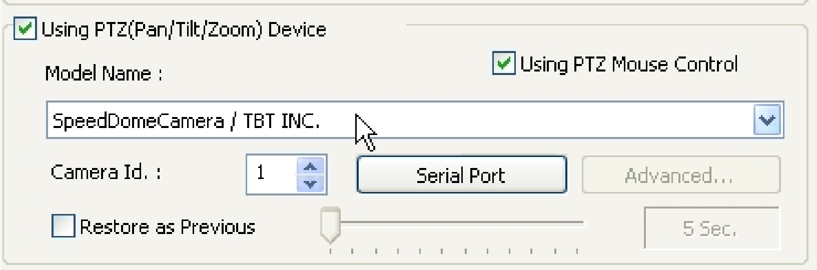
☐ Restore as Previous

5 Sec.

How to Set Up:

1. Simply ticks “Using PTZ Mouse Control” as above and select a proper PTZ model name.
2. On a PTZ screen, drag mouse to the desired position to see.

[Virtual Keypad for Speed Dome Camera]



☑ Using PTZ(Pan/Tilt/Zoom) Device

Model Name : SpeedDomeCamera / TBT INC.

☑ Using PTZ Mouse Control

Camera Id. : 1

☐ Restore as Previous

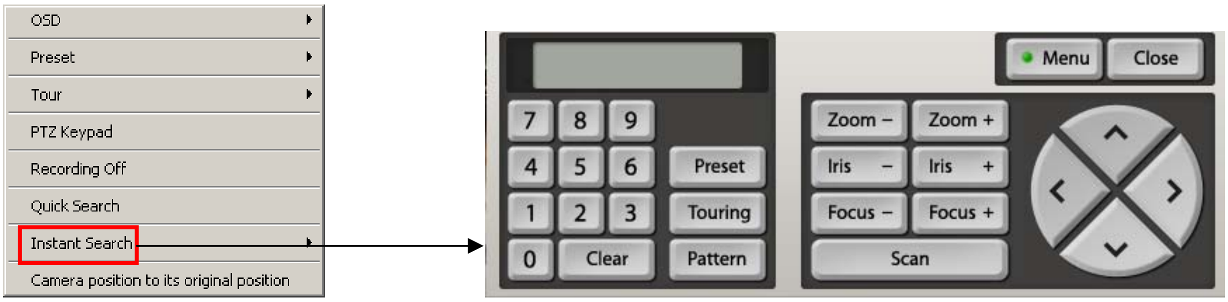
5 Sec.

How to Set Up:

1. Select “SpeedDome Camera/TBT INC.” protocol to run Virtual Keypad.

2. Set proper Camera ID, Port, Bit per Second, and etc.

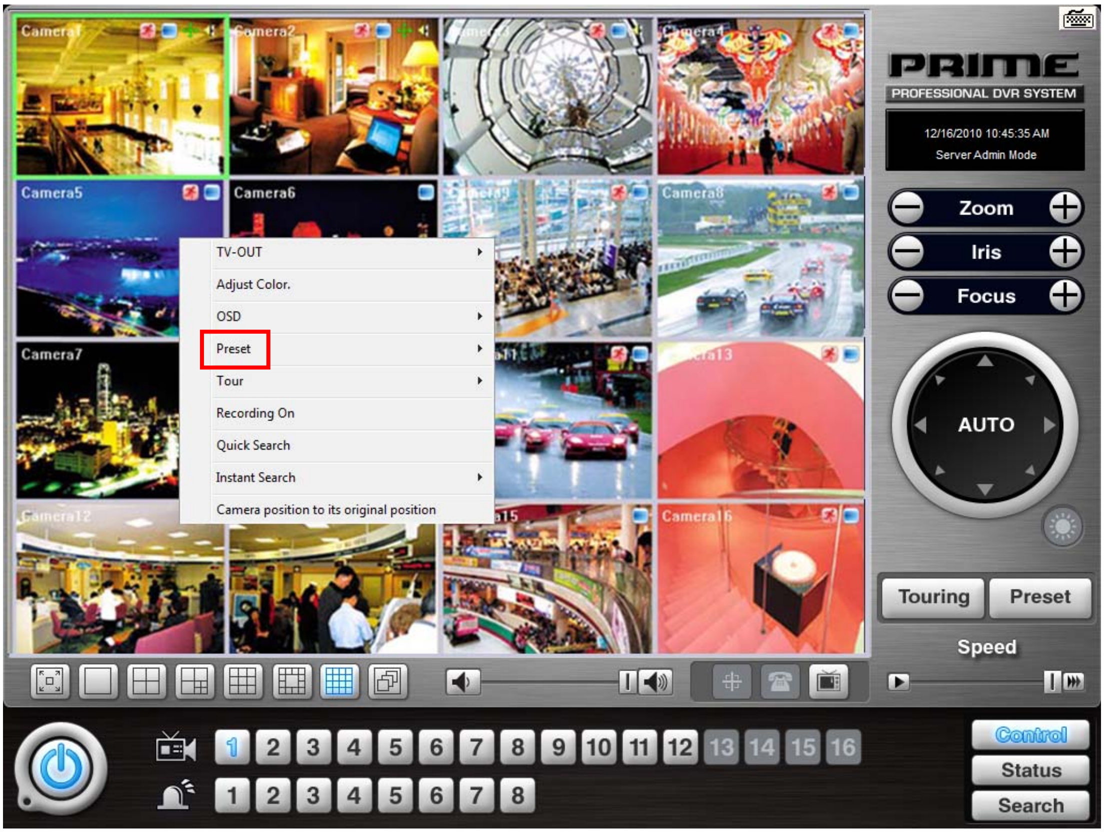
3. Click right mouse button on PTZ Screen and select “ PTZ Keypad”.



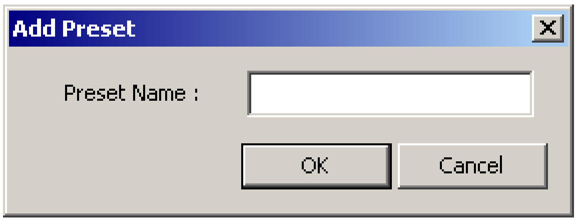
Click on “Menu” to go into Camera OSD.
Once preset and touring have been set through this virtual keypad, they must be controlled by the keypad.(Menu buttons on GUI will not work.)
For example, when preset 1 is set, press 1 on the keypad and “Preset”. Then it moves to the Preset No. 1 position.

Note: Now only limited Speed Dome models are available to run this keypad.

[Preset]

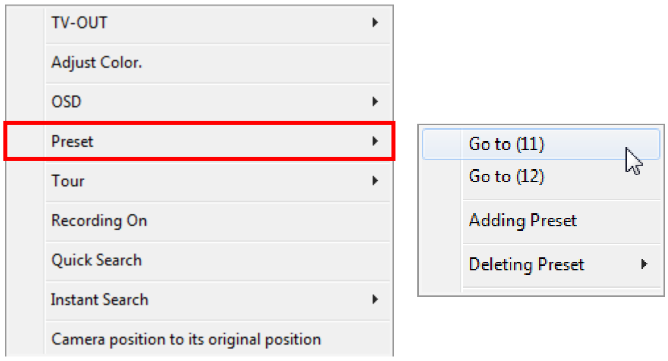


"Preset" is a function that enables a camera to move from one position to another automatically.



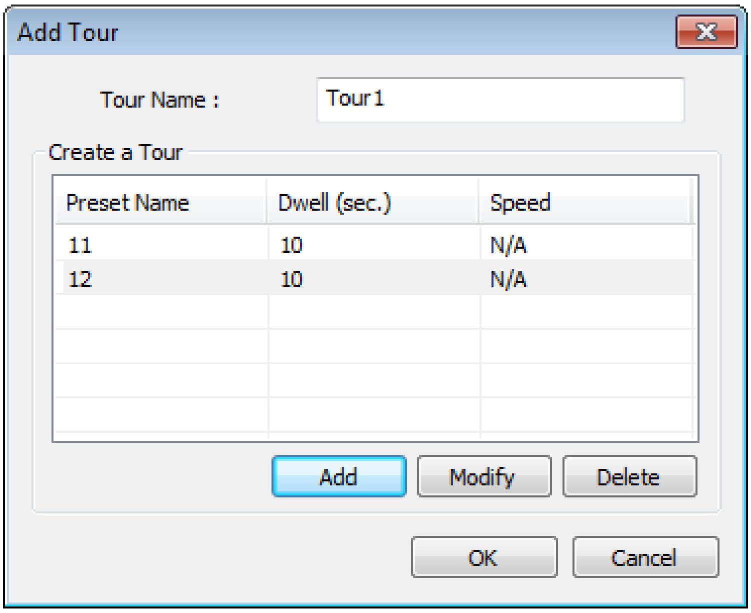
Steps to Set up Presets:

1. Move camera to a desired position using the PTZ Control on Control screen.
2. Click the right mouse.
3. Name the preset.
4. Repeat the above for setting up as many as 256 presets.
5. Click the right mouse to run preset and click the "Auto" button to stop it.



[Touring]

“Touring” is a function that enables a group of selected presets to work repeatedly.



Add Tour

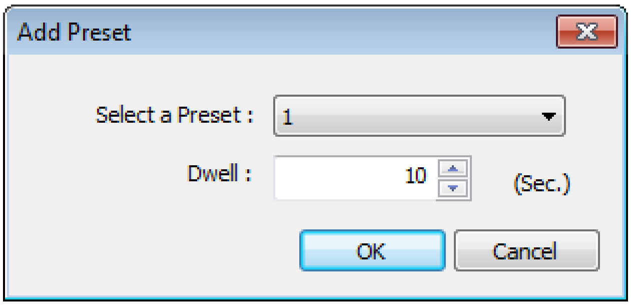
Tour Name : Tour1

Create a Tour

Preset Name	Dwell (sec.)	Speed
11	10	N/A
12	10	N/A

Steps to Set up a Tour:

1. Click the right mouse.
2. Name the tour.
3. Click on “Add”.
4. Select a preset.
5. Click “OK”.
6. Repeat the above to have more than 1 preset in the tour.
7. Click the right mouse to run the tour.



Add Preset

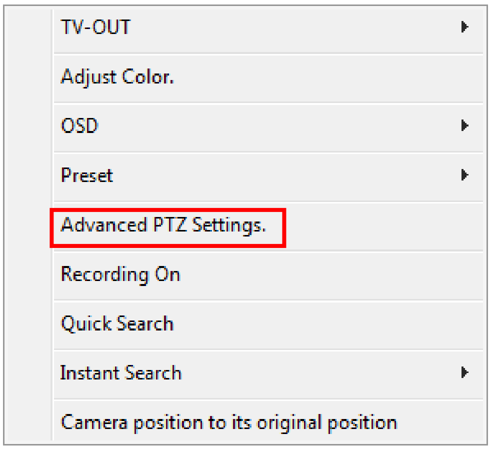
Select a Preset : 1

Dwell : 10 (Sec.)

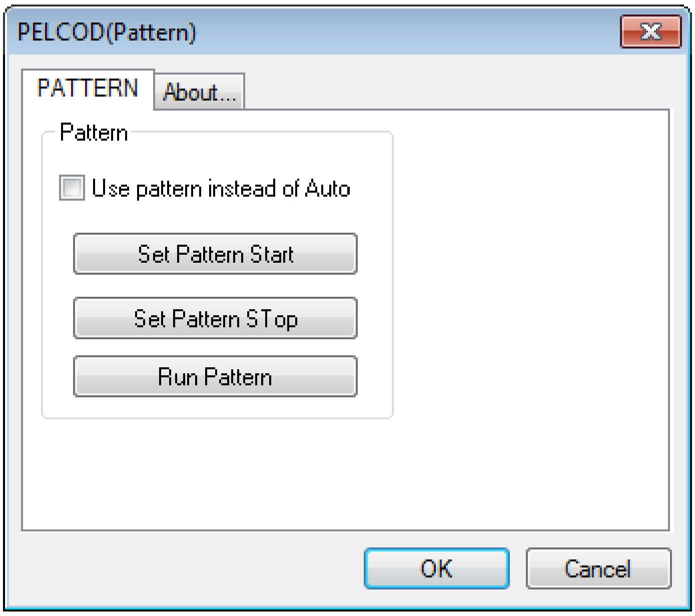
Dwell:

The length of time that camera will pause before moving to the next preset.

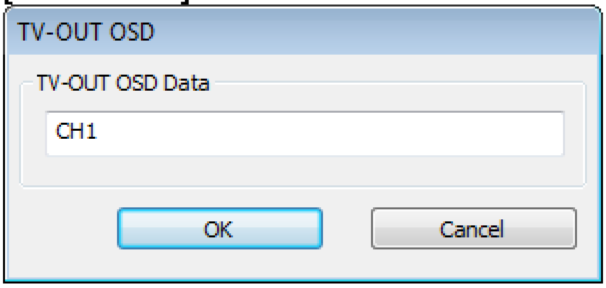
[Advanced PTZ Settings]



Open right mouse click menu and click “Advanced PTZ Settings”
Make sure that the PTZ camera to set up supports advanced PTZ control functions first.



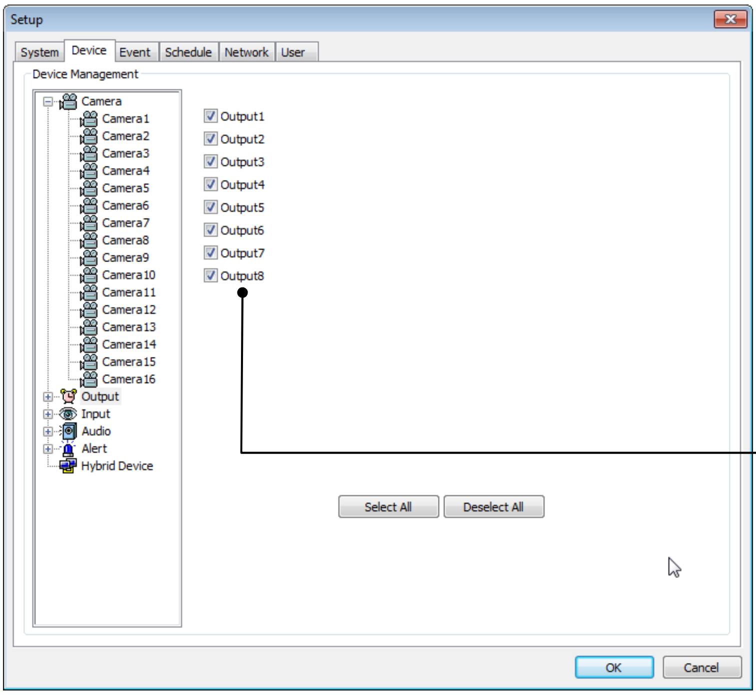
[TV Out OSD]



CH1

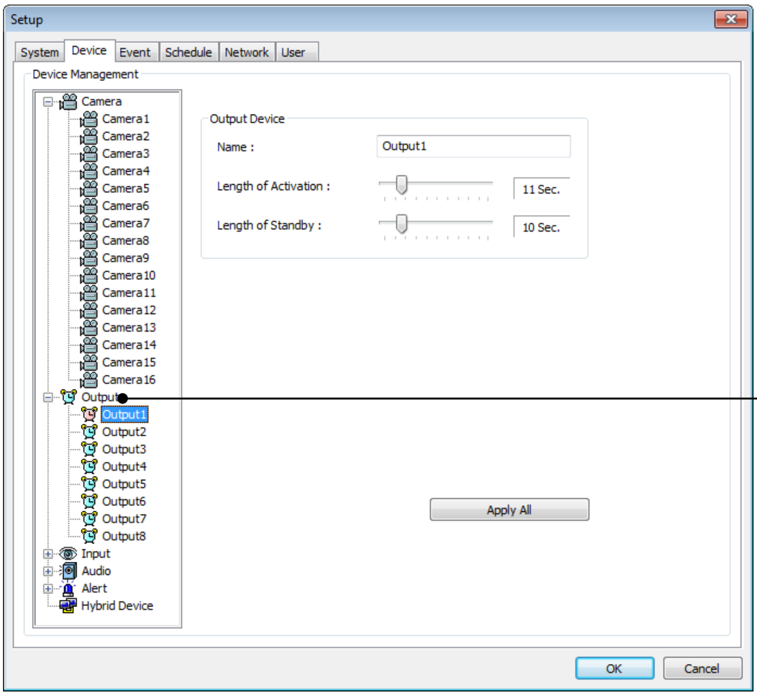
Camera name of TV out can be changed by TV-OUT OSD menu.
Input camera name and press OK button to continue.

● Output Device



☑ Output1
☑ Output2
☑ Output3
☑ Output4
☑ Output5
☑ Output6
☑ Output7
☑ Output8

DVR system can be equipped with as many as 8 output devices. Simply check the boxes for use. In addition, outputs can be manually activated from Control screen (Manual Alarm).

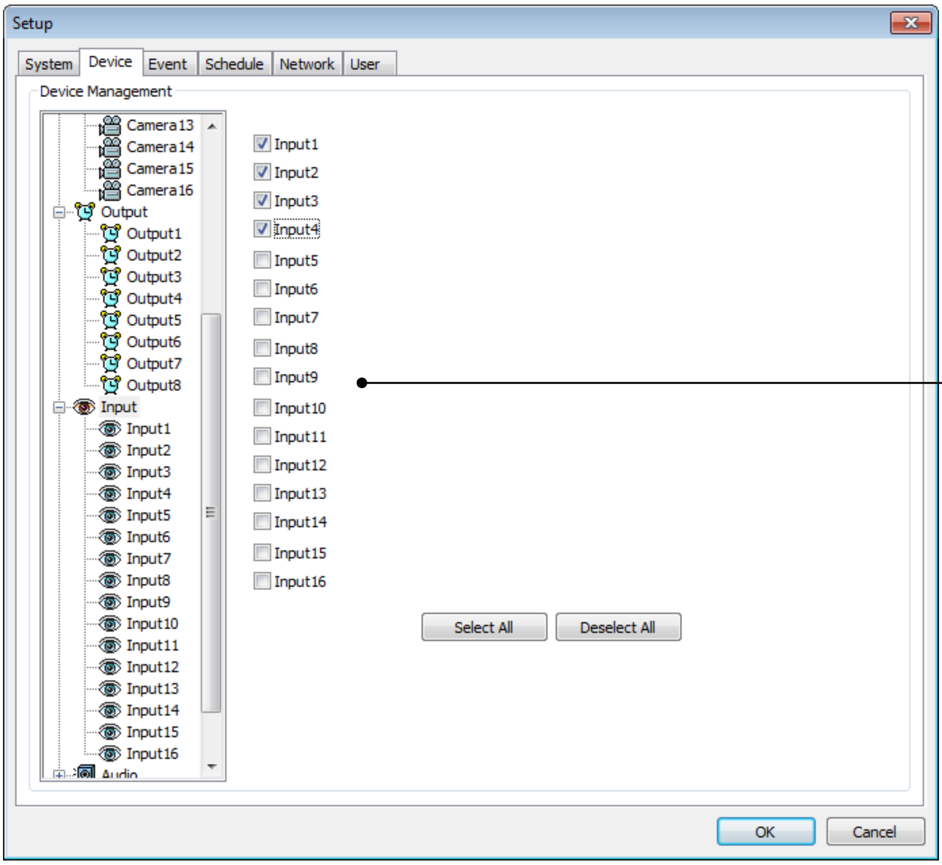


Name : Output1
Length of Activation : 11 Sec.
Length of Standby : 10 Sec.

Double-click on “Output” for individual output setup.

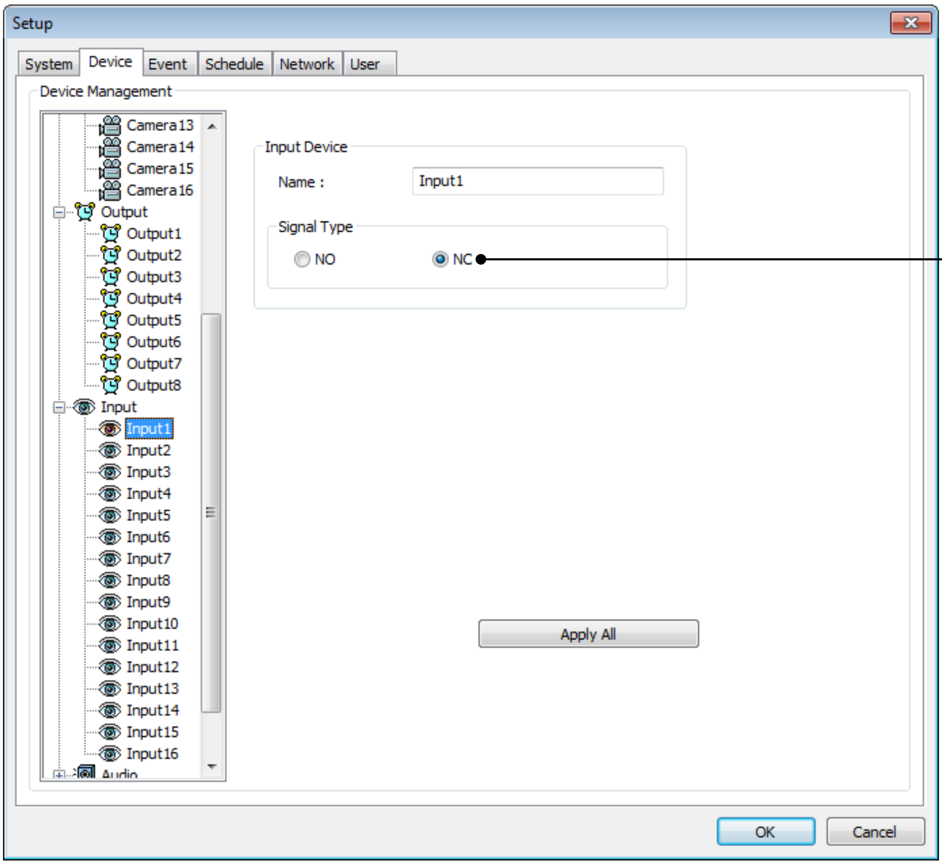
Name: Output device name.
Length of Activation: The length of output activation (1-60 sec.).
Length of Standby: The length of output deactivation until reactivation (0-60 sec.).
Apply All: The same settings will be applied to the rest of the output devices.

- **Input Device**



☑ Input1
☑ Input2
☑ Input3
☑ Input4
☐ Input5
☐ Input6
☐ Input7
☐ Input8
☐ Input9
☐ Input10
☐ Input11
☐ Input12
☐ Input13
☐ Input14
☐ Input15
☐ Input16

DVR system can be equipped with as many as 16 input devices. Simply check the boxes for use.

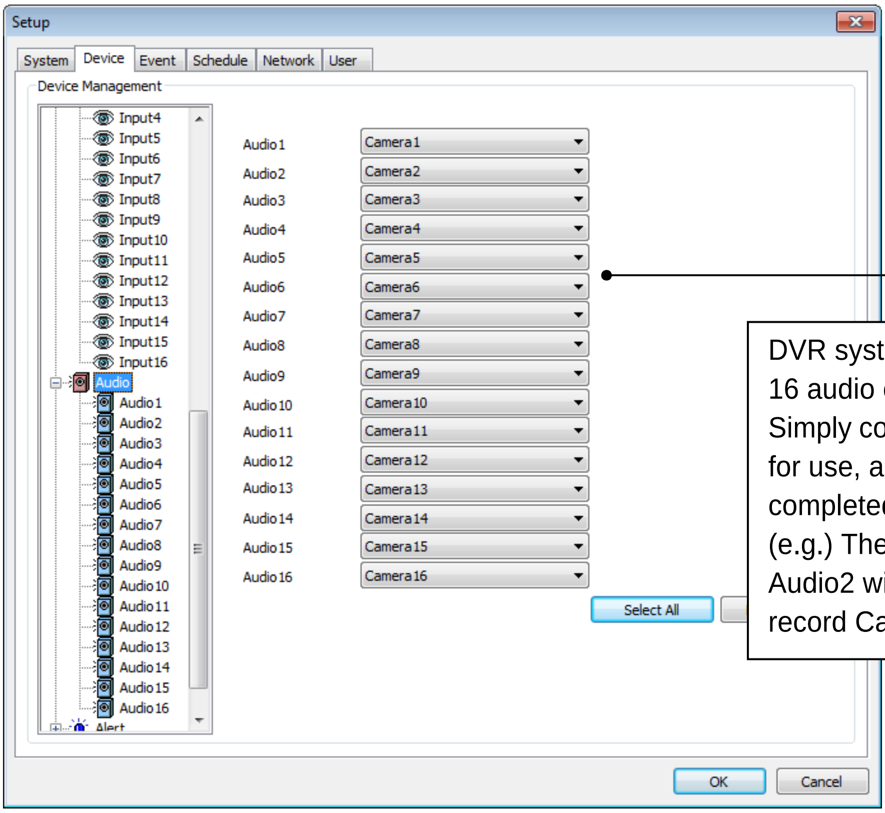


Name : Input1

Signal Type
○ NO ● NC

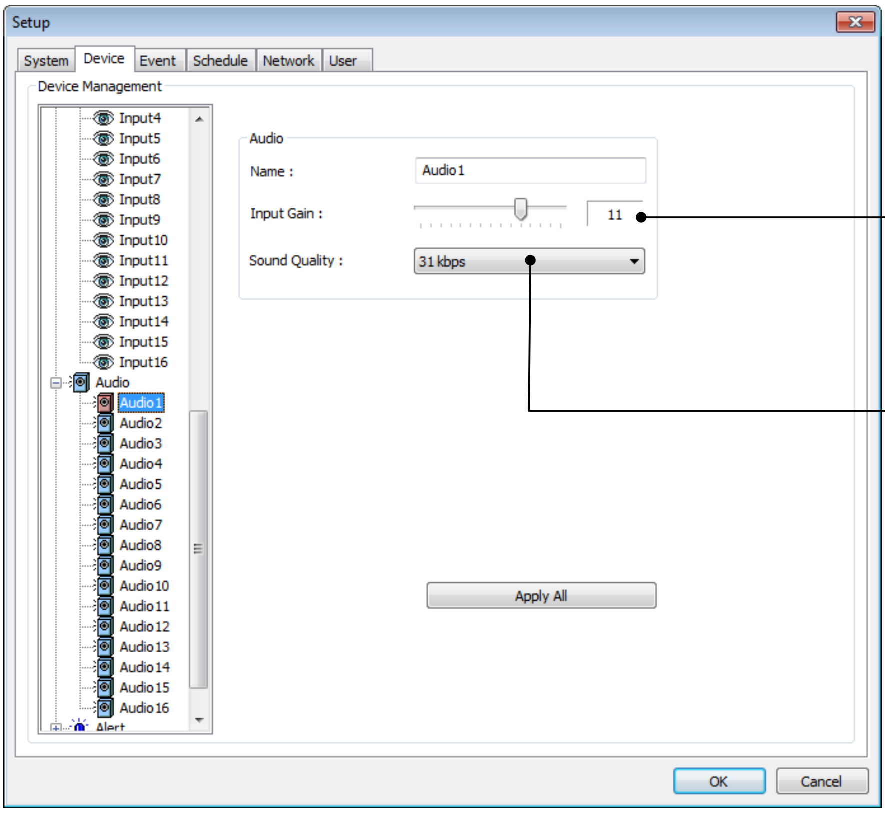
Each and every input can be tuned independently.
Signal Types:
NO(+) & (-) detached normally
NC(+) & (-) attached normally

● Audio



Audio1	Camera1
Audio2	Camera2
Audio3	Camera3
Audio4	Camera4
Audio5	Camera5
Audio6	Camera6
Audio7	Camera7
Audio8	Camera8
Audio9	Camera9
Audio10	Camera10
Audio11	Camera11
Audio12	Camera12
Audio13	Camera13
Audio14	Camera14
Audio15	Camera15
Audio16	Camera16

DVR system is equipped with as many as 16 audio channels.
Simply connect cameras to audio channels for use, and audio recording will be completed as chosen.
(e.g.) The above selections indicate that Audio2 will record Camera3, Audio3 will record Camera5, etc.

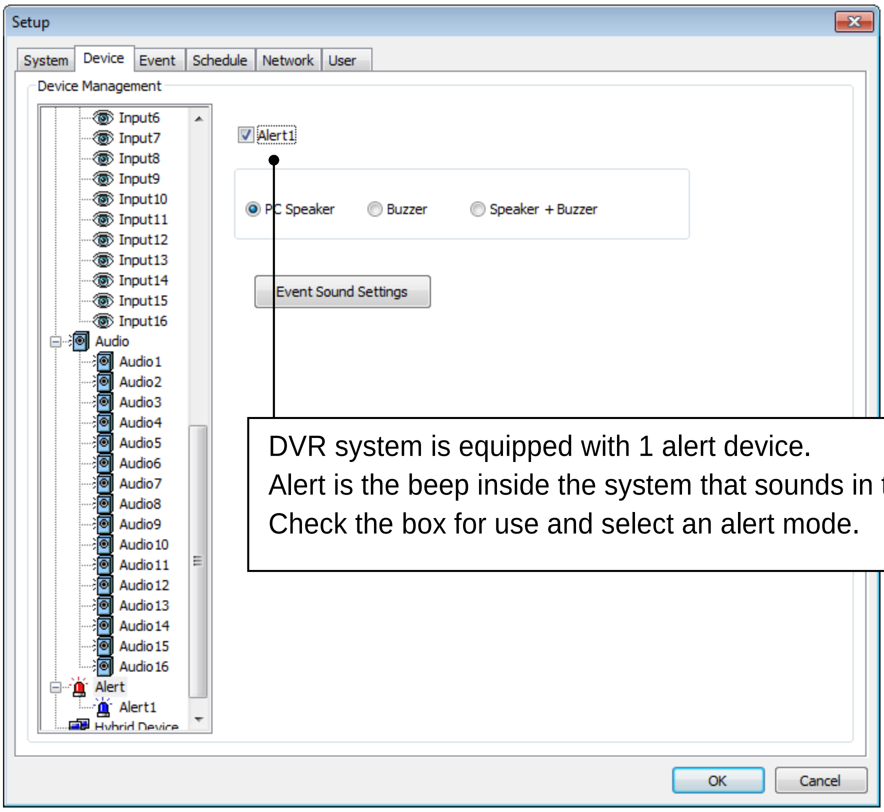


Audio
Name : Audio1
Input Gain : 11
Sound Quality : 31 kbps

Input Gain (1-15): It is audio level control similar to volume control.

Sound Quality: It is to specify sound quality (15 / 31kbps

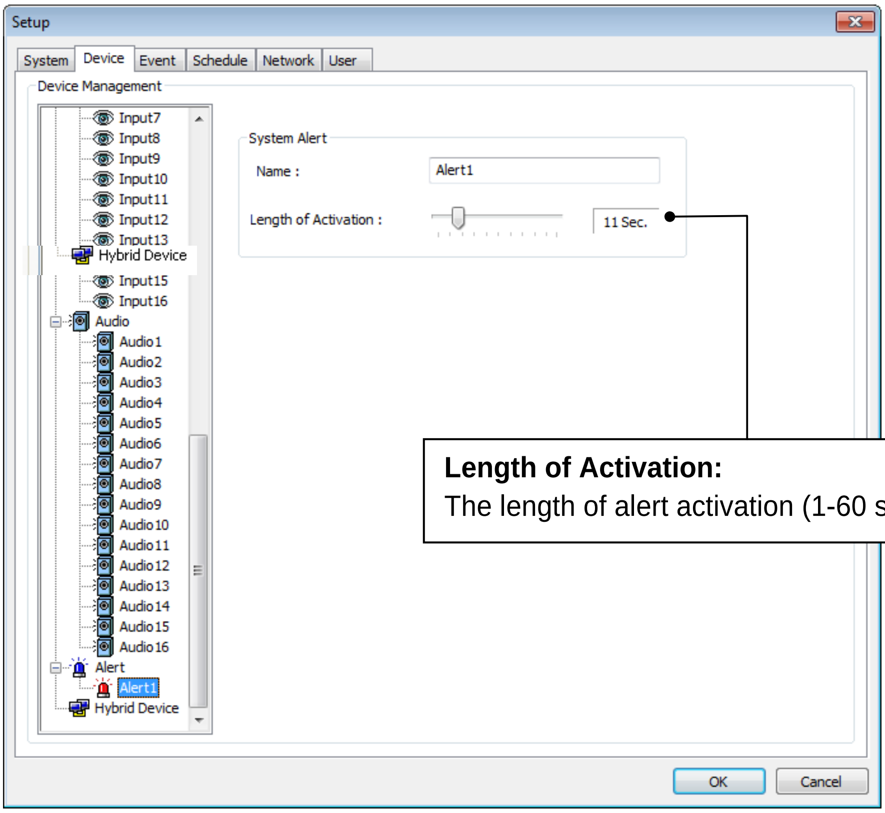
● Alert



☑ Alert1

● PC Speaker ○ Buzzer ○ Speaker + Buzzer

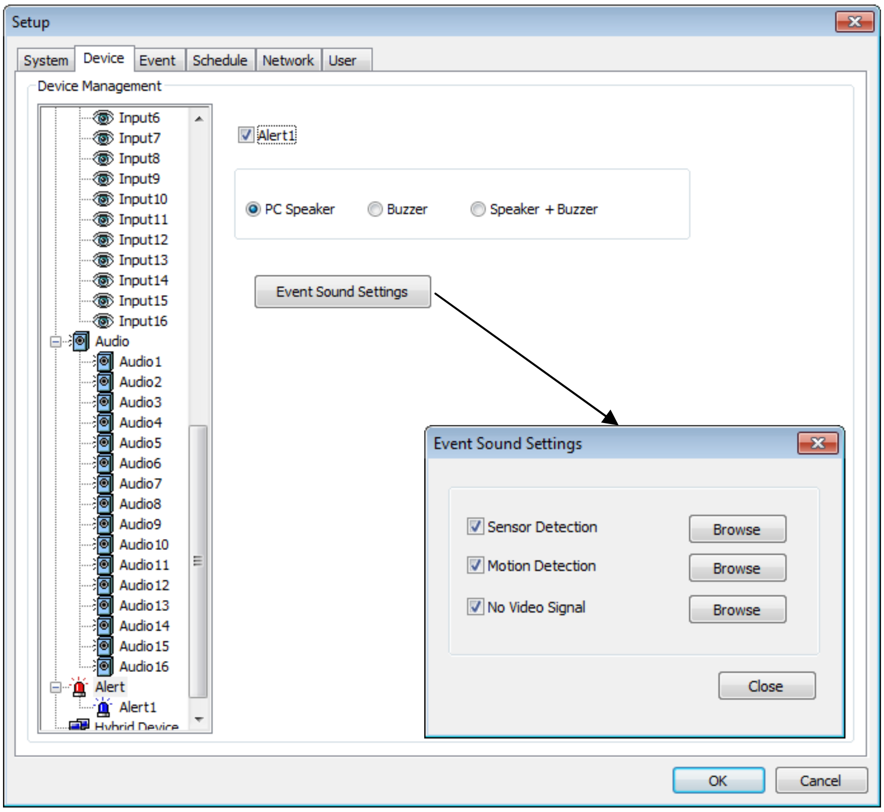
DVR system is equipped with 1 alert device.
Alert is the beep inside the system that sounds in the case of event.
Check the box for use and select an alert mode.



Name : Alert1

Length of Activation : 11 Sec.

Length of Activation:
The length of alert activation (1-60 sec.).

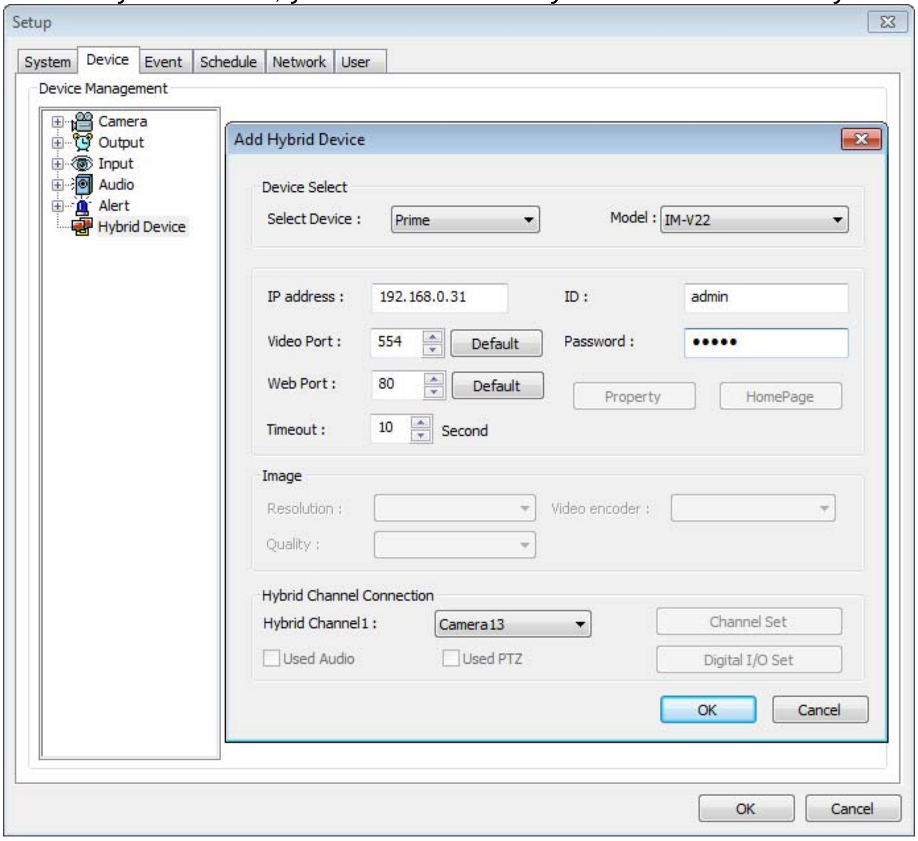


Event Sound Settings:

To differentiate alert sound by Events(Sensor, Motion, and No video Signal), select a Wave File for each.

● Hybrid Device

It is a function that integrates Hybrid devices through network connection.
(IP Camera, Video Server and Standalone DVR series can be installed as Hybrid device)
To use hybrid device, you need to install hybrid driver individually.



Select Device : Prime
Model : IM-V22
IP address : 192.168.0.31
ID : admin
Video Port : 554
Password : •••••
Web Port : 80
Timeout : 10 Second
Hybrid Channel1 : Camera13

How to install Hybrid device driver.

1. Close DVR software and exit to Windows.
2. Install hybrid driver: it is provided as a patch file.
3. After installation, restart DVR then Hybrid device driver will be registered to DVR software automatically.

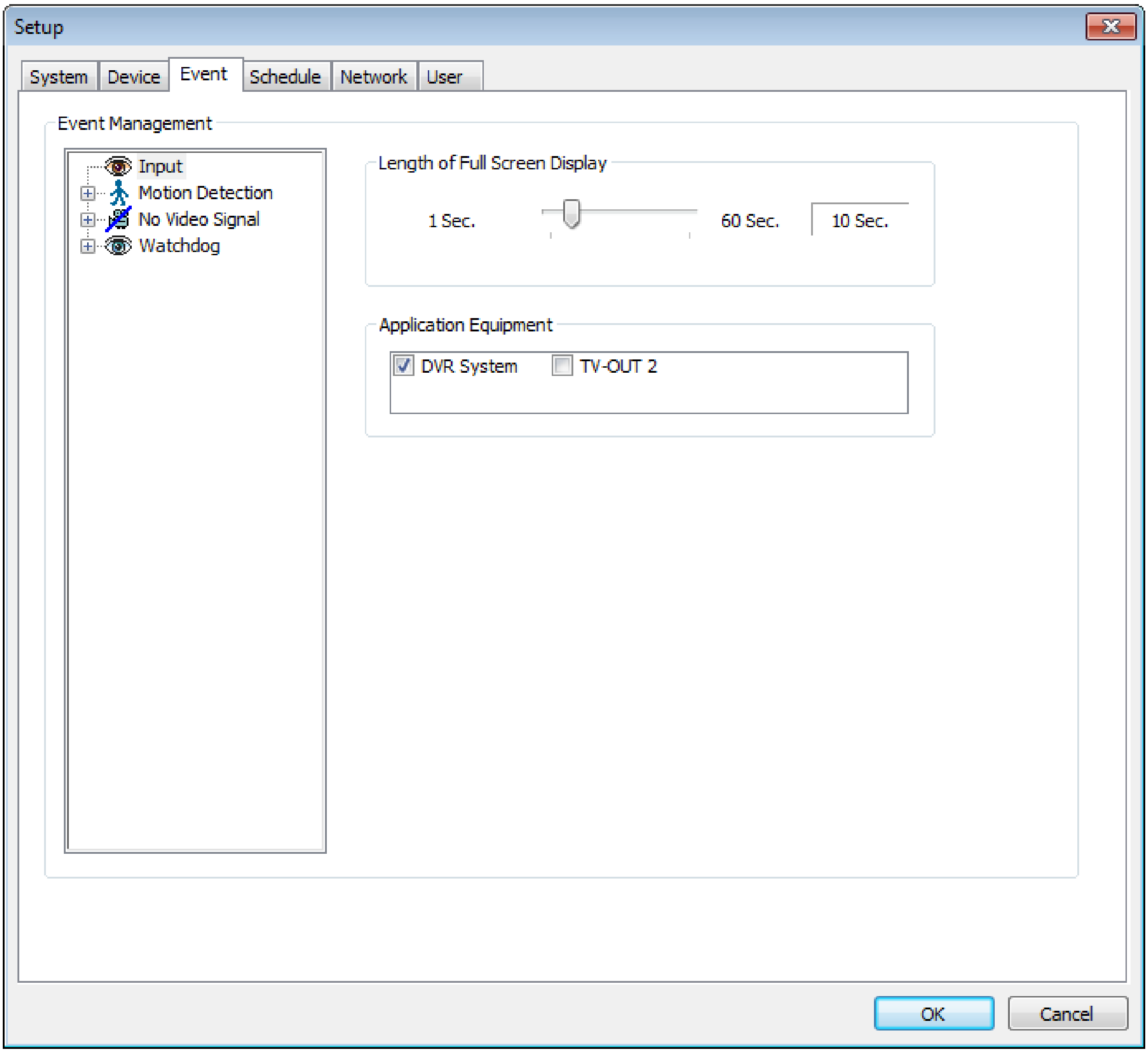
How to setup Hybrid Device:

1. To specify Hybrid channel, disable specified camera.
2. Right click on the Hybrid Device item and click Add button.
3. Select Device to setup
4. Input IP address of device
5. Input data to login (Port number ID and Password)
6. Select Video encoder to connection.
7. Select Hybrid Channel to assign.
   (Notice: Multiple Hybrid channel assign is not allowed. Max 4 Hybrid device driver can be set)
8. Click “Add” button to register and then click “OK” button to continue.

After finish setup Hybrid device, connection will be automatically started.

(3) Event

“Event” consists of 3 different groups; “Input”, “Motion Detection” and “No Video Signal”.
On this menu, devices can be set to respond to different events.



Length of Full Screen Display

1 Sec. 60 Sec. 10 Sec.

Application Equipment

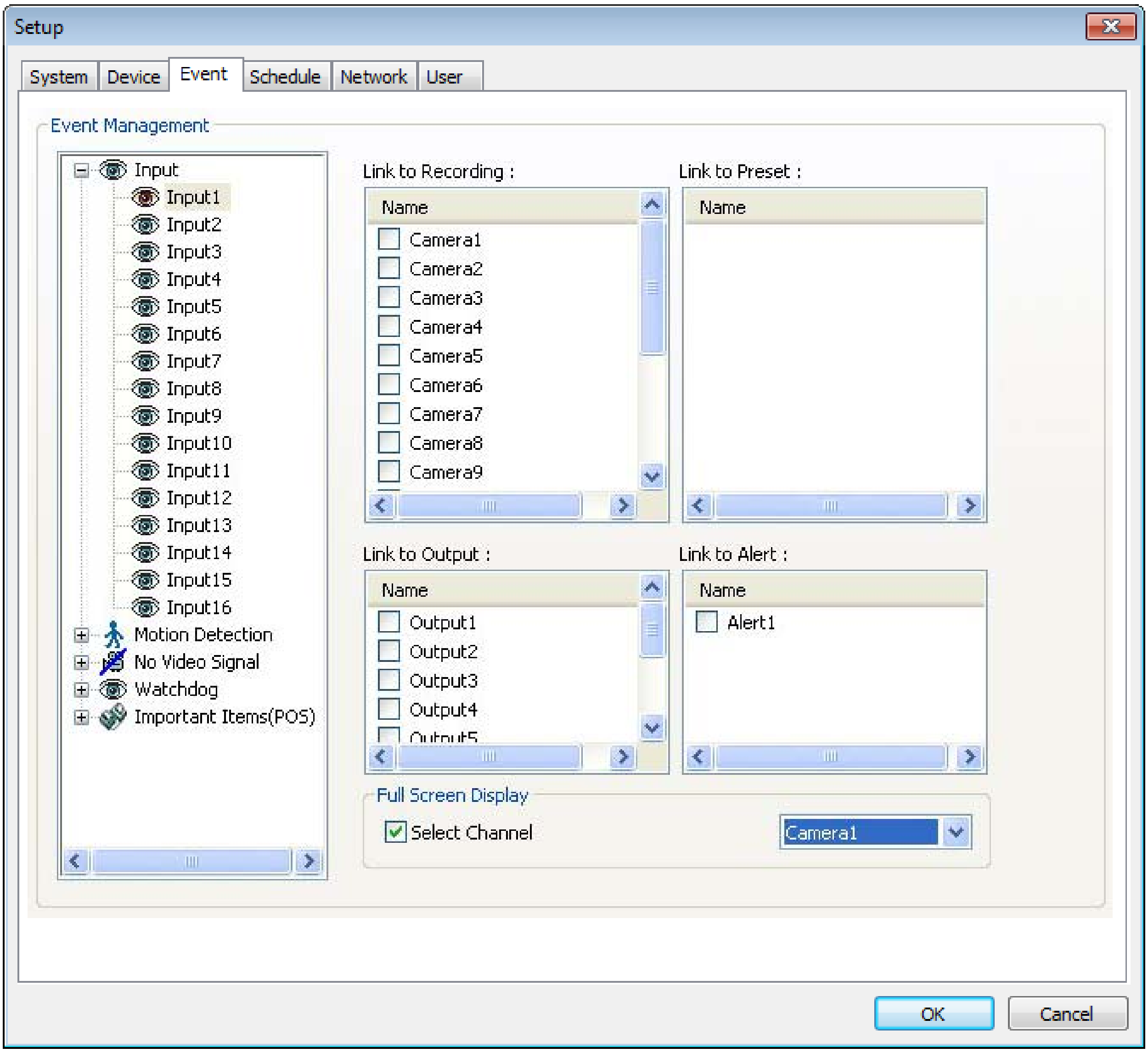
☑ DVR System ☐ TV-OUT 2

- **Input**

Length of Full Screen Display:
The time length for full screen display in the case of input device activation.

Full Screen Display Channels: Full Screen Display:
Selected camera channel will pop up if the linked input device is triggered.

Application Equipment:
Events triggered by Input or Motion detection can pop on a desired screen among DVR system, DVR+ TV-OUT2.



☑ Select Channel: Camera1

Link to Recording:

One Input device can have as many as 16 recording cameras on activation.

The below example shows that Camera1 will record in the case of Input1 activation.

Link to Output:

One Input device can have as many as 8 activating output devices on activation.

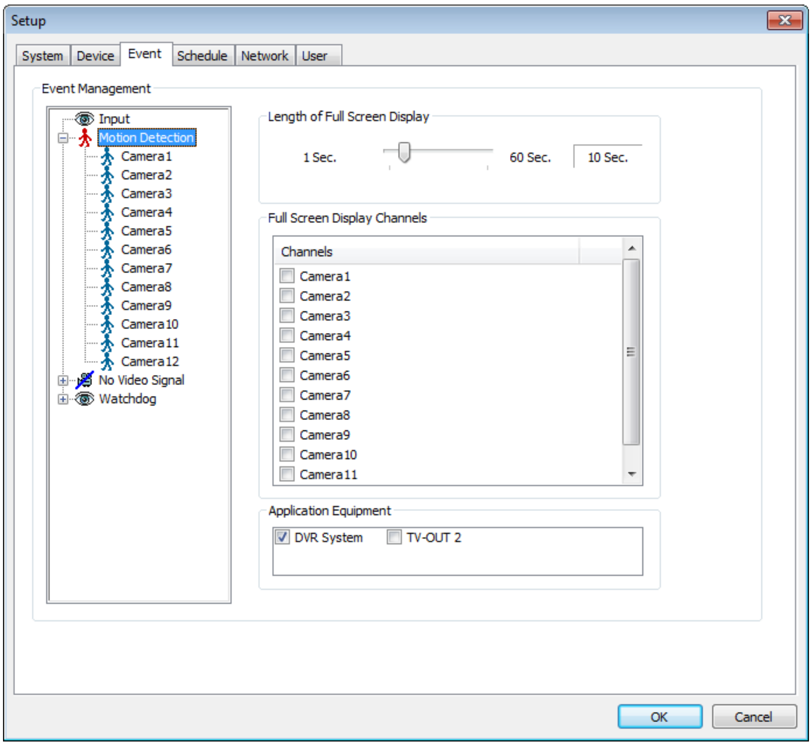
The above example shows that Output1 will be activated in the case of Input1 activation.

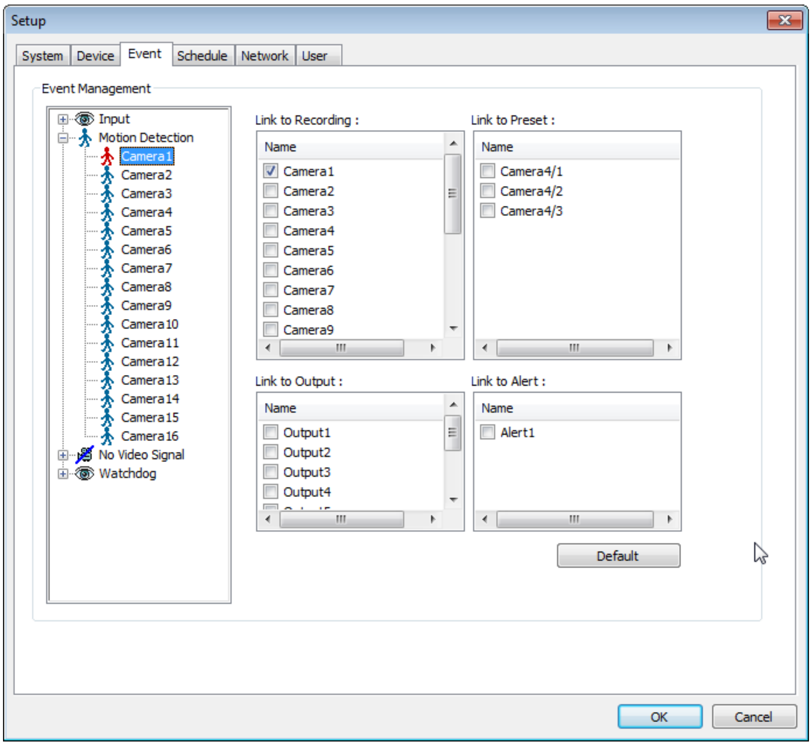
Link to Alert:

Input device can also be linked to alert.

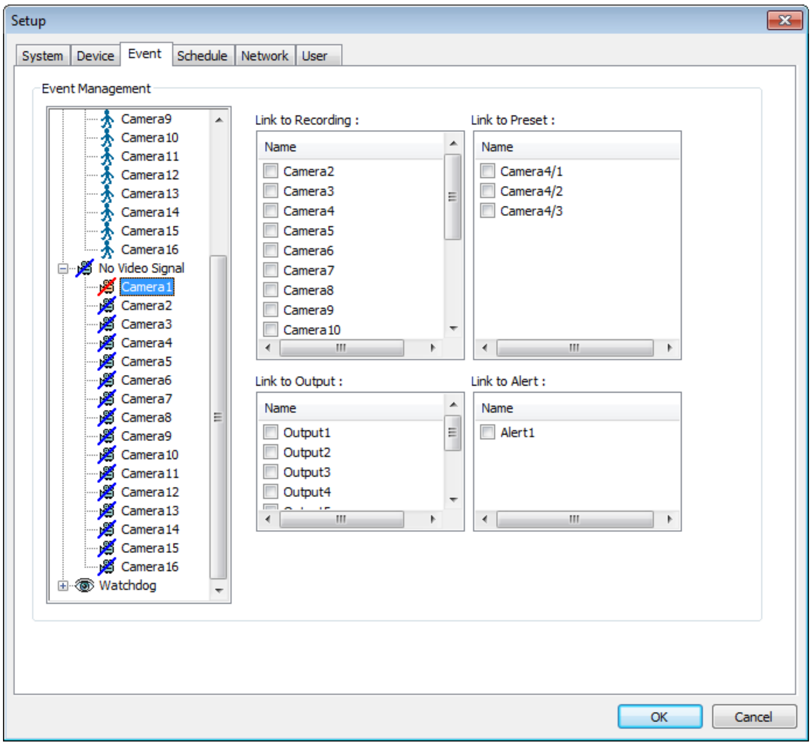
● Motion Detection

The same identical concepts and methods as “Input” are applied to “Motion Detection”.



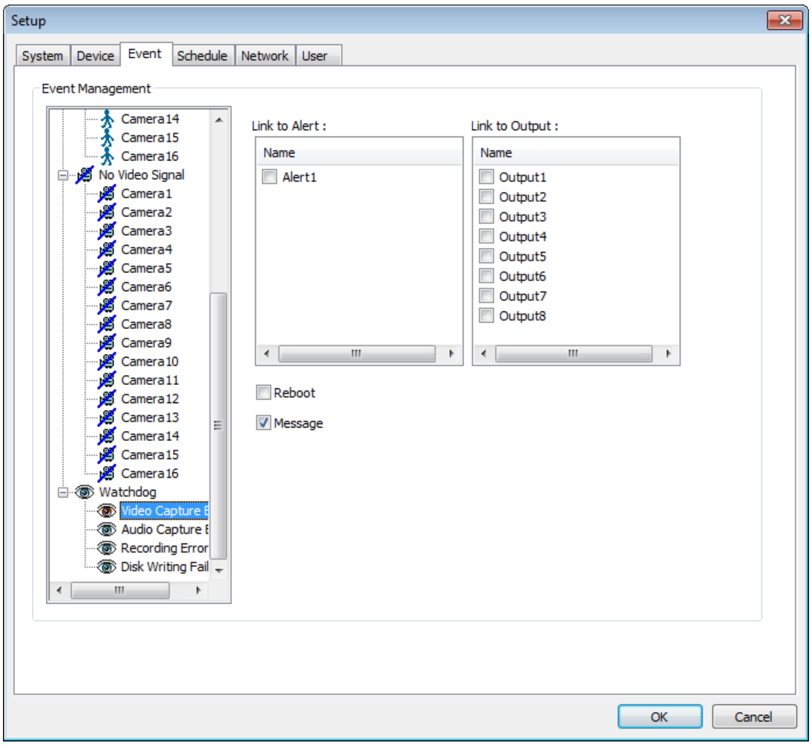


● No Video Signal



The same identical concepts and methods as “Input” are applied to “No Video Signal”.

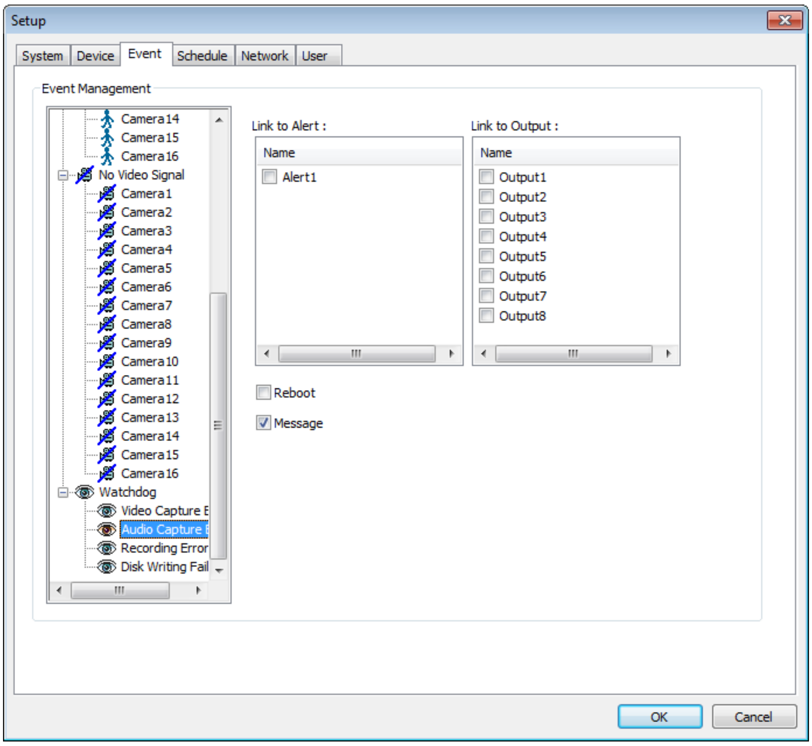
● Watchdog



☐ Reboot

☑ Message

The same identical concepts and methods as “Input” are applied to “Watchdog”. When “Video Capture Error” is occurred, it is linking to Alert and Output. User can link the event to Reboot, Message on DVR.



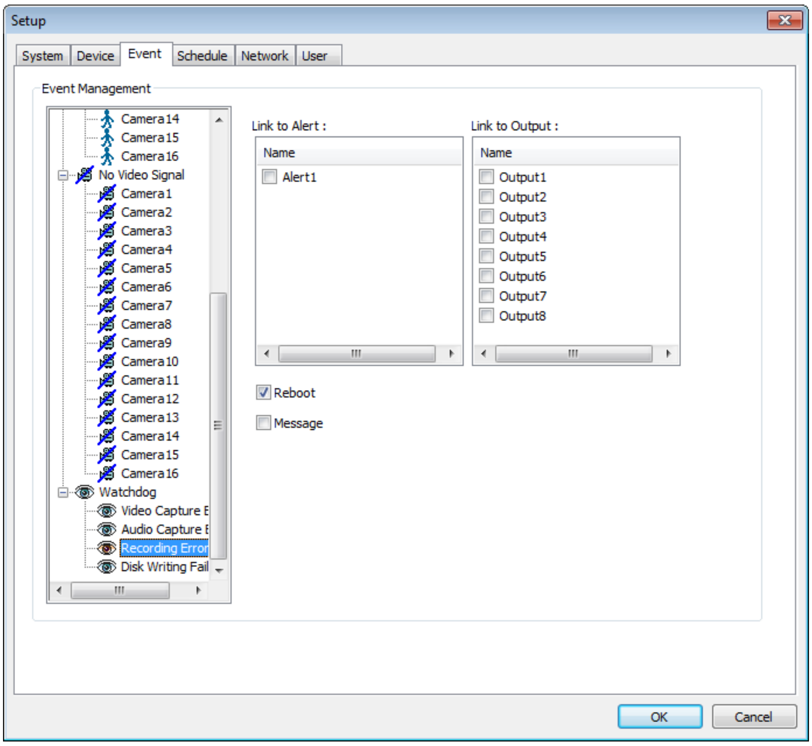
☐ Alert1

☐ Output1
☐ Output2
☐ Output3
☐ Output4
☐ Output5
☐ Output6
☐ Output7
☐ Output8

☐ Reboot
☑ Message

The same identical concepts and methods as “Input” are applied to “Audio Capture Error”.
When “Audio Capture Error” is occurred, it is linking to Alert and Output.

User can link the event to Reboot, Message on DVR.

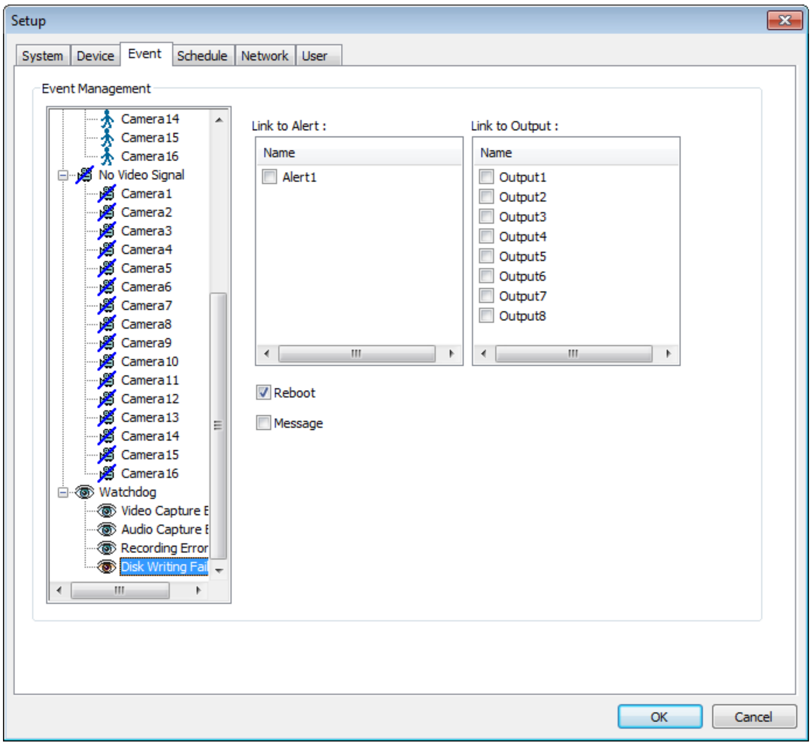


☐ Alert1

☐ Output1
☐ Output2
☐ Output3
☐ Output4
☐ Output5
☐ Output6
☐ Output7
☐ Output8

☑ Reboot
☐ Message

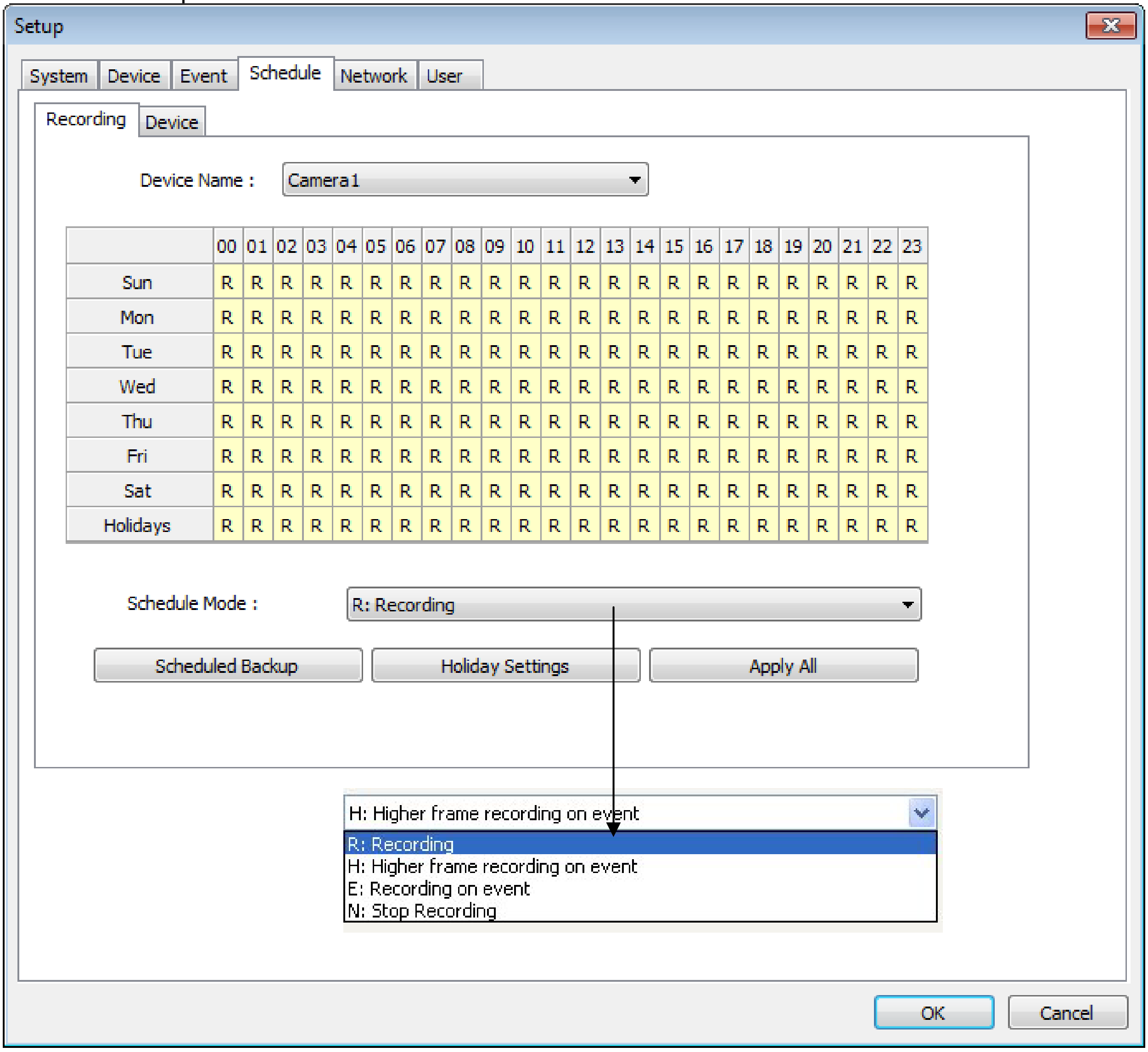
The same identical concepts and methods as “Input” are applied to “Recording Error”.
When “Recording Error” is occurred, it is linking to Alert and Output.
User can link the event to Reboot, Message on DVR.



The same identical concepts and methods as “Input” are applied to “Disk Writing Failed”
When “Disk Writing Failed” is occurred, it is linking to Alert and Output.
User can link the event to Reboot, Message on DVR.

(4) Schedule

“Schedule” is a place where the different activities of different devices are determined.



Device Name : Camera1

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Mon	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Tue	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Wed	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Thu	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Fri	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Sat	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Holidays	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

Schedule Mode : R: Recording

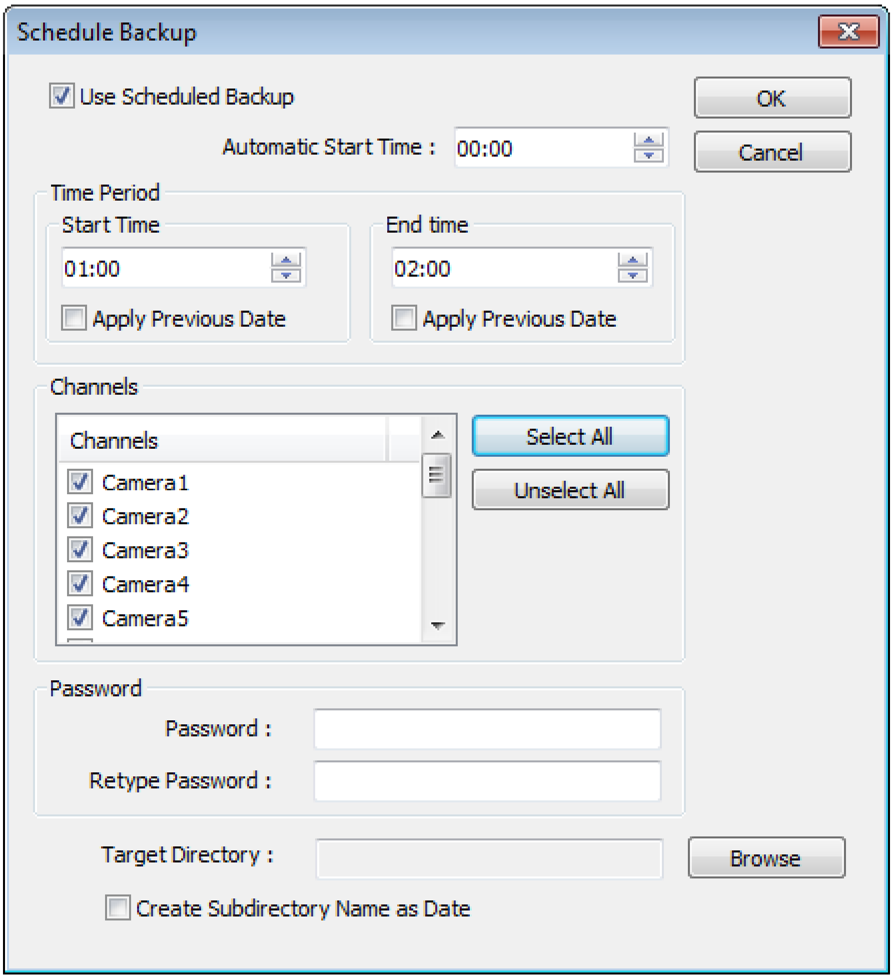
Each camera can have different recording options; scheduled recording by time & day and selective recording.

R: Recording at all times

E: Recording on event

N: Stop recording

H: Recording at all times and higher frame recording on event



Schedule Backup

☑ Use Scheduled Backup

Automatic Start Time : 00:00

Time Period

Start Time: 01:00

☐ Apply Previous Date

End time: 02:00

☐ Apply Previous Date

Channels

☑ Camera1
☑ Camera2
☑ Camera3
☑ Camera4
☑ Camera5

Password

Password :

Retype Password :

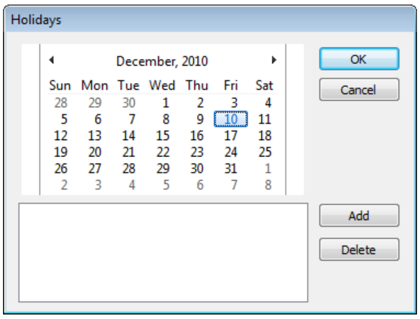
Target Directory :

☐ Create Subdirectory Name as Date

Use Scheduled Backup: To set backup automatically.

Please refer to next to example.
Automatic Start Time: At 1 a.m. it automatically starts back up.

Time Period
From: When “Apply Previous Date” is checked, 2 a.m. means yesterday. If not, it is coming 2 a. m.
To: Same concept as “From”.
Channel: Cameras wish to backup.
Select All: Select all cameras
Password: Give password to play back back up data.
Retype Password: Retype password to double confirm.
Target Directory: Selects directory to backup.
Create Subdirectory Name as Date: Gives created directory name based on the date.



Holidays

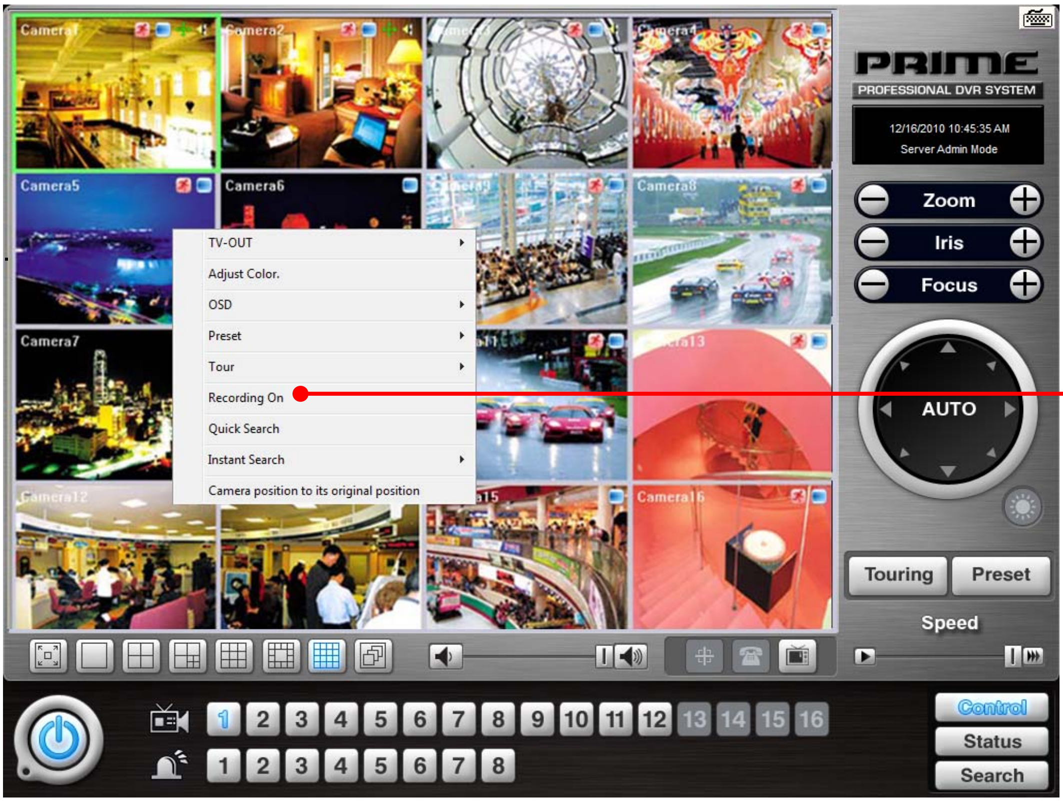
December, 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

The holiday recording schedule set at the bottom of the “Schedule” table will be applied to selected dates.

● Manual (Instant) Recording

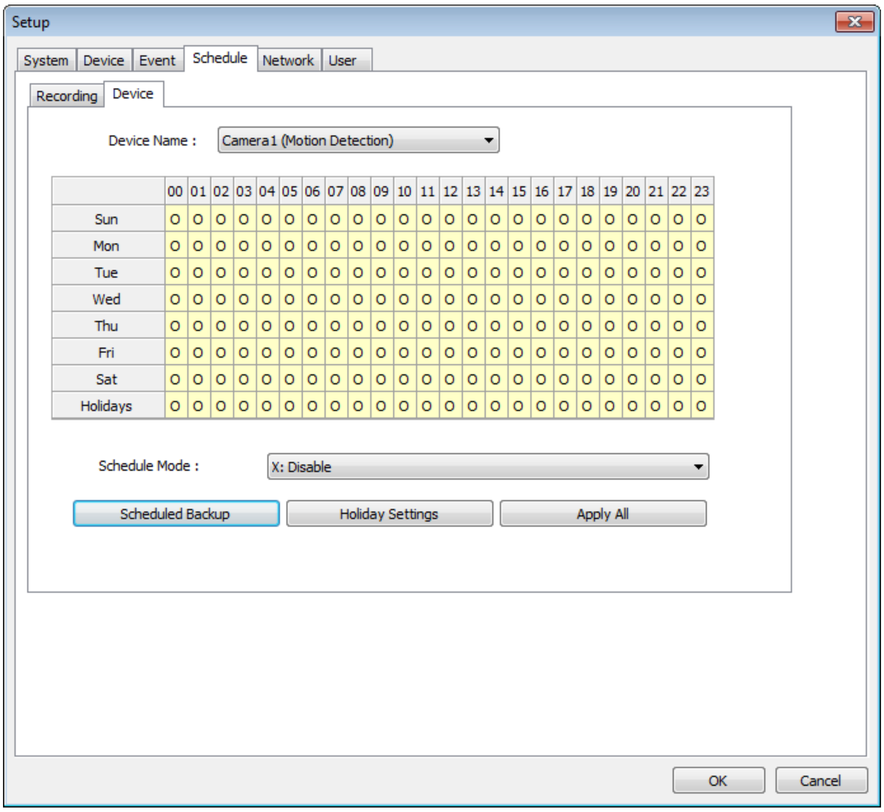
It is a function that enables users to react on an emergency situation properly by making DVR start recording immediately.



1. The purple icon indicates that it is on “Manual Recording”.
2. Only ‘Admin’ can use “Manual recording”.

Start “Manual Recording” by selecting “Recording On”. Stop “Manual Recording” by selecting “Recording Off”.

● Device



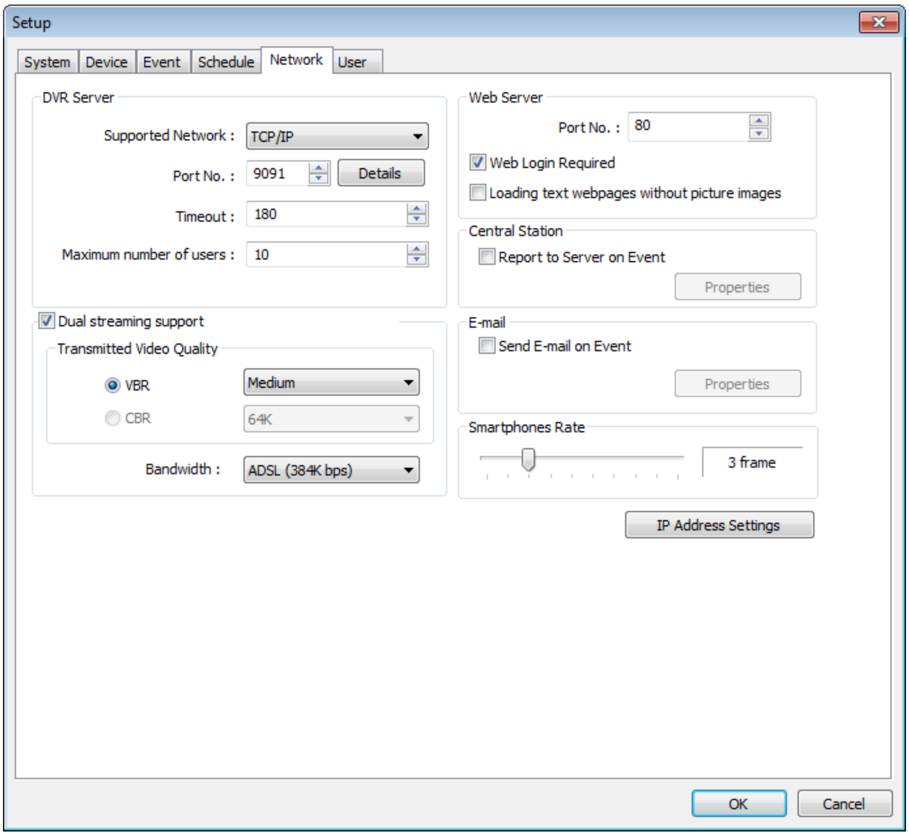
Device Name : Camera1 (Motion Detection)

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Mon	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Tue	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Wed	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Thu	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Fri	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Sat	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Holidays	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O

Schedule Mode : X: Disable

Select detailed schedule for activating sensor and alarm individually.

(5) Network



DVR Server

Supported Network : TCP/IP

Port No. : 9091

Timeout : 180

Maximum number of users : 10

☑ Dual streaming support

Transmitted Video Quality

● VBR Medium

○ CBR 64K

Bandwidth : ADSL (384K bps)

Web Server

Port No. : 80

☑ Web Login Required

☐ Loading text webpages without picture images

Central Station

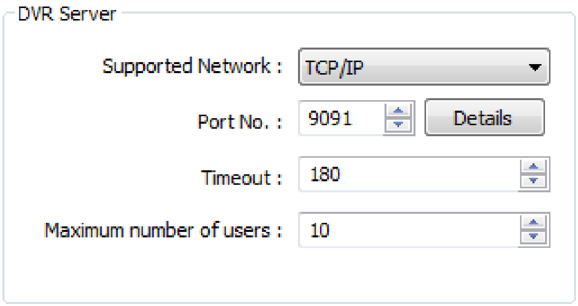
☐ Report to Server on Event

E-mail

☐ Send E-mail on Event

Smartphones Rate 3 frame

● DVR Server



DVR Server

Supported Network : TCP/IP

Port No. : 9091

Timeout : 180

Maximum number of users : 10

Supported Network:

1. TCP/IP - Connecting to DVR Server from Client using Lan or DSL
2. PSTN - Connecting to DVR Server from Client using PSTN or ISDN modem
3. Not In Use - Not allowed to connect to DVR Server remotely

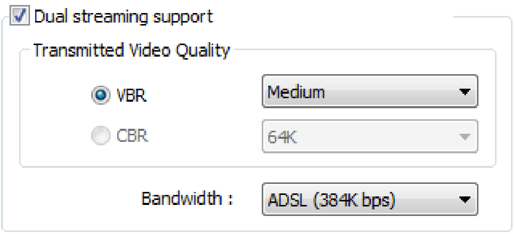
Port No.: The default port number is 9091.

Timeout: The time length of trials to connect to DVR Server from Client

Maximum Number of Users: The maximum number of users that can be logged in remotely.

Details: It shows all the port numbers that are available to use.

Note:
DVR will automatically appoint a proper IP address to router. No router setup required.



☑ Dual streaming support

Transmitted Video Quality

● VBR Medium

○ CBR 64K

Bandwidth : ADSL (384K bps)

● Dual streaming support

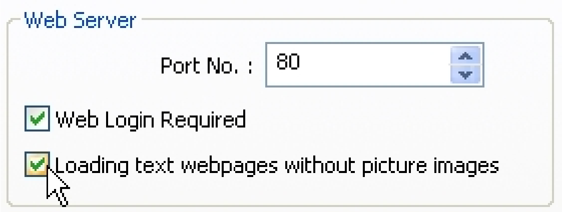
Transmitted Video Quality:
Video quality to be transmitted to Client.
As a reminder, the higher video quality gets, the slower network transmission speed becomes.
Therefore, it is often recommended to select low video quality when using “Narrowband”.

Bandwidth:
Make sure to select the right bandwidth to have the right network performance.

By default, DVR support VBR (Variable Bit Rate
Only X948 (H.264 Hardware compression) support CBR (Constant Bit Rate)

Notice!: Software H.264 version doesn’t support dual streaming.
Therefore to use dual streaming function, it is recommended to use MPEG4 software or Hardware codec H.264 capture card.

● Web Server


Web Server

Port No. : 80

☑ Web Login Required

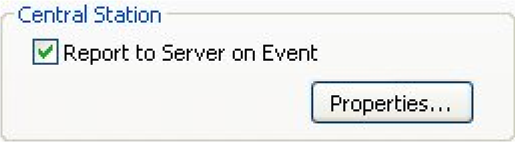
☑ Loading text webpages without picture images

Port No.: Fixed HTTP Port No.

Web Login Required:
If the box is checked, login is required when connecting to DVR server using web browser.
If the box is NOT checked, automatic login as “anonymous” will be done.

Loading text webpages without picture images:
If the box is checked, it takes less time to download initial page of web browser. It downloads only text, not graphic user interface.

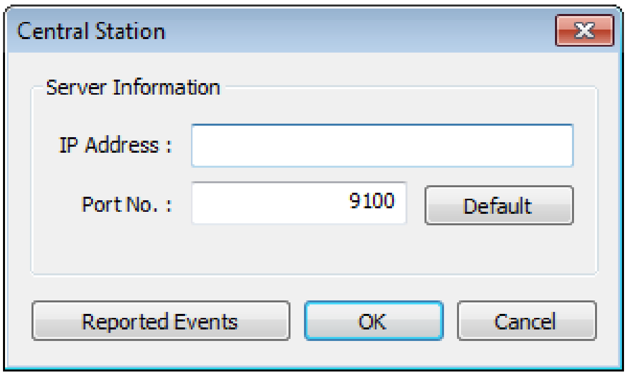
● Central Station


Central Station

☑ Report to Server on Event

Central Station” is a function that enables Client with static IP to manage multi DVR sites.
Check the box and click on “Properties” for setup.

Note: “i-CEN’S” must be installed on Central Station Server (Client).
For more details, ask your supplier for proper instruction.

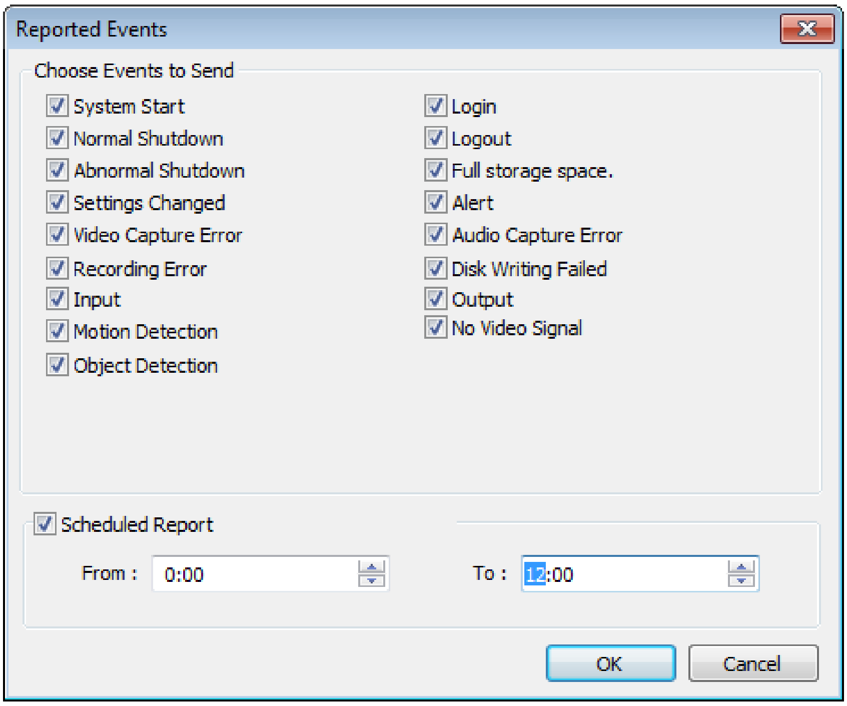

Central Station

Server Information

IP Address :

Port No. : 9100

Type in the IP address of Central Station Server (Client with Static IP) and click on “Reported Events” for more setup.



Reported Events

Choose Events to Send

☑ System Start
☑ Normal Shutdown
☑ Abnormal Shutdown
☑ Settings Changed
☑ Video Capture Error
☑ Recording Error
☑ Input
☑ Motion Detection
☑ Object Detection
☑ Login
☑ Logout
☑ Full storage space.
☑ Alert
☑ Audio Capture Error
☑ Disk Writing Failed
☑ Output
☑ No Video Signal

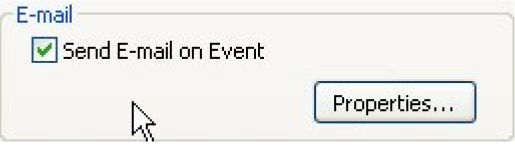
☑ Scheduled Report

From : 0:00

To : 12:00

Choose events to report to Central Station server and set reporting time period.

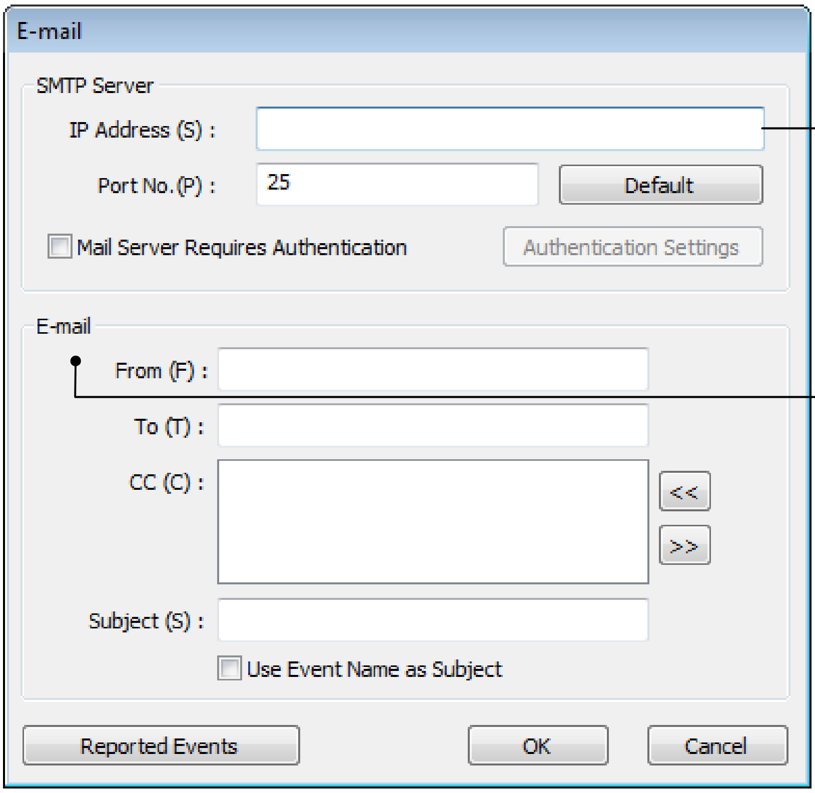
● E-mail



E-mail

☑ Send E-mail on Event

E-mail is a function that enables DVR system to send out e-mails when selected events occur.
Check the box and click on “Properties” for setup.



E-mail

SMTP Server

IP Address (S) :

Port No. (P) : 25

☐ Mail Server Requires Authentication

E-mail

From (F) :

To (T) :

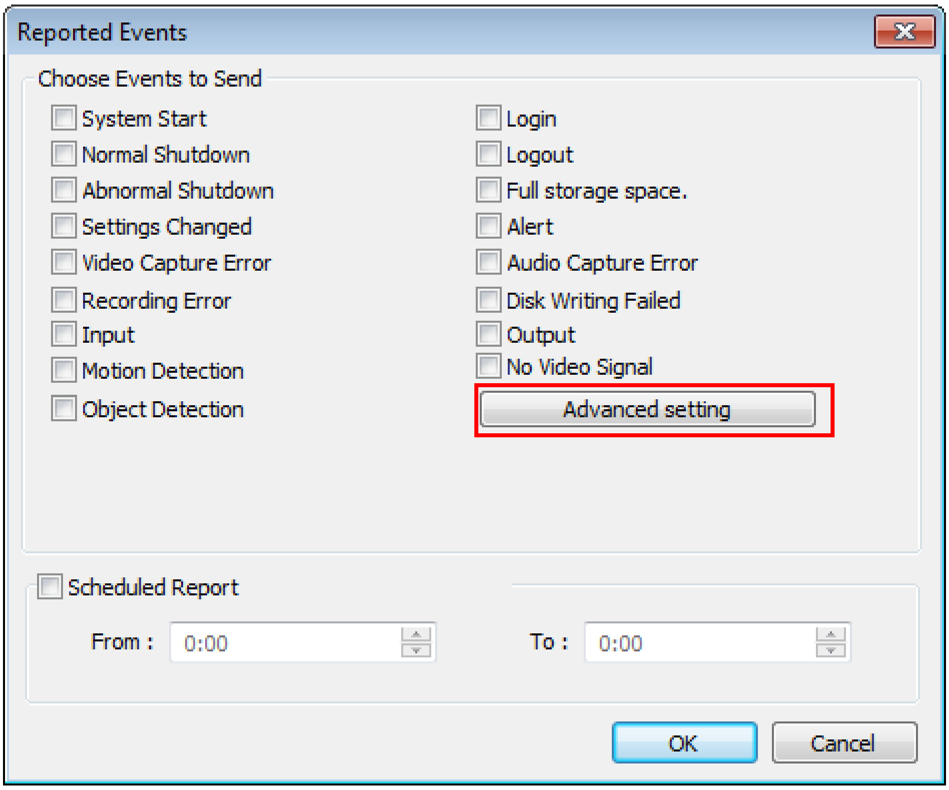
CC (C) :

Subject (S) :

☐ Use Event Name as Subject

Make sure to put in the right IP address of SMTP server. Then, click on “Reported Events” for more setup. The “Reported Events” menu is the same as Central Station.

Note: Some e-mail server may require authentication for ID and PW.



Reported Events

Choose Events to Send

☐ System Start
☐ Normal Shutdown
☐ Abnormal Shutdown
☐ Settings Changed
☐ Video Capture Error
☐ Recording Error
☐ Input
☐ Motion Detection
☐ Object Detection

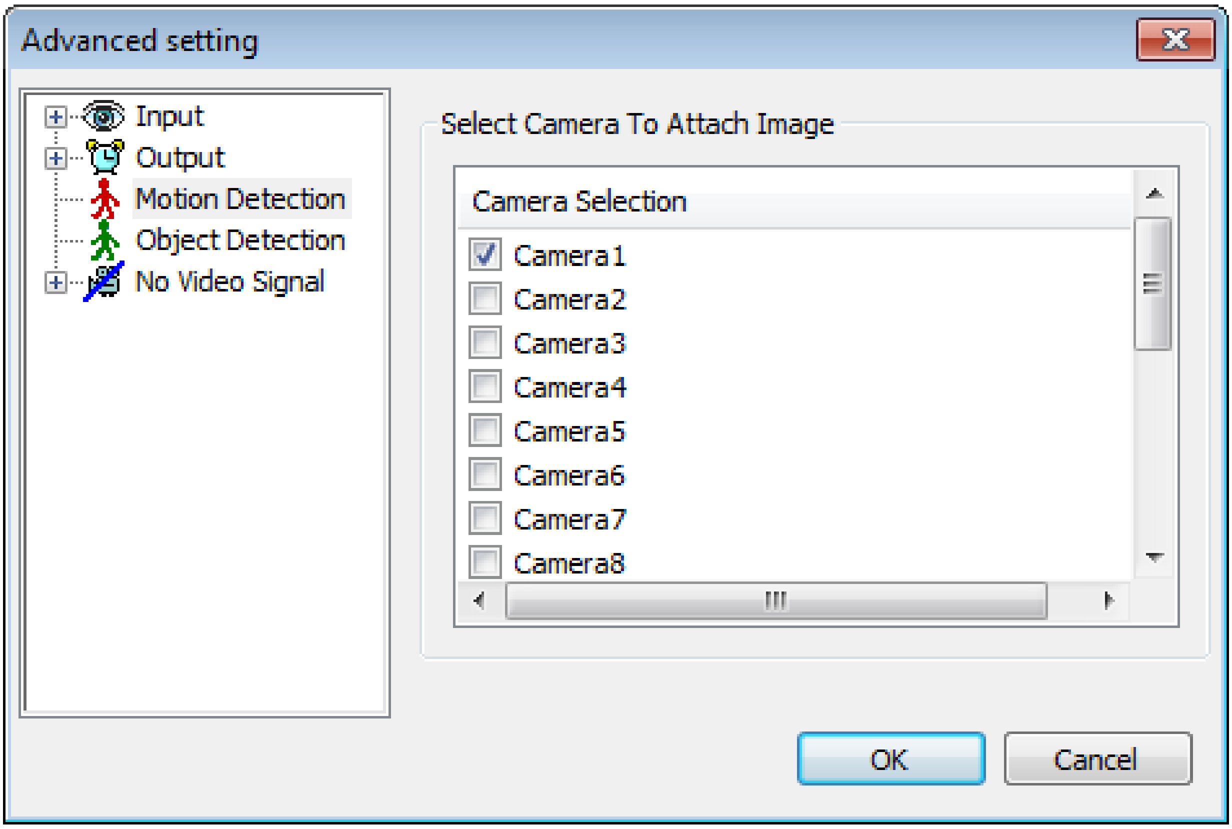
☐ Login
☐ Logout
☐ Full storage space.
☐ Alert
☐ Audio Capture Error
☐ Disk Writing Failed
☐ Output
☐ No Video Signal

☐ Scheduled Report

From : 0:00

To : 0:00

Click “Advanced setting” to select cameras to attach image.



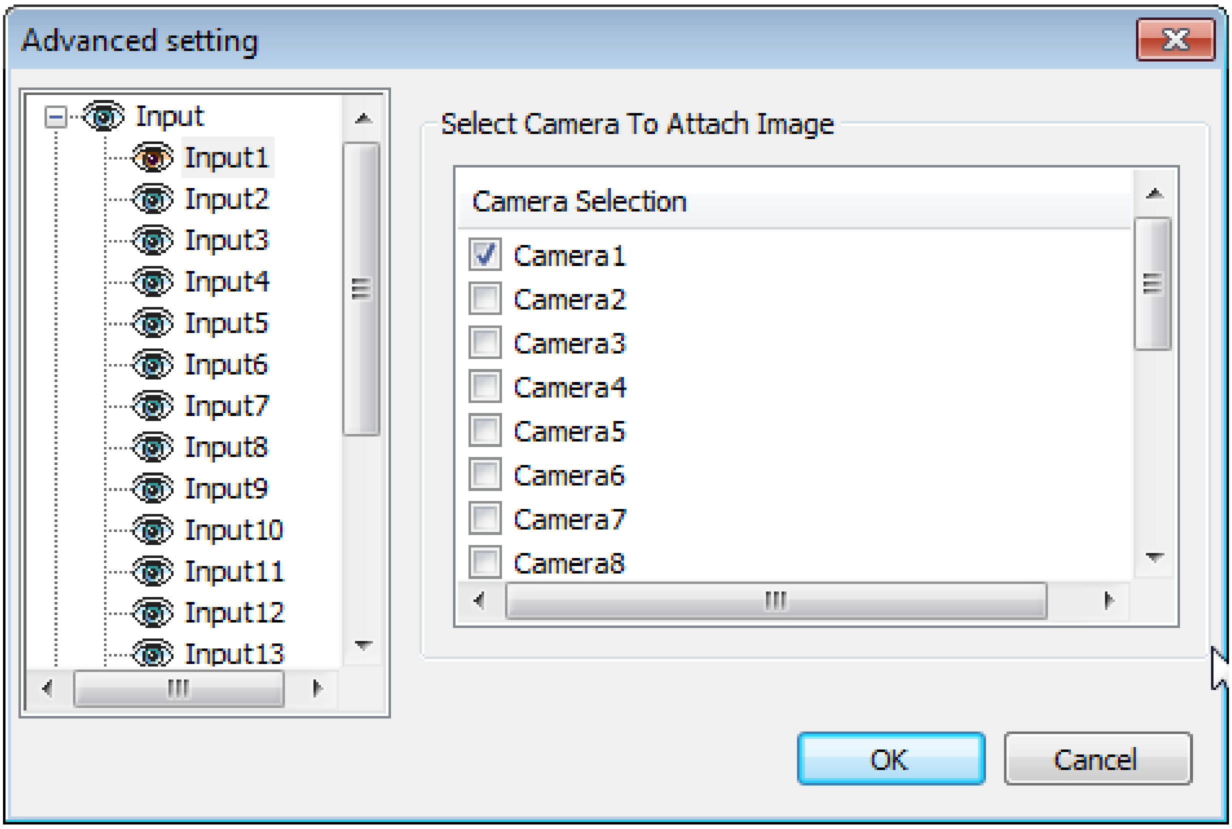
Advanced setting

Select Camera To Attach Image

Camera Selection

☑ Camera1
☐ Camera2
☐ Camera3
☐ Camera4
☐ Camera5
☐ Camera6
☐ Camera7
☐ Camera8

Send camera(s) to send out image(s) when the event occurs.

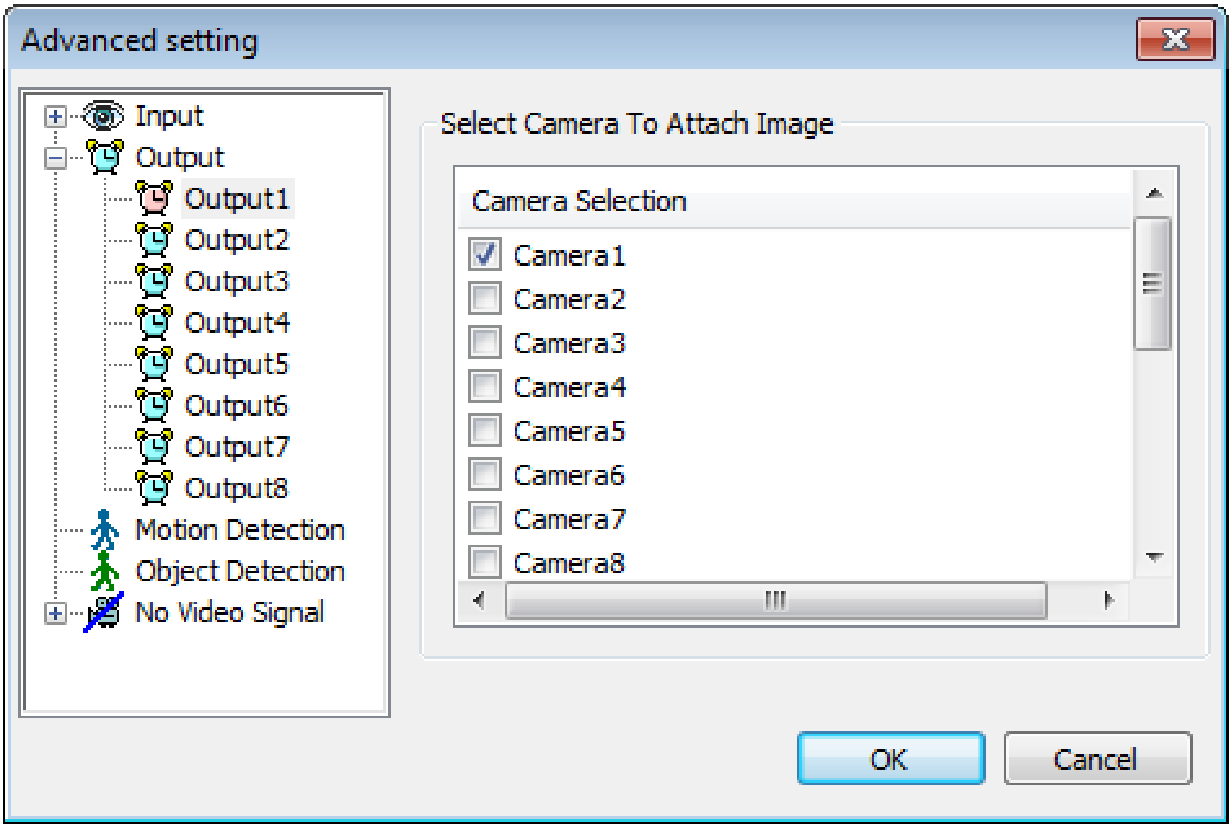


Advanced setting

Select Camera To Attach Image

Camera Selection

- ☑ Camera1
- ☐ Camera2
- ☐ Camera3
- ☐ Camera4
- ☐ Camera5
- ☐ Camera6
- ☐ Camera7
- ☐ Camera8

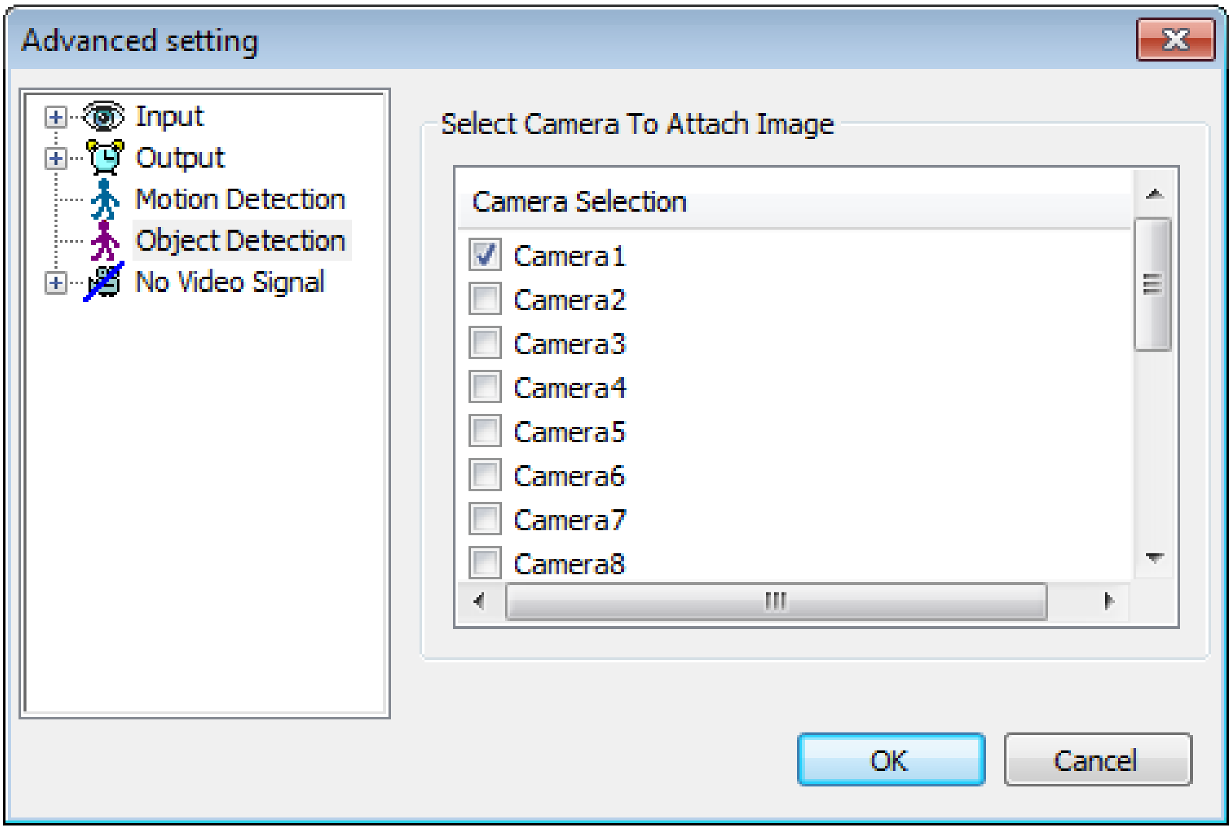


Advanced setting

Select Camera To Attach Image

Camera Selection

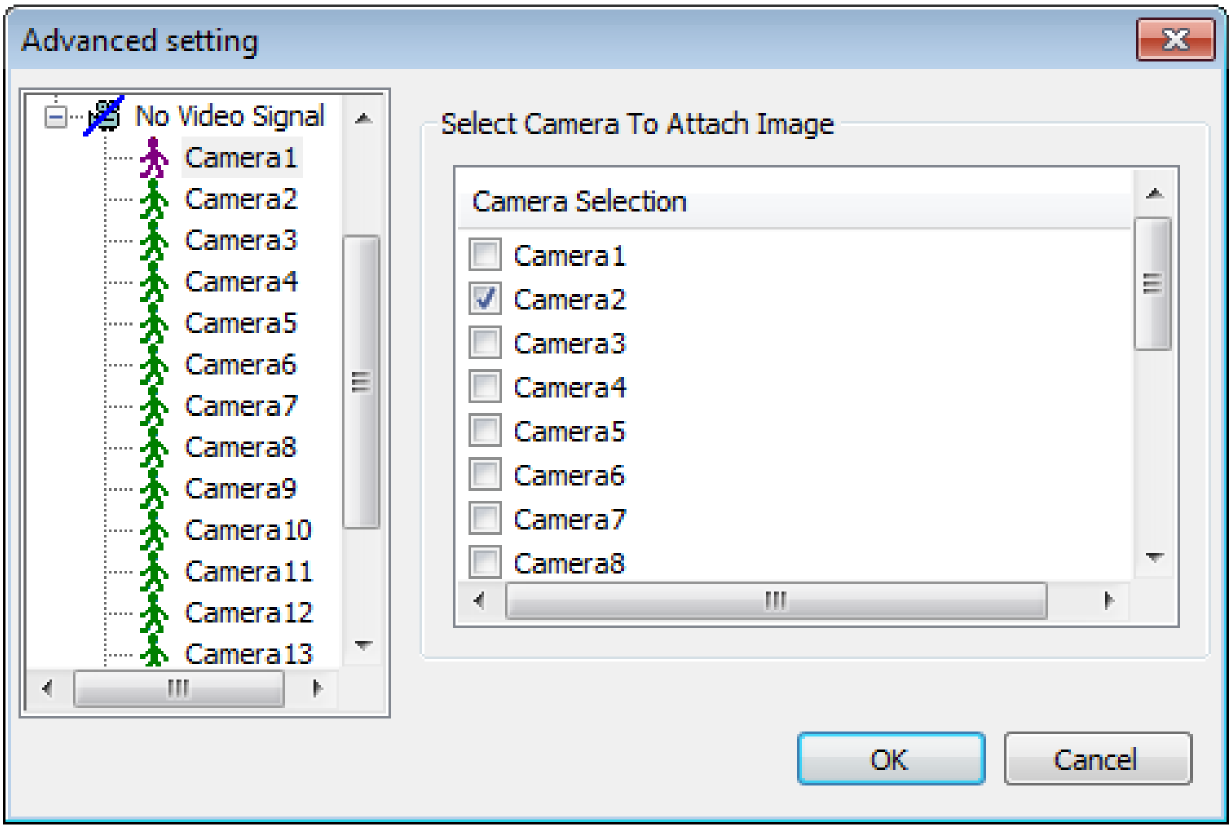
- ☑ Camera1
- ☐ Camera2
- ☐ Camera3
- ☐ Camera4
- ☐ Camera5
- ☐ Camera6
- ☐ Camera7
- ☐ Camera8



Select Camera To Attach Image

Camera Selection

- ☑ Camera1
- ☐ Camera2
- ☐ Camera3
- ☐ Camera4
- ☐ Camera5
- ☐ Camera6
- ☐ Camera7
- ☐ Camera8

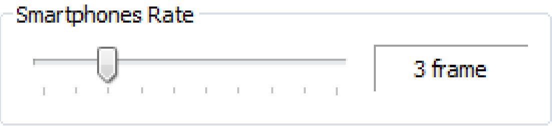


Select Camera To Attach Image

Camera Selection

- ☐ Camera1
- ☑ Camera2
- ☐ Camera3
- ☐ Camera4
- ☐ Camera5
- ☐ Camera6
- ☐ Camera7
- ☐ Camera8

● Smartphones Rate



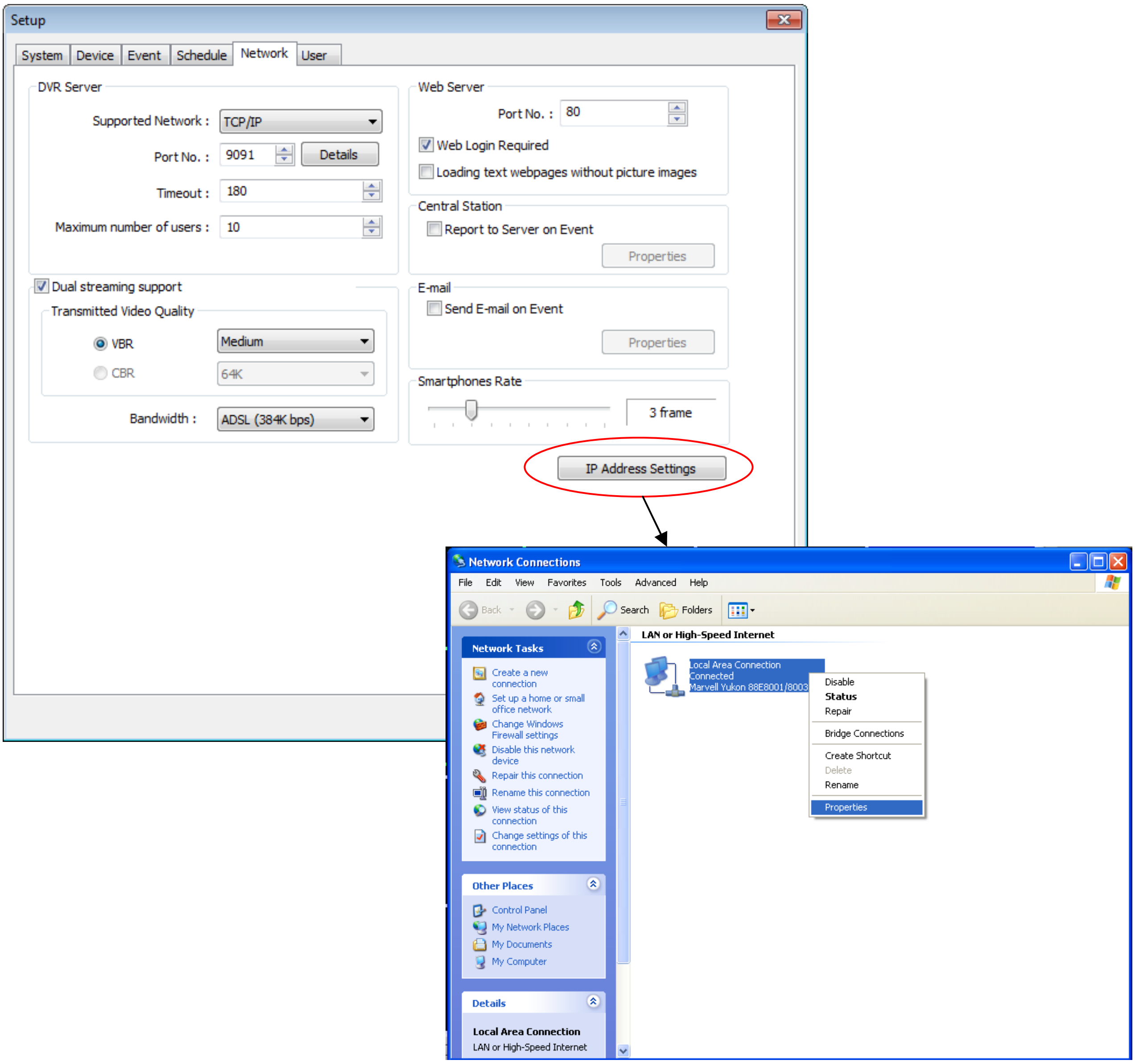
Smartphones Rate

3 frame

Adjust smartphone transmit frame rate by set “Smartphones Rate”
(1 frame ~ 10 frames per second.)

● IP Address Setup

Clicking “IP Address Setting” will open a window for Network Connections as below.



DVR Server

Supported Network : TCP/IP

Port No. : 9091

Timeout : 180

Maximum number of users : 10

☑ Dual streaming support

Transmitted Video Quality

● VBR Medium

○ CBR 64K

Bandwidth : ADSL (384K bps)

Web Server

Port No. : 80

☑ Web Login Required

☐ Loading text webpages without picture images

Central Station

☐ Report to Server on Event

E-mail

☐ Send E-mail on Event

Smartphones Rate

3 frame

LAN or High-Speed Internet

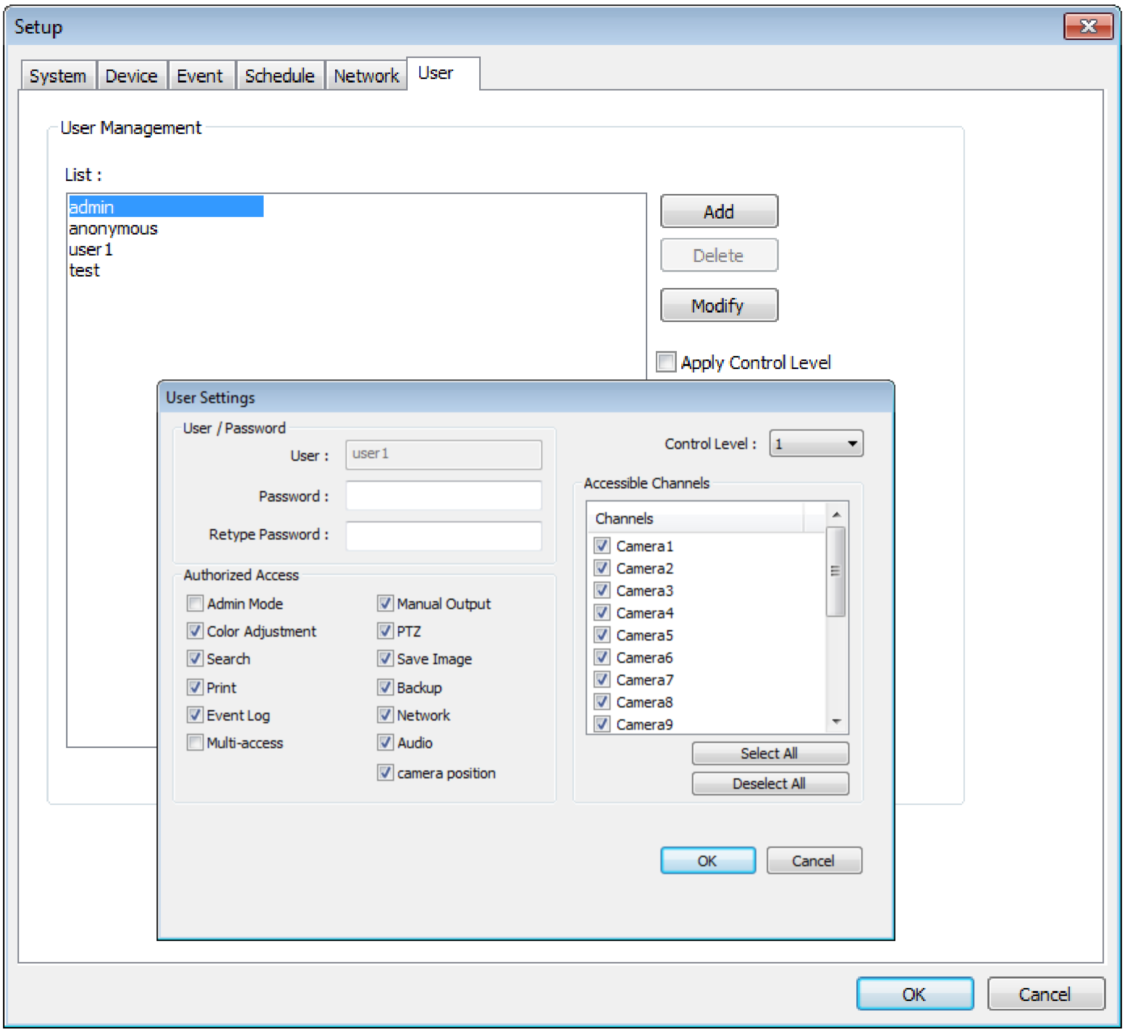
Local Area Connection
Connected
Marvell Yukon 88E8001/8003

Local Area Connection
LAN or High-Speed Internet

Click right mouse and select Properties for IP setup for DVR’s network functions.

(6) User

Users can be added, deleted or modified with different authorized access and control levels.
There are no limits in the number of users created.



List :
admin
anonymous
user1
test

☐ Apply Control Level

User / Password
User : user1
Password :
Retype Password :

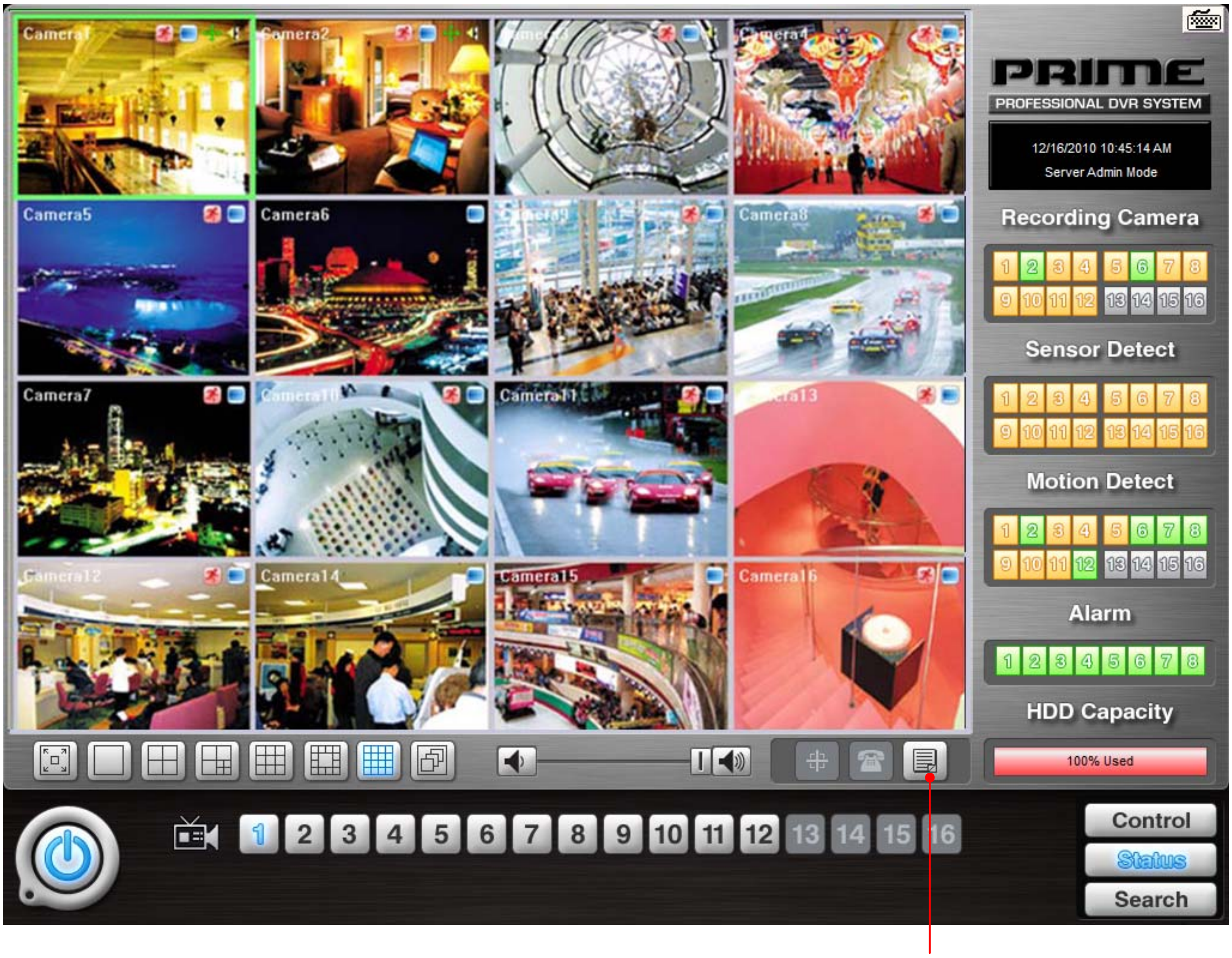
Control Level : 1

Authorized Access
☐ Admin Mode
☑ Color Adjustment
☑ Search
☑ Print
☑ Event Log
☐ Multi-access
☑ Manual Output
☑ PTZ
☑ Save Image
☑ Backup
☑ Network
☑ Audio
☑ camera position

Accessible Channels
Channels
☑ Camera1
☑ Camera2
☑ Camera3
☑ Camera4
☑ Camera5
☑ Camera6
☑ Camera7
☑ Camera8
☑ Camera9

Authorized Access: If it checked, functions will be allowed to access remotely.
Accessible Channels: If it checked, channels will be allowed to view remotely.
Control Level: The lowest number will be allowed to have the first priority to set up, control, etc remotely.
Admin Mode: A user who can go into the setup and program (given the same authorization as “Admin”).
Only one user with “Admin Mode” can log in remotely.
Manual Output: If it checked, user can use TV out by right click mouse menu.
Network: If it checked, remote access authorization will be given to relevant user.
Multi-access: If checked, multi-users with the same user name can log in remotely at the same time.
Minimize: An authority that can minimize S/W.
Camera position: authorized user can do relocate camera screen position.

CHAPTER 4
View Log Application(Status)



Event Log

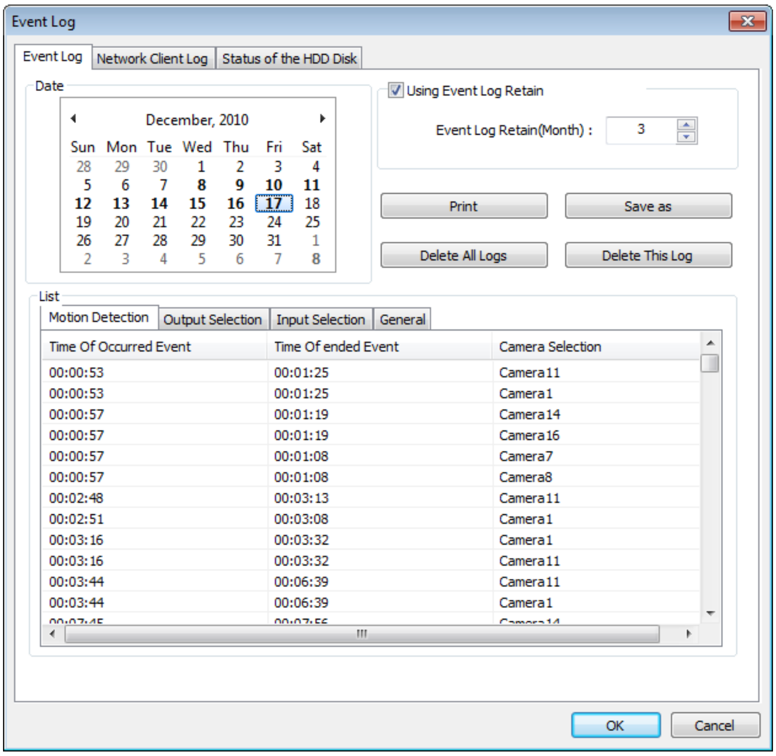
1. Screen Features

Recording Camera: It shows recording status.
Sensor Detect: It shows sensor detection status.
Motion Detect: It shows motion detection status.
Alarm: It shows alarm activation status.
HDD Capacity: It shows HDD capacity used for recording.
Event Log: It shows events occurred.

(1) Event Log

Event search is classified by motion detection, output, input and general.
Event occurred time and ended time by camera are displayed simply on the table.
Printing, saving of saved event list and managing the list are available in the ‘Event Search’ menu. Checking access network user and its time is available. It is also possible to check HDD health.

● Motion Detection



December, 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	1	2	3	4
5	6	7	**8**	**9**	**10**	**11**
12	**13**	**14**	**15**	**16**	**17**	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

☑ Using Event Log Retain

Event Log Retain(Month) : 3

Time Of Occurred Event	Time Of ended Event	Camera Selection
00:00:53	00:01:25	Camera11
00:00:53	00:01:25	Camera1
00:00:57	00:01:19	Camera14
00:00:57	00:01:19	Camera16
00:00:57	00:01:08	Camera7
00:00:57	00:01:08	Camera8
00:02:48	00:03:13	Camera11
00:02:51	00:03:08	Camera1
00:03:16	00:03:32	Camera1
00:03:16	00:03:32	Camera11
00:03:44	00:06:39	Camera11
00:03:44	00:06:39	Camera1

Using Event Log Retain: Event log can be saved into DVR automatically from 1 to 12 months and its default setting is 3 months. It is to avoid overloading of event log.
Example: If it sets 3 months and it is 20th of August today. It deletes data before 20th of May.

Date: All dates with events will be marked in bold numbers.
List: All events for a certain selected date will be shown.
Delete All Logs: If clicked, all the previous records will be deleted.
Delete This Log: If clicked, only the events for a certain selected date will be deleted.
Print: Print the event log of a selected date.
Save as: Save an event log of selected date with text file.

Motion Detection: Occurred and ended time of motion detection event is displayed on the table prominently with camera info.

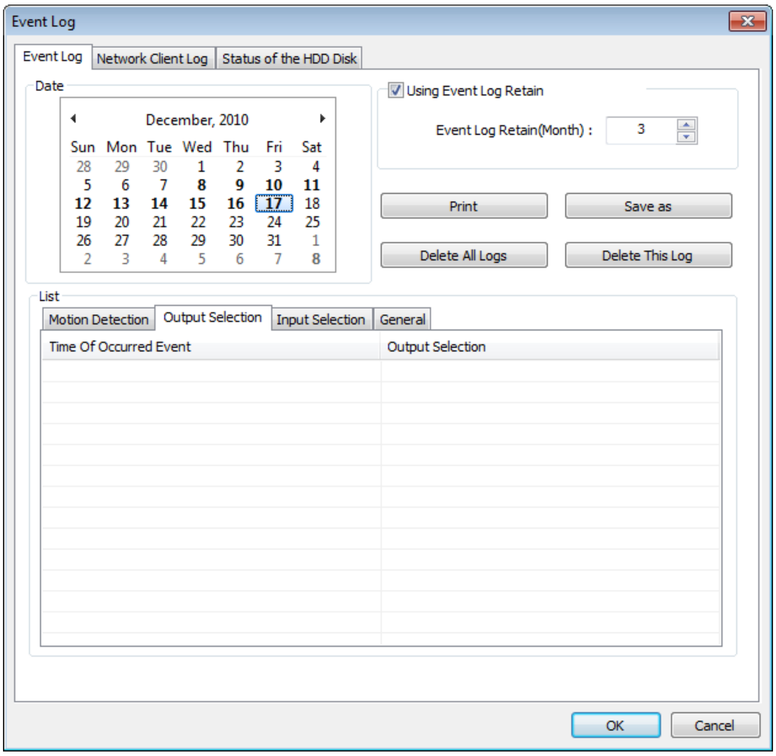
Caution

1. Remote client software and server version needs to be the same as 5.5.4.0.

There is a problem in computability with server if client version is not 5.5.4.0. Upgrading client software to 5.5.4.0 is highly recommended.

2. Log saved separately to manage “Event Log” efficiently. Viewer program is required to maintain “Event Log”.

● Output Selection



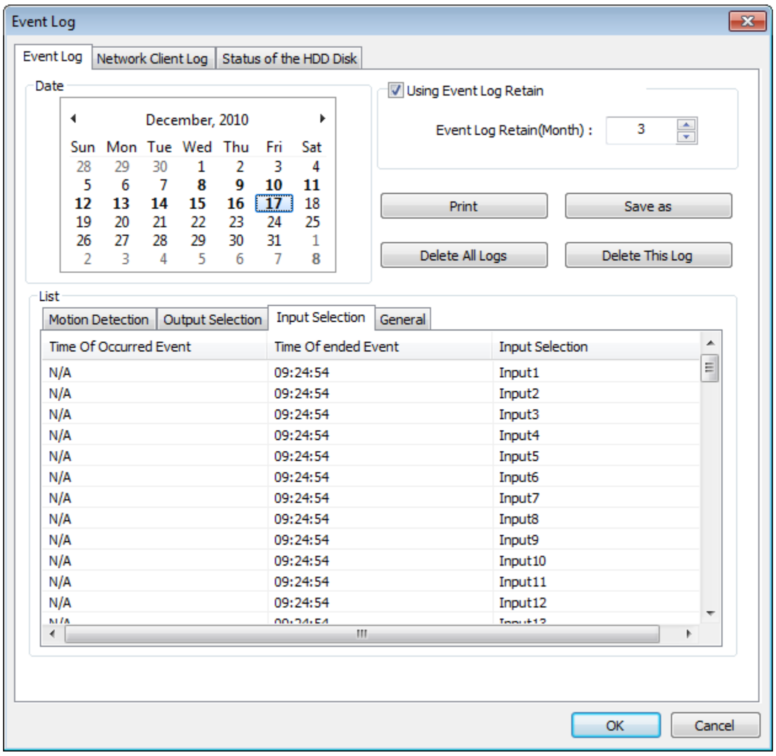
☑ Using Event Log Retain

Event Log Retain(Month) : 3

Time Of Occurred Event	Output Selection

Output Selection: Occurred time of event from output device is displayed on the table prominently with output device info.

● Input Selection



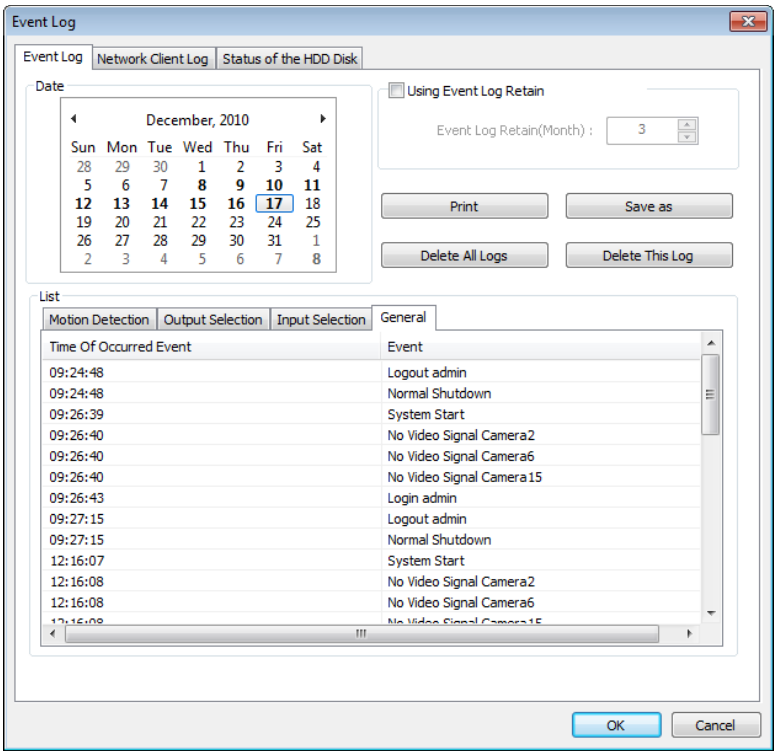
☑ Using Event Log Retain

Event Log Retain(Month) : 3

Time Of Occurred Event	Time Of ended Event	Input Selection
N/A	09:24:54	Input1
N/A	09:24:54	Input2
N/A	09:24:54	Input3
N/A	09:24:54	Input4
N/A	09:24:54	Input5
N/A	09:24:54	Input6
N/A	09:24:54	Input7
N/A	09:24:54	Input8
N/A	09:24:54	Input9
N/A	09:24:54	Input10
N/A	09:24:54	Input11
N/A	09:24:54	Input12

Input Selection: Occurred time of event from input device is displayed on the table prominently with input device info.

- **General**



December, 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

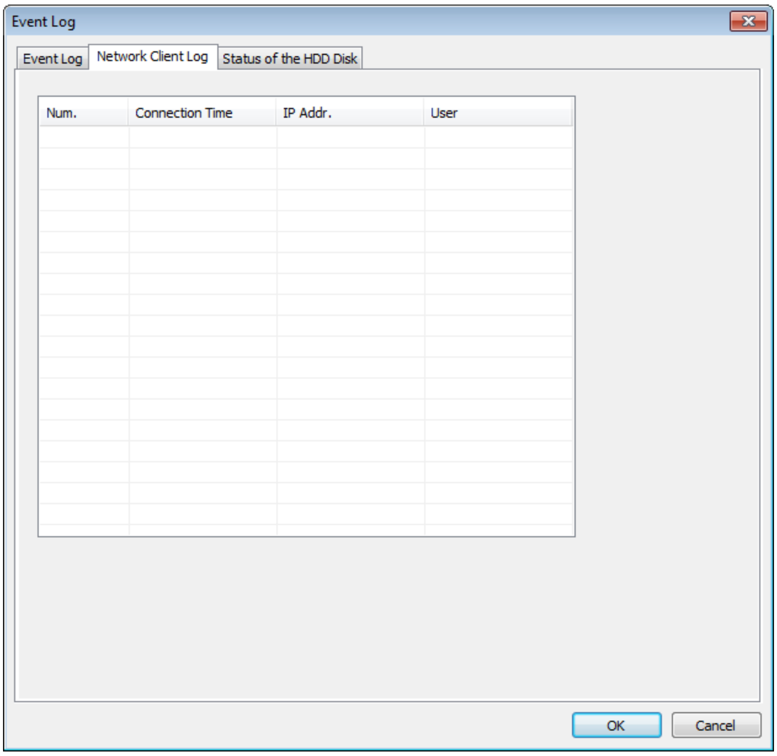
☐ Using Event Log Retain

Event Log Retain(Month) : 3

Time Of Occurred Event	Event
09:24:48	Logout admin
09:24:48	Normal Shutdown
09:26:39	System Start
09:26:40	No Video Signal Camera2
09:26:40	No Video Signal Camera6
09:26:40	No Video Signal Camera15
09:26:43	Login admin
09:27:15	Logout admin
09:27:15	Normal Shutdown
12:16:07	System Start
12:16:08	No Video Signal Camera2
12:16:08	No Video Signal Camera6

General: Occurred time of events from all connected devices are displayed on the table prominently with each device info.

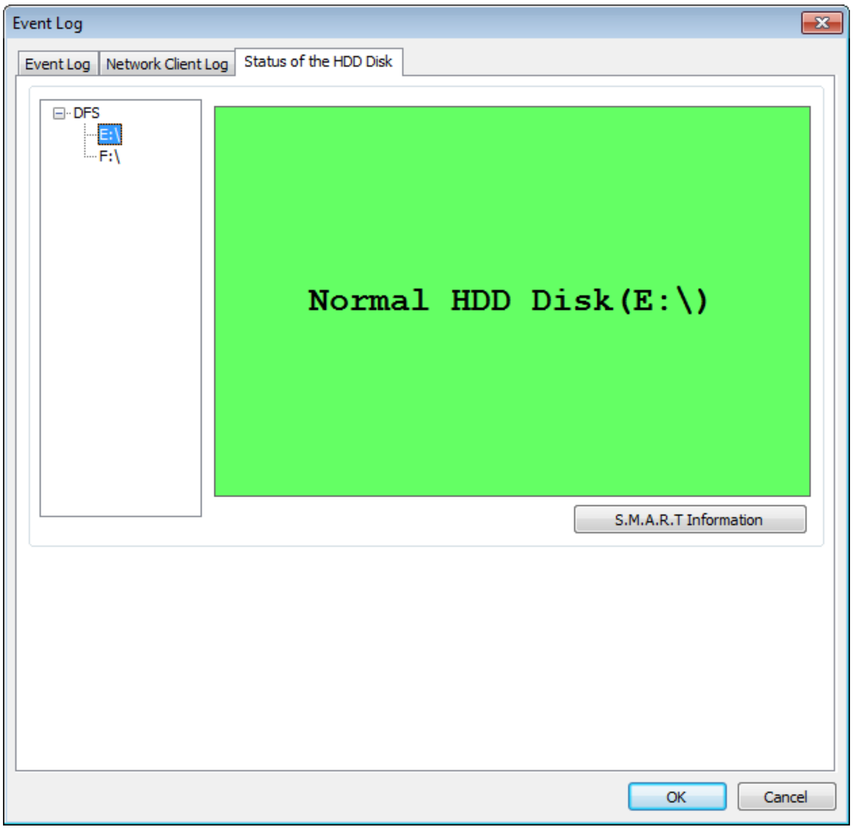
(2) Network Client Log



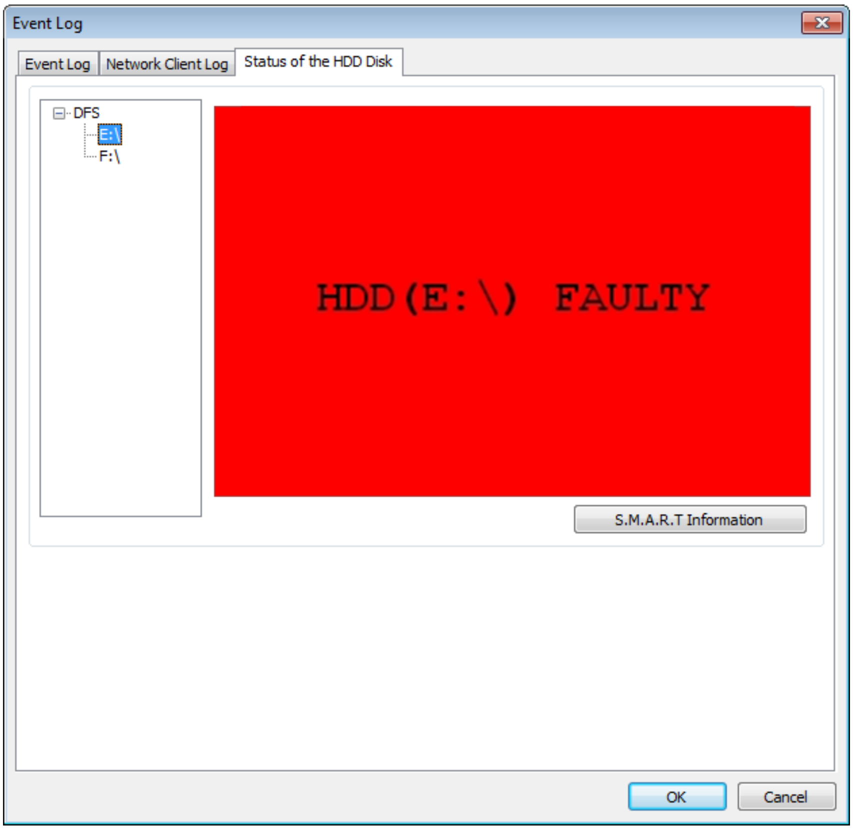
Num.	Connection Time	IP Addr.	User

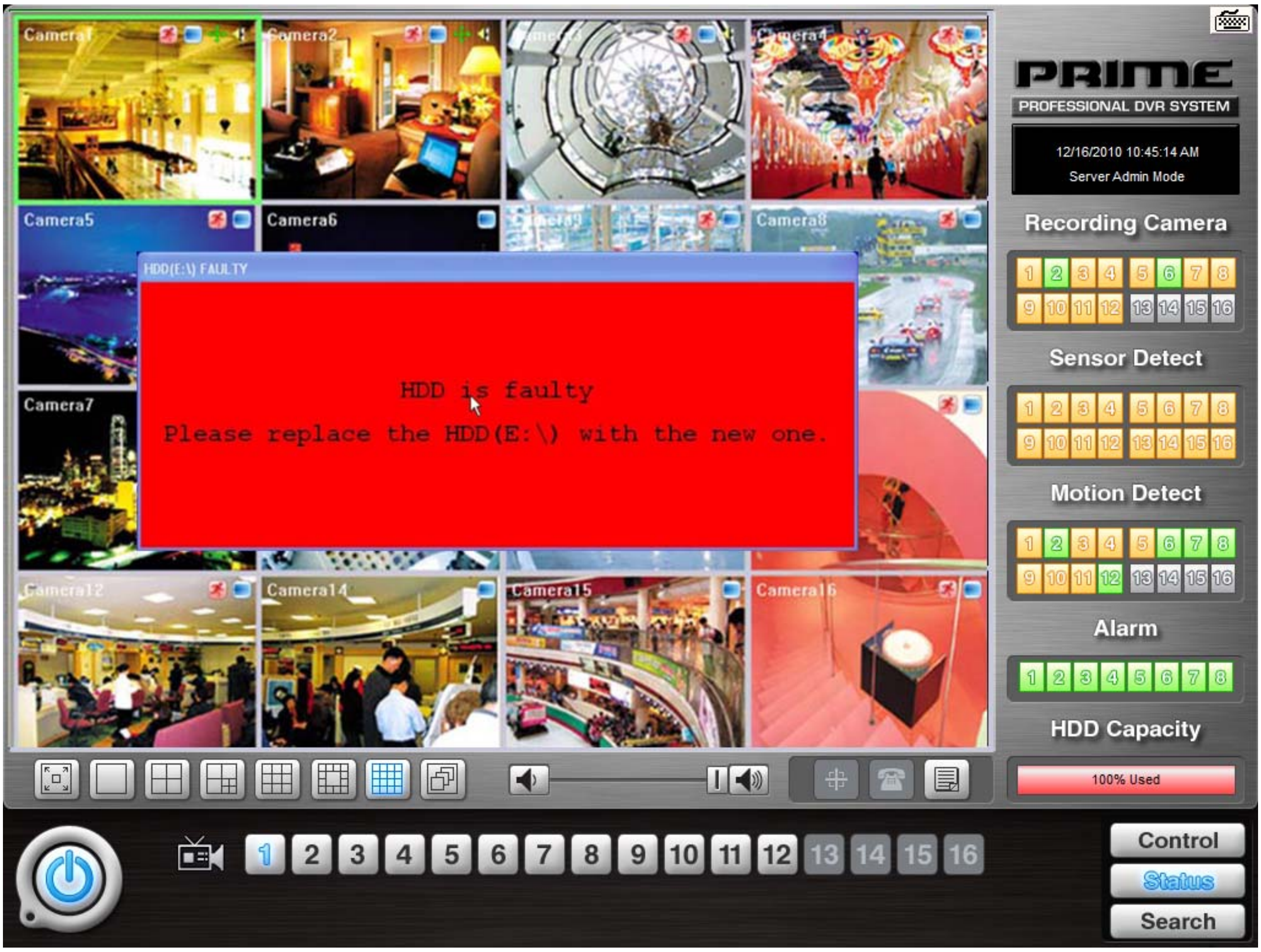
Network Client Log: Remote login records will be also kept on DVR server.
Checking accessed network user, connected time and IP address are available.

(3) Status of the HDD



Every 5 hour DVR checks the status of HDD and shows its condition with different colors.
Green: okay Yellow: Faulty is going on. Red: Completely fault.



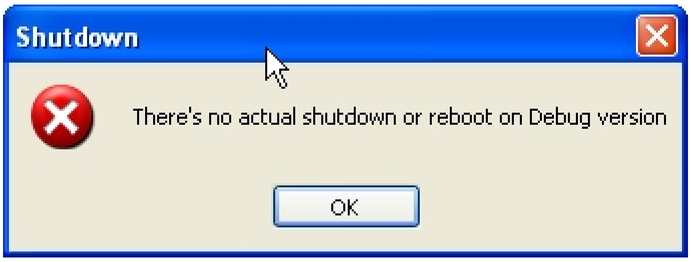


HDD(E:\) FAULTY

HDD is faulty

Please replace the HDD(E:\) with the new one.

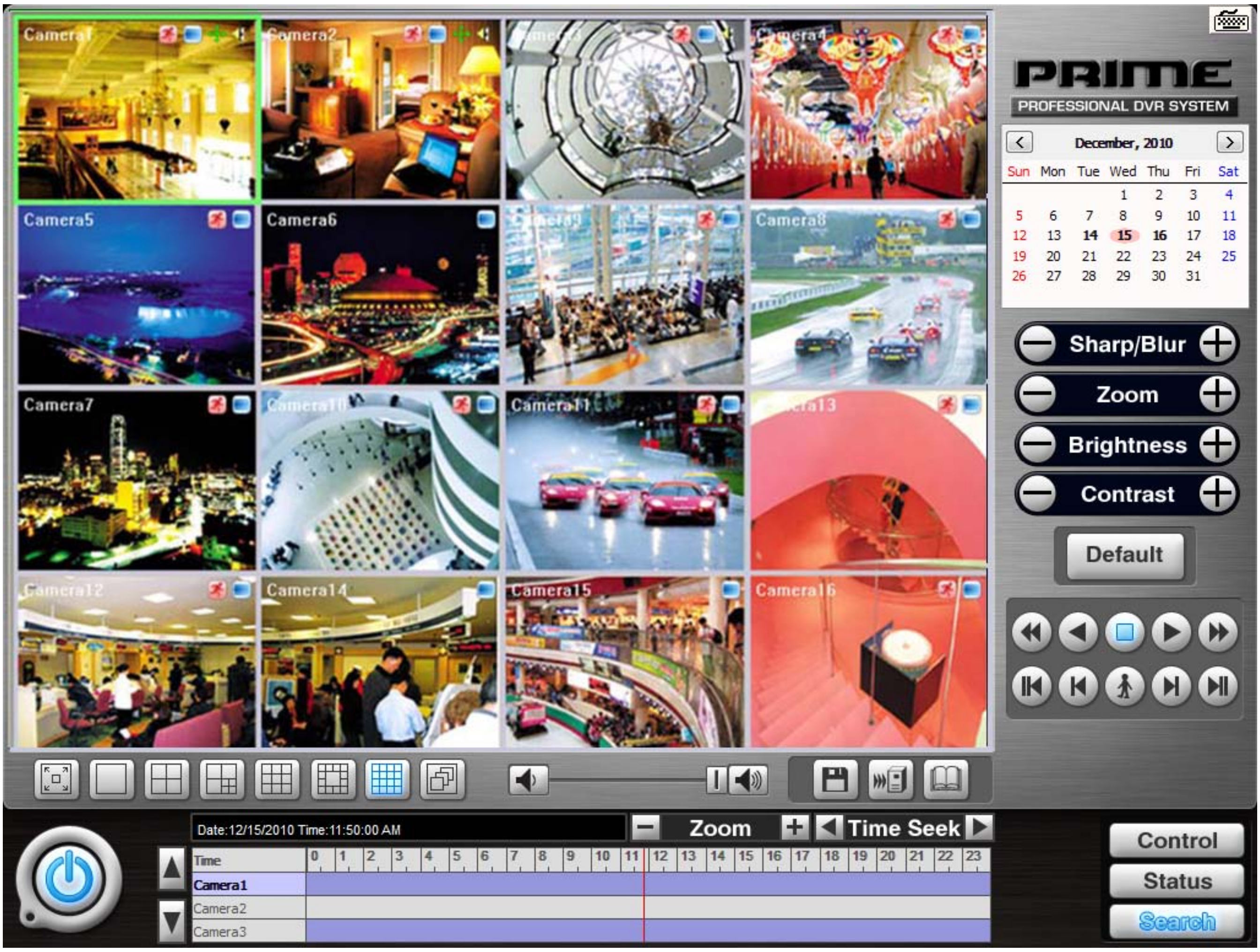
If HDD is completely fault, POPUP menu as above will be shown.
It rests till the system shuts down, and it shuts down below message will be appeared.



Shutdown

There's no actual shutdown or reboot on Debug version

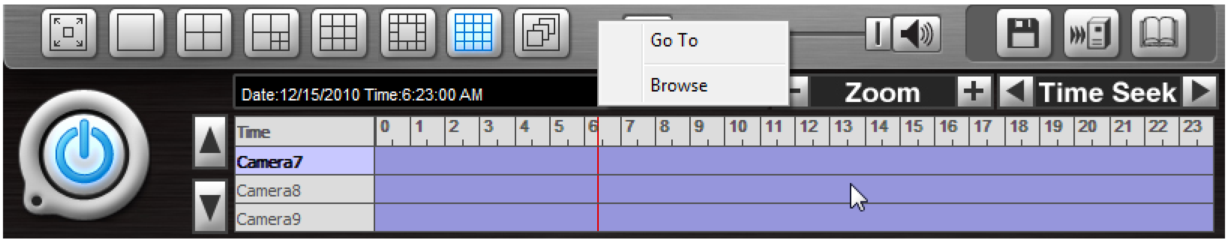
CHAPTER 5
Playback Application (Search)



1. Search Features 1

Calendar: All dates with recorded data will be marked in bold numbers.
Sharp/Blur: Buttons to adjust sharpness of image
Zoom: Buttons to zoom in/out
Brightness: buttons to adjust brightness
Contrast: buttons to adjust contrast
Default: Default for Zoom/Brightness/Contrast

2.Search Features 2



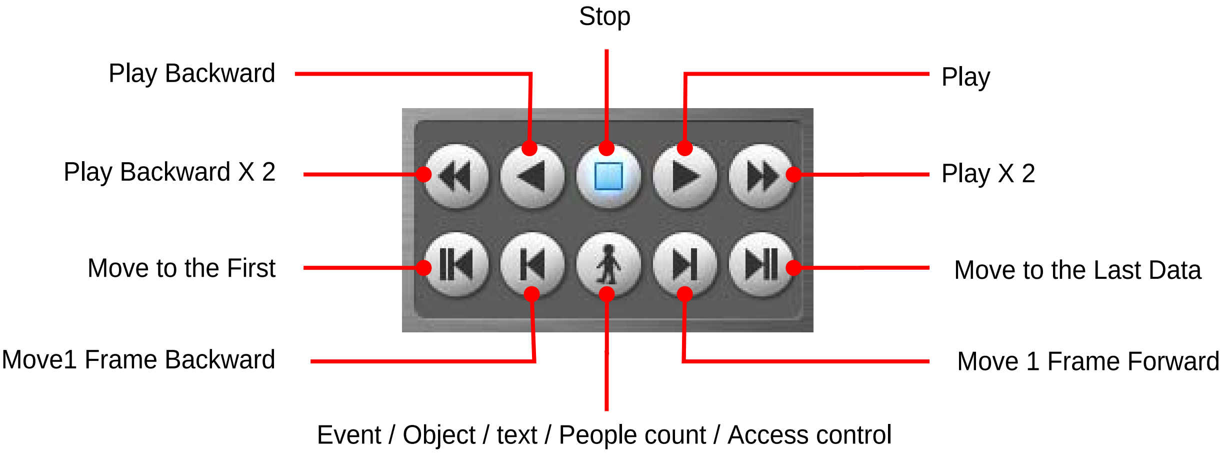
Clicking right mouse on Time bar for Browse… and select a folder containing backup data

(1) Playback

For playback, simply select date, screen mode (1, 4, 7, 9, 13, 16, etc.), time by one click on the time bar and click the play button.

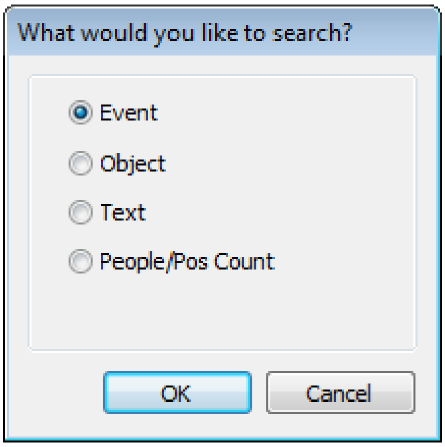
What different colors mean on the time bar:

1. **Blue:** Recorded data by sensor & motion detection
2. **Purple:** Recorded data by 24-hour-recording
3. **White:** No recorded data in all cameras
4. **Gray:** No recorded data for some cameras
5. **Green:** Blue + audio
6. **Light Green:** Purple + audio
7. **Dark Red:** Purple + recorded text data (POS)
8. **Orange:** Even- recorded data with recorded text data.
9. **Dark Yellow:** Event-recorded data + recorded text data + audio
10. **Yellow:** Purple + recorded text data + audio

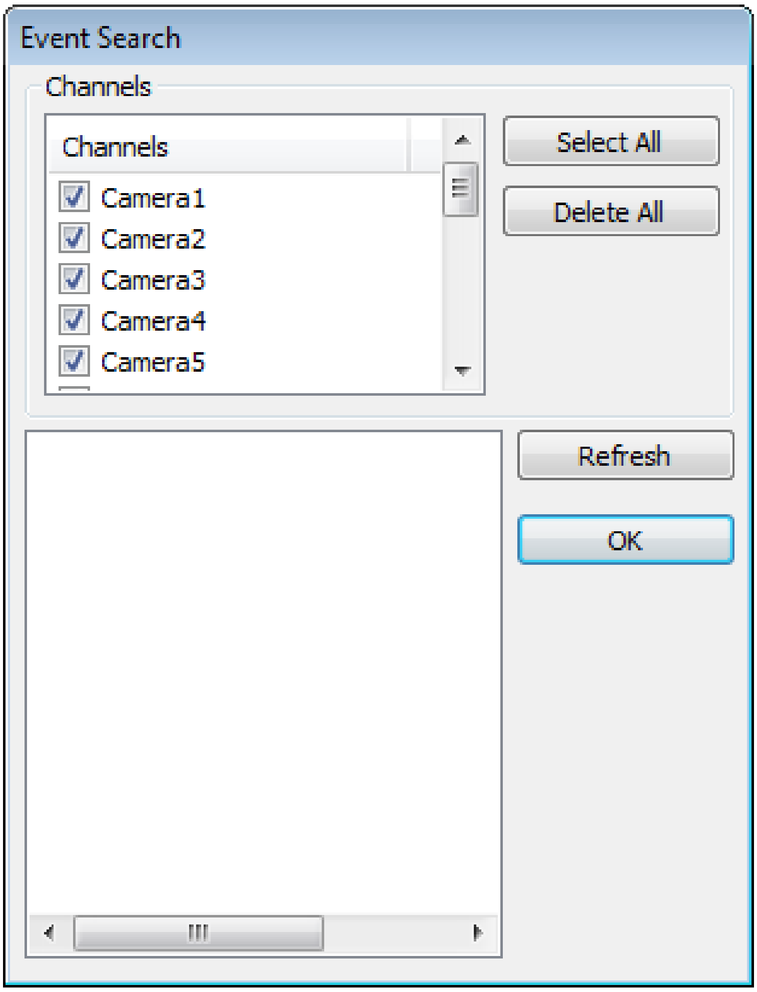


(2) Event / Object / Text / People Count / Access Control Search

[Event Search]

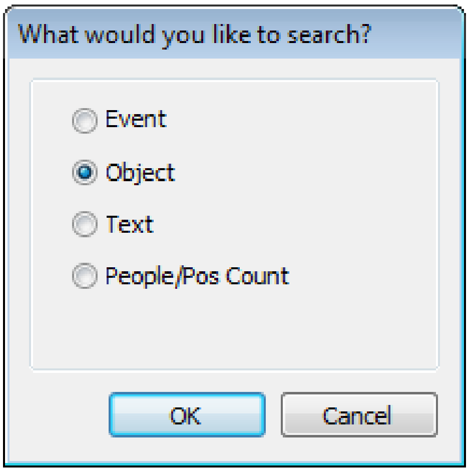


Click the Event / Object / Text / People/POS Count Search button and select “Event”.



Select channels for Event Search.
Select one event from the event list and click “OK”, and the selected event will be displayed.
Click “Refresh” to update the list.

[Object Search]



What would you like to search?

○ Event

● Object

○ Text

○ People/Pos Count

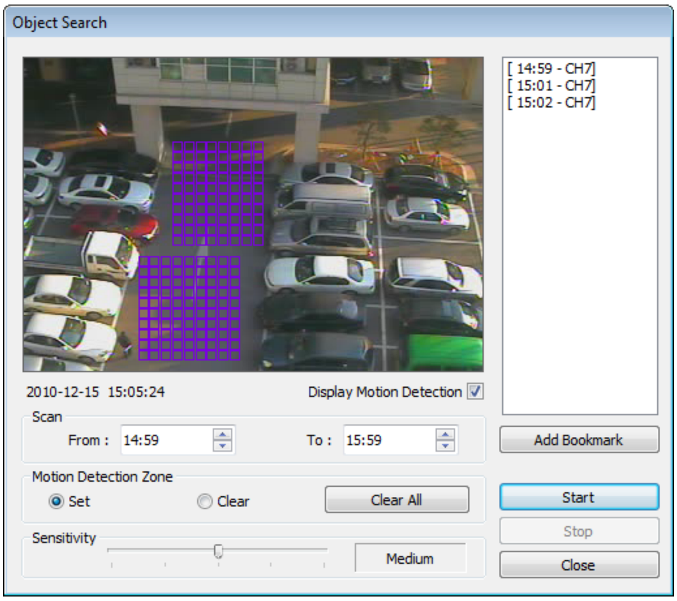
Object Search is only to search certain selected objects for a certain period of time.

Scan: Set the time period for object search

Motion Detection Zone: Select “Set” and mark areas for object search by dragging mouse.
“Clear” is used to erase certain areas inside motion detection zones.

Sensitivity: Set motion detection sensitivity level.

Clear All: Click on it to clear all the motion detection zones set.



Object Search

[14:59 - CH7]
[15:01 - CH7]
[15:02 - CH7]

2010-12-15 15:05:24

Display Motion Detection ☑

Scan

From : 14:59 To : 15:59

Motion Detection Zone

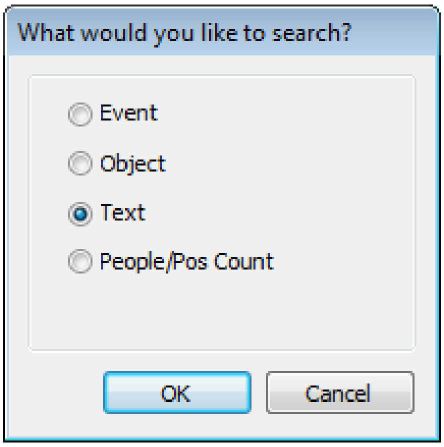
● Set ○ Clear

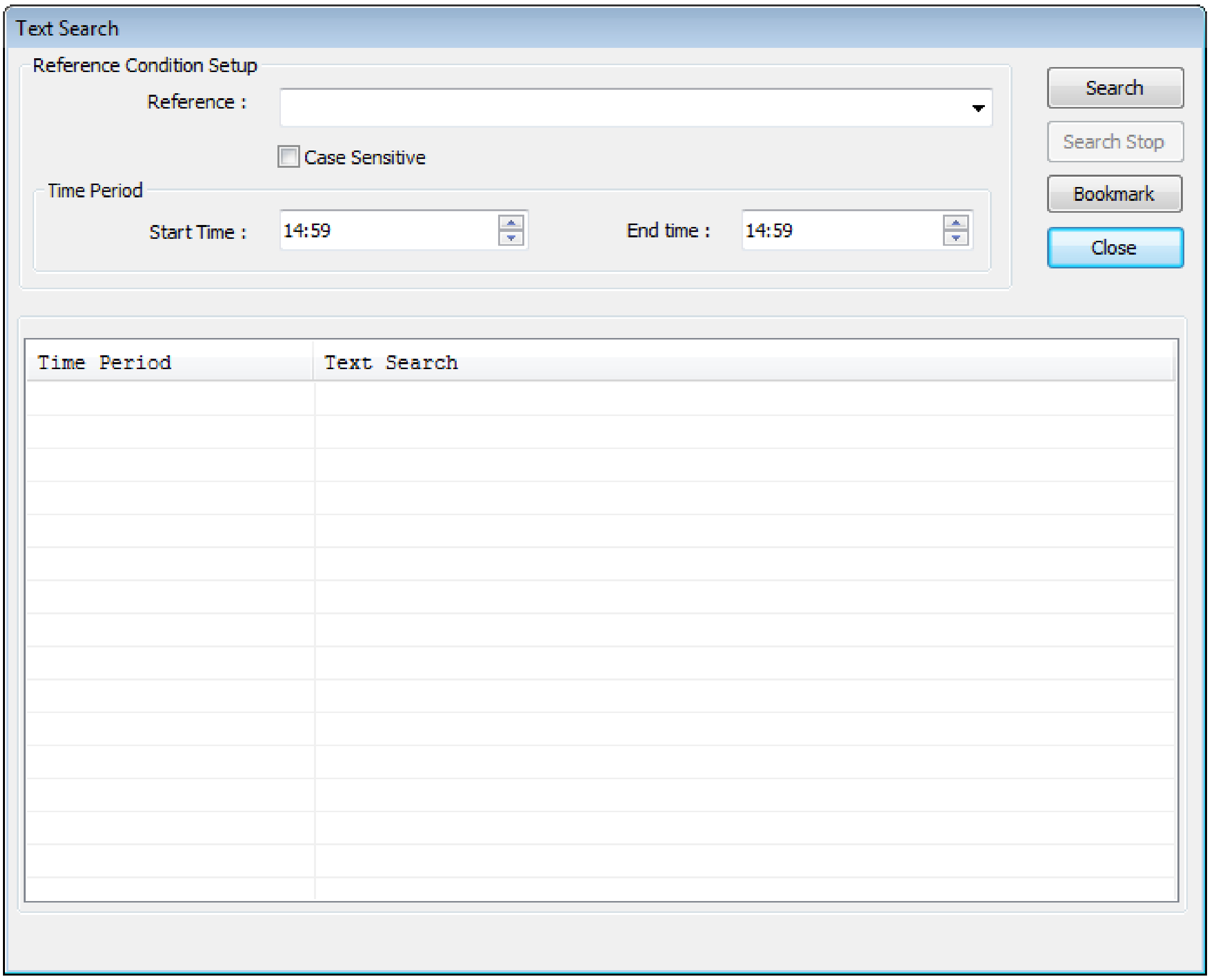
Sensitivity

Medium

[Text Search]

It is to search POS text data with image according to selected time period and item.



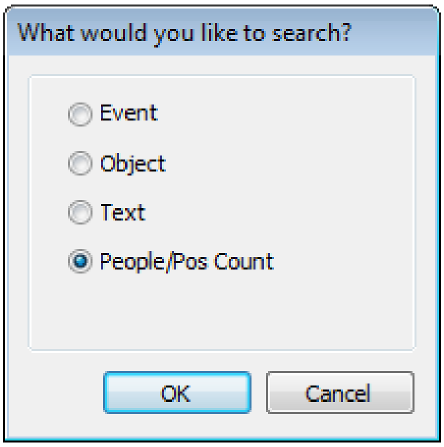


Put in an item (Reference), select time period and click on “Search”, and a list with transactions will be displayed.

- Searched words will be retained in the combo ox in down-list format so the data can be easily shown in next search.

[People / POS Count Search]

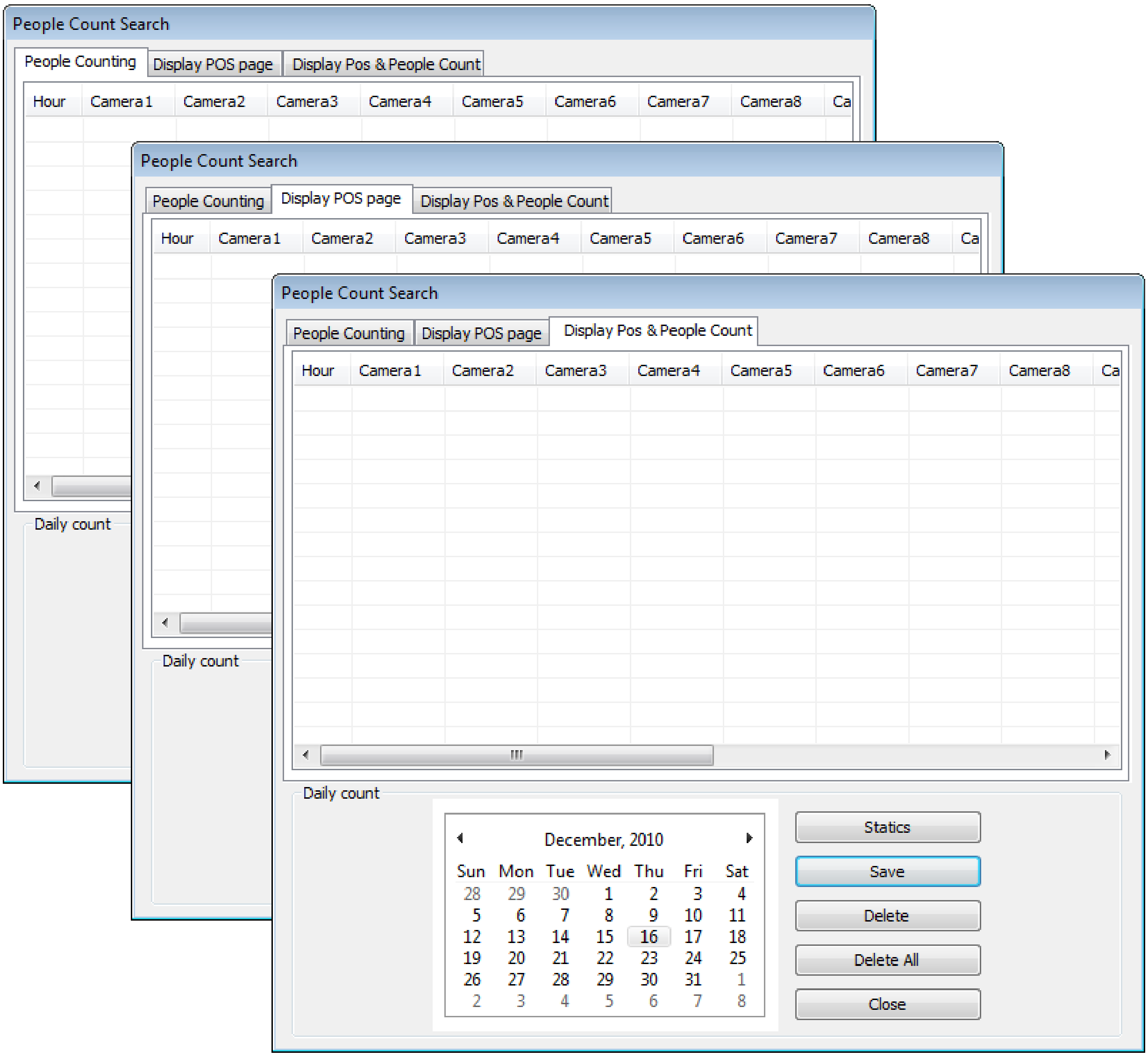
It is to search people/POS count statistics according to selected time period & camera.
Through this function, the results of people count and POS transaction can be analyzed by the hour and cameras.



What would you like to search?

○ Event
○ Object
○ Text
● People/Pos Count

Select date, camera & time, and statistics will be shown as below.
Statistics are distinguished as People Counting, POS Counting, and POS/People Counting.
Statistics can also be saved as text file.



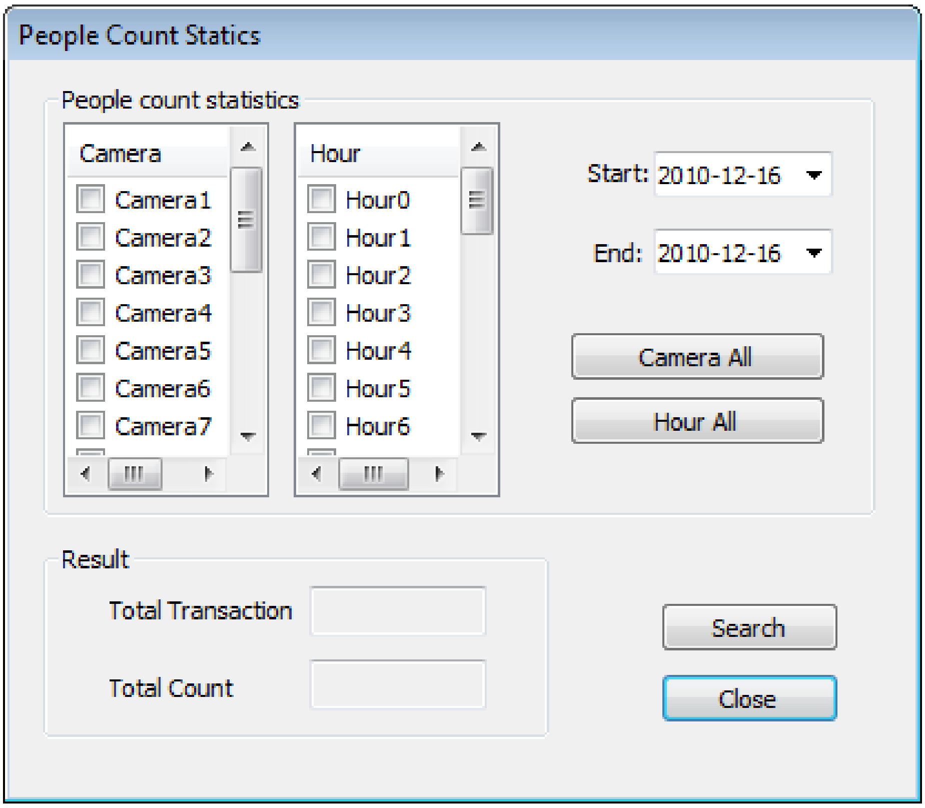
People Count Search

1. People Counting:
It shows counted people number in certain zones by Hour and Cameras on the table.

2. POS Counting:
Counting It shows received POS data number in DVR by Hour and Cameras on the table.

3. POS/People Counting:
It shows both counted People and received POS data number on the table.

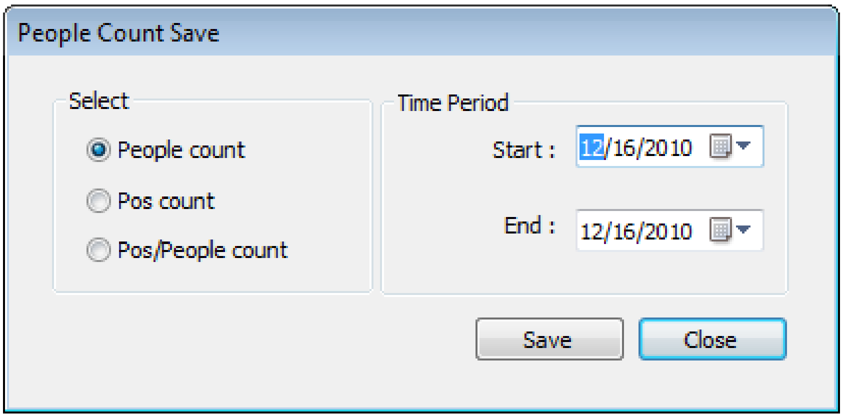
4. Delete/Delete All:
To erase data in statistics



Start: 2010-12-16
End: 2010-12-16

Statistics

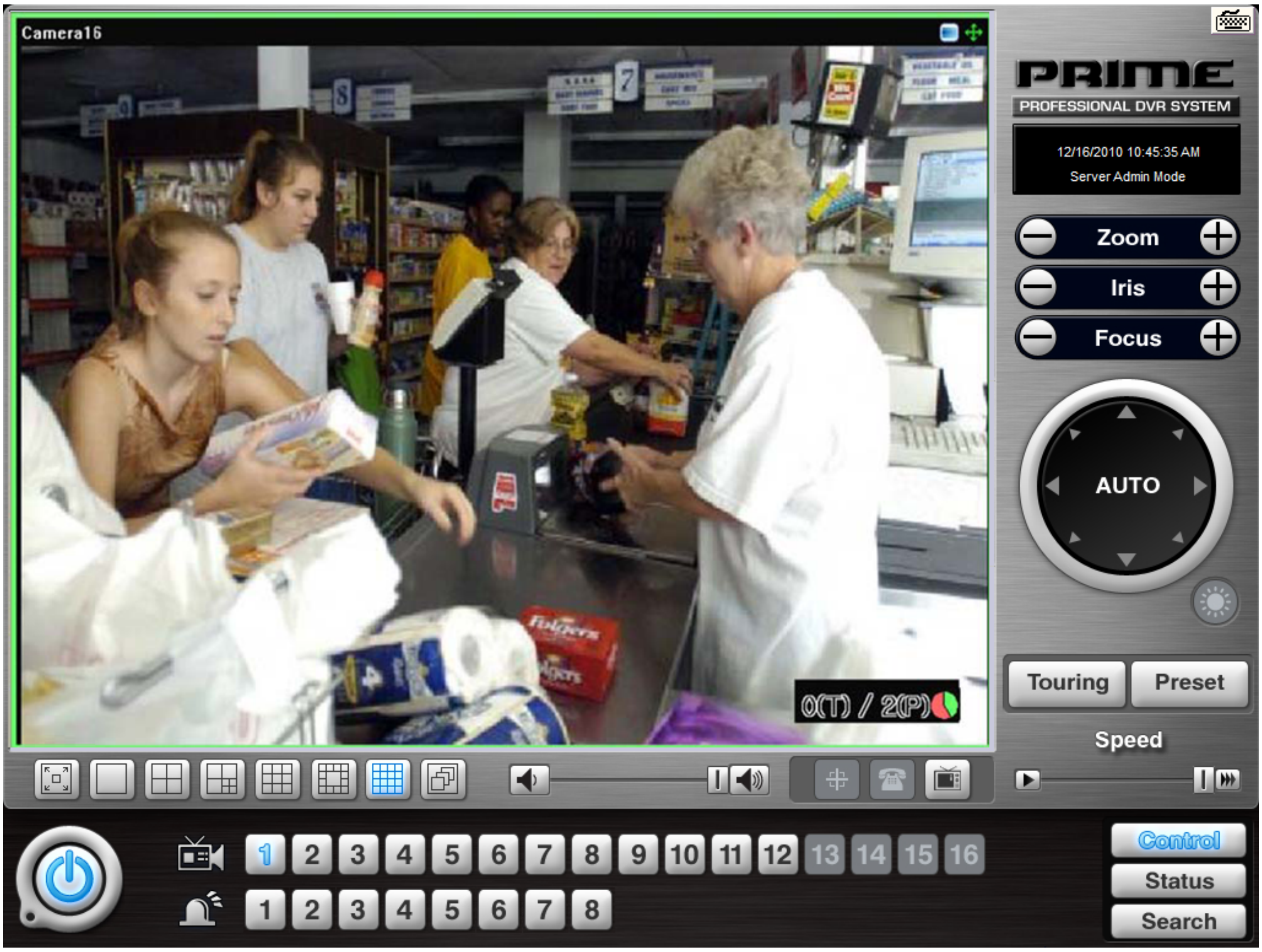
1. Camera/Hour: Select camera and hour wish to search
2. Start/End: Select date wish to search
3. Camera All/Hour All: Click it to select all cameras and hour.
4. Total Transaction: Results after searching transaction count in total
5. Total Count: Results after searching people count in total
6. Search: Click it to start search
7. Close: Click it to close the menu.



● People count
Start : 12/16/2010
End : 12/16/2010

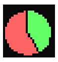
Save

1. Select: Select menu wish to save.
2. Time Period: Select date wish to save.



How to read data and graph

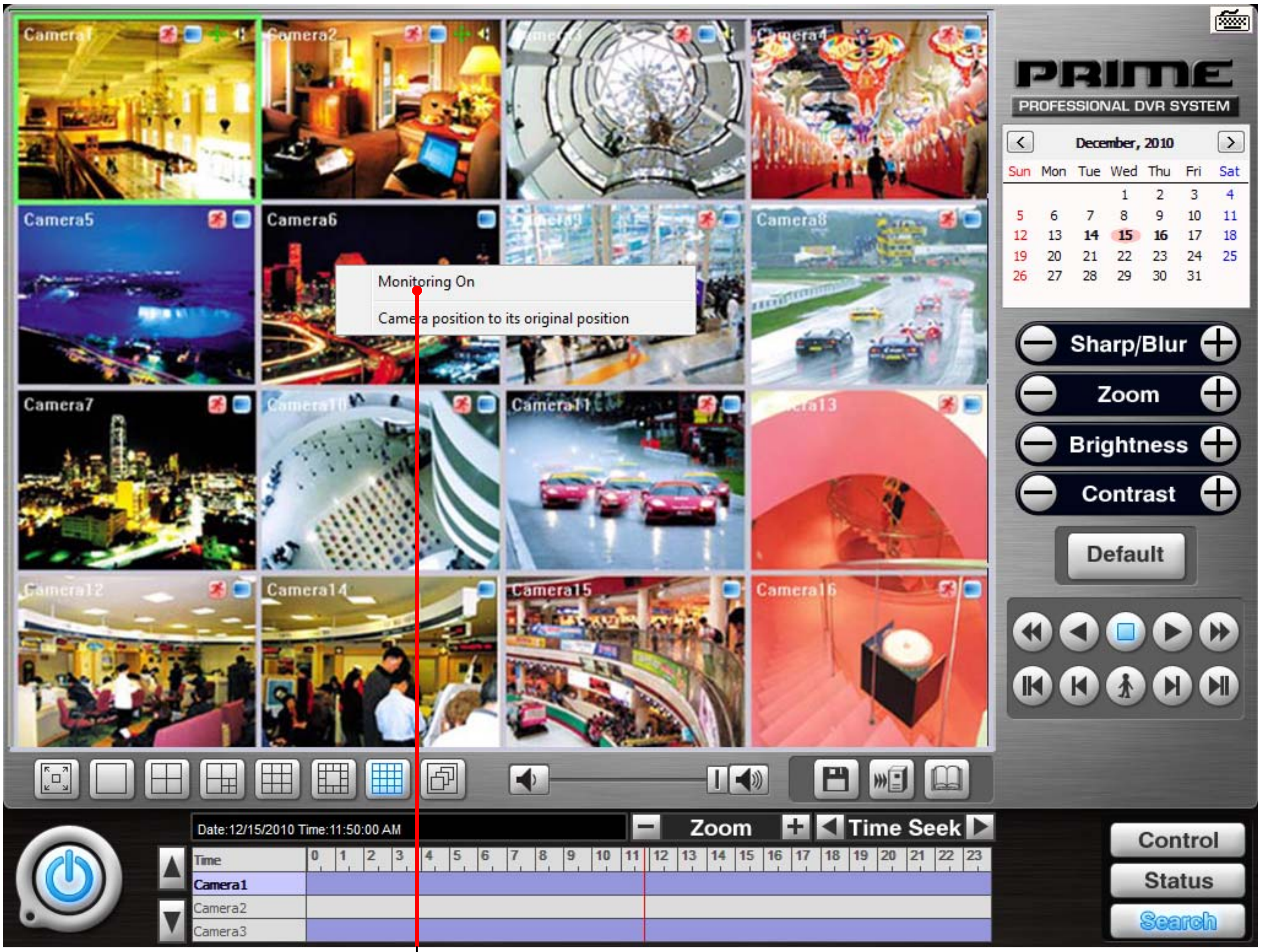
1. Counted number of (T)ransaction/ Counted number of (P)eople count

2. 

   Red Color: Rate of people count
   Green Color: Rate of Transaction
   The Pie Graph will show at a glance how many transactions have been performed, compared to the number of people counted.

(3) Monitoring & Searching

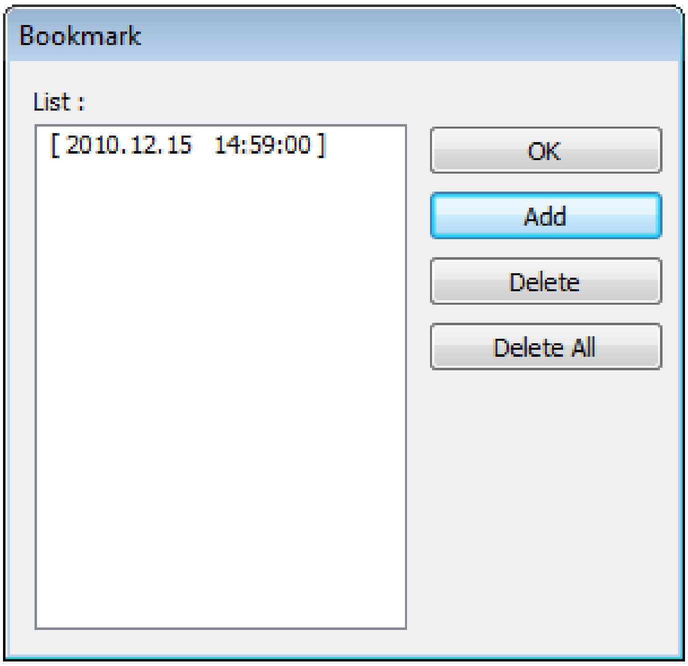
It is a feature that enables user to view live video while searching recorded data.



Click the right mouse and select “Monitoring On” to view live video. Click the right mouse again and select “Monitoring Off” to go back to “Search Mode”.

(4) Bookmark & Go To

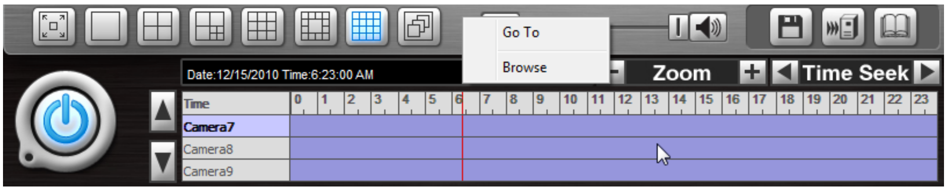
Click Bookmart Icon to open Bookmark window.



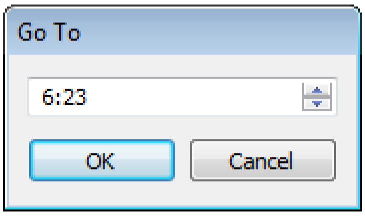
List :

[2010.12.15 14:59:00]

Right click on the time table and select “Go To” menu to go to desired time to search.



Date:12/15/2010 Time:6:23:00 AM

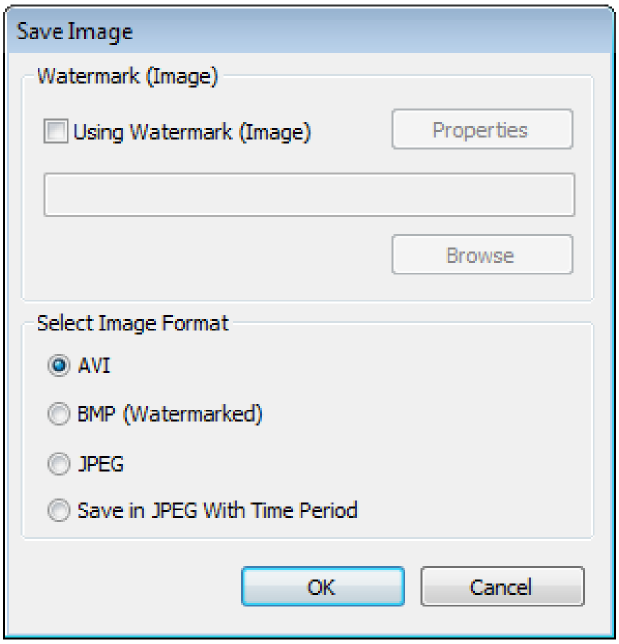


6:23

Go To:
Select desired time to search and click “OK”.

(5) Save

: Click Save icon to save data as AVI / BMP / JPEG format.



Save Image

Watermark (Image)

☐ Using Watermark (Image)

Select Image Format

● AVI

○ BMP (Watermarked)

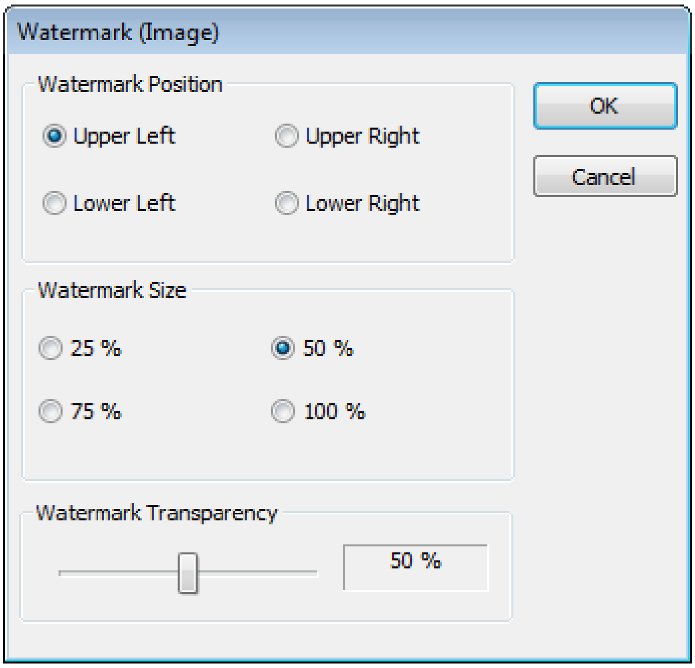
○ JPEG

○ Save in JPEG With Time Period

Watermark(Image)

Using Watermark (Image): To attach a certain logo or special picture on AVI file.

AVI: For saving motion pictures and audio
BMP: For saving images. Watermarked images can be saved.
JPEG: For saving regular still images. Quality is not as good as BMP but less HDD is used.
Save in JPEG with Time Period: For scheduled save in JPEG



Watermark (Image)

Watermark Position

● Upper Left ○ Upper Right

○ Lower Left ○ Lower Right

Watermark Size

○ 25 % ● 50 %

○ 75 % ○ 100 %

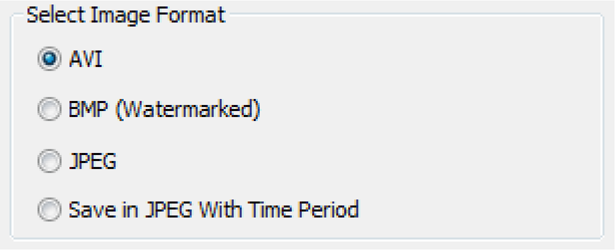
Watermark Transparency

50 %

- Watermark Setting

Select each for desirable watermark setting.

[Save in AVI Format]



Select Image Format

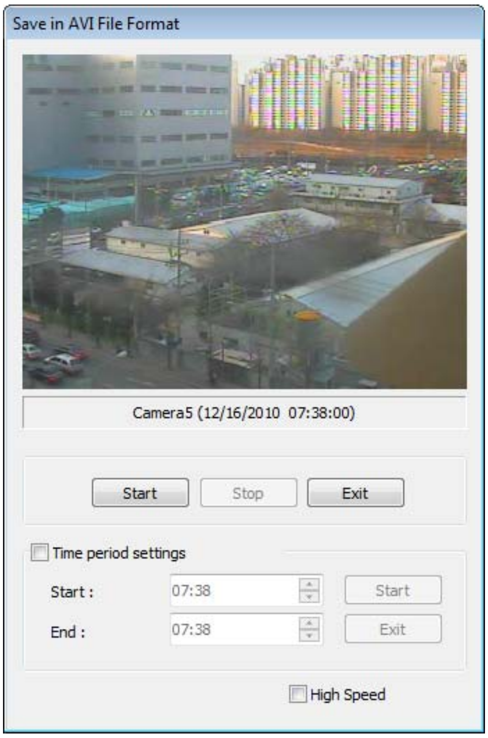
● AVI

○ BMP (Watermarked)

○ JPEG

○ Save in JPEG With Time Period

Click on “Browse” to find watermark image or logo.



☐ Time period settings

Start : 07:38

End : 07:38

☐ High Speed

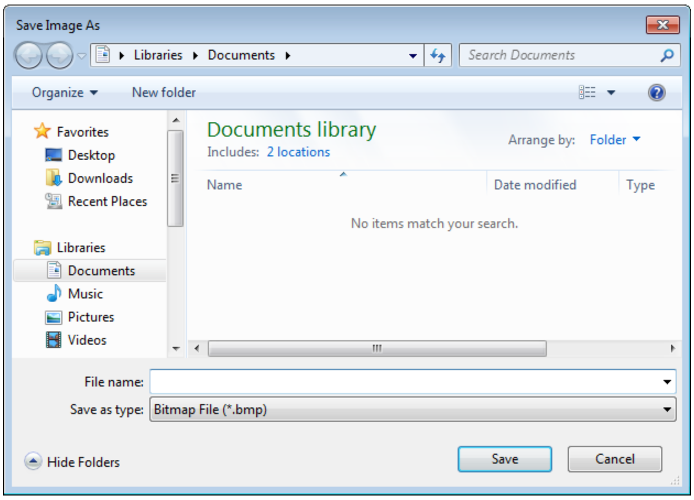
Click “Start” to start saving and “Stop” to stop saving.

Mute:
Saving video only (no audio)

High Speed:
Saving in high speed
Click time period settings and put the time period that you want to save.

[Save in BMP Format]

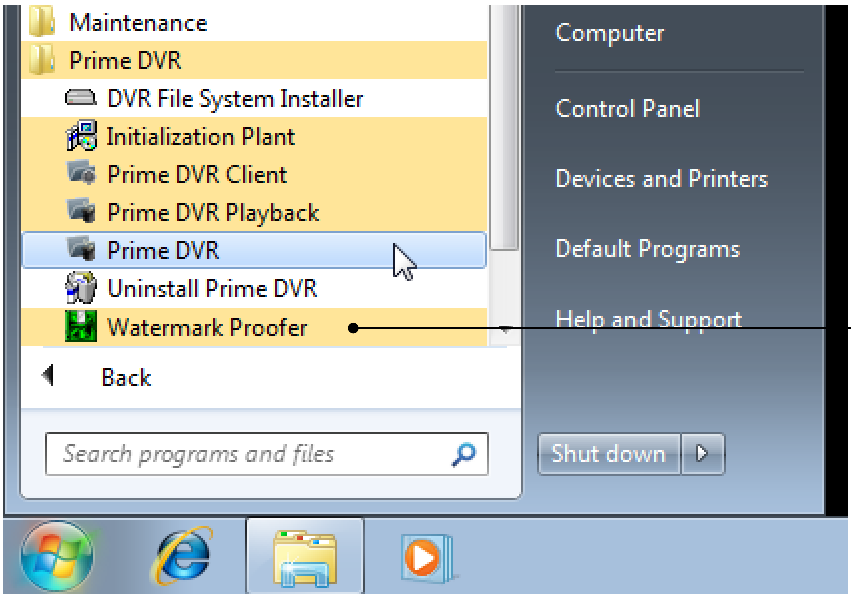
[Save in BMP Format] ⇨ Click “Start” and select “BMP” as you save images. Saved images can be checked using “Watermark Proofer”.



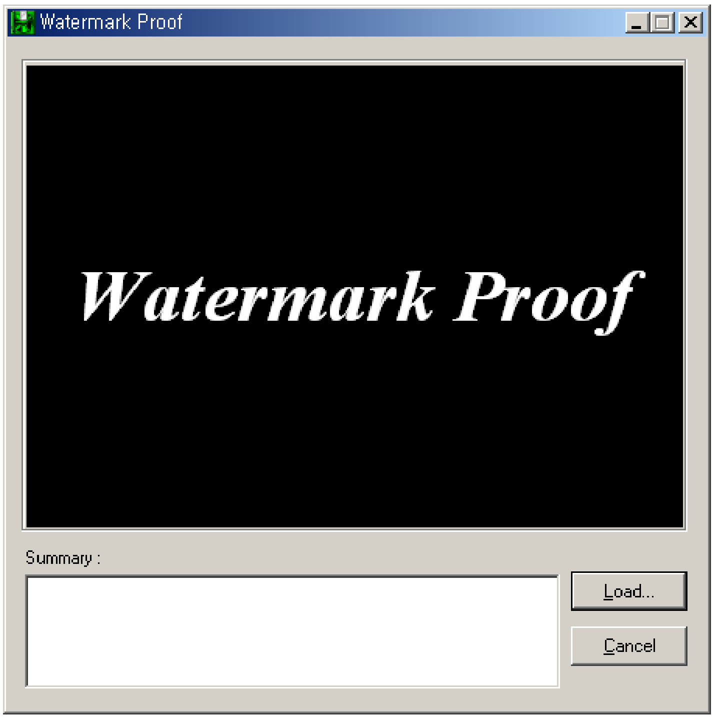
File name:

Save as type: Bitmap File (*.bmp)

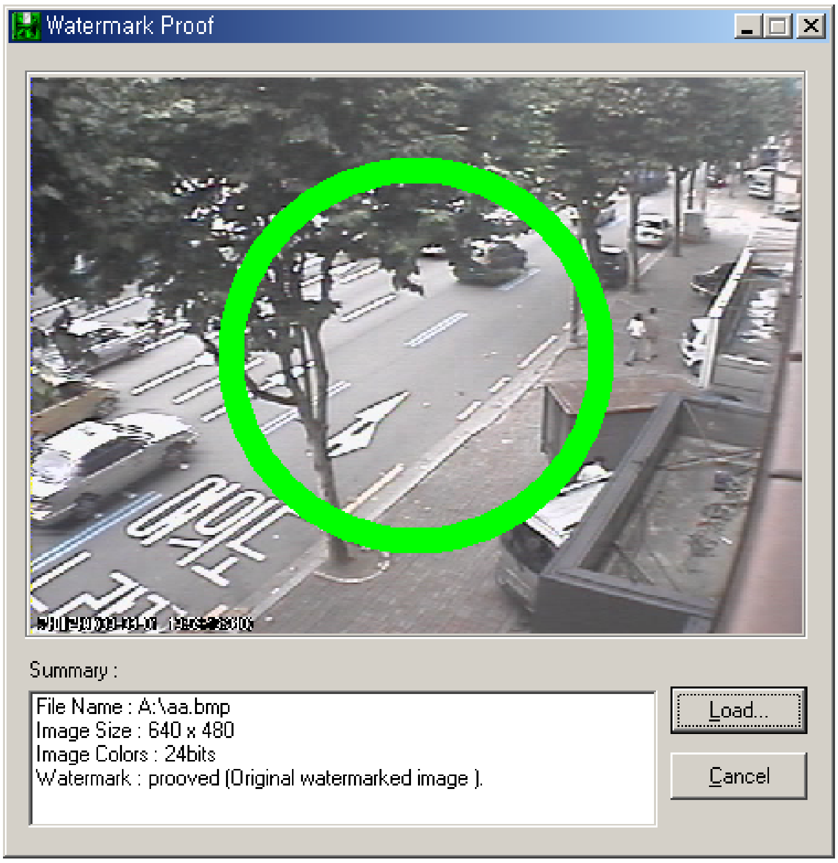
[Watermark Proofer]



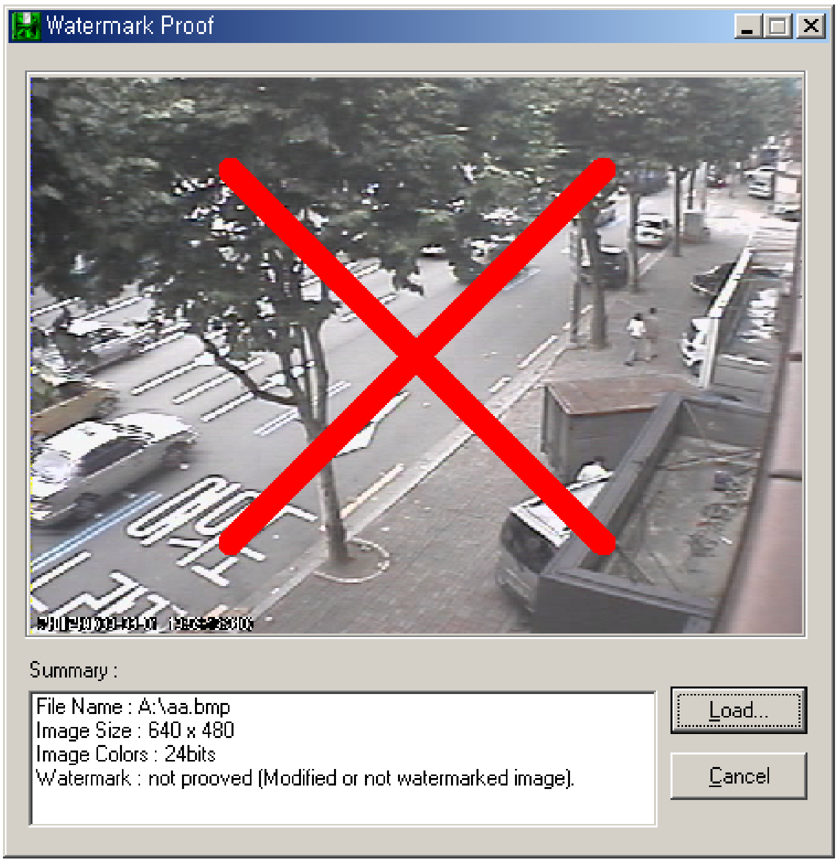
Execute “Watermark Proofer” and check if certain saved images are forged or not.



Click “Load” to browse file to check.



File Name : A:\aa.bmp
Image Size : 640 x 480
Image Colors : 24bits
Watermark : prooved (Original watermarked image).



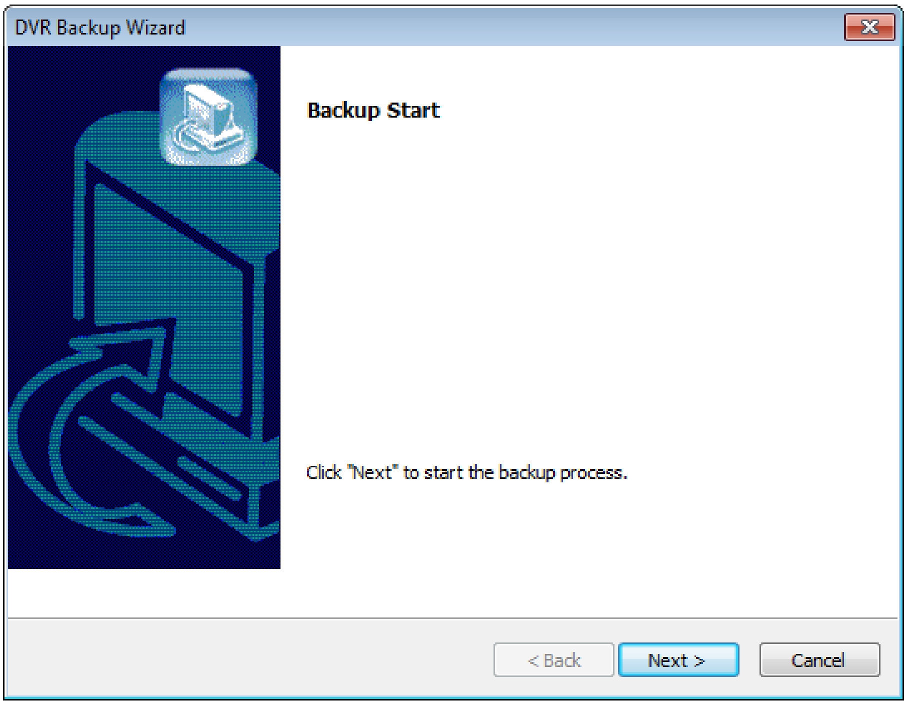
File Name : A:\aa.bmp
Image Size : 640 x 480
Image Colors : 24bits
Watermark : not prooved (Modified or not watermarked image).

[Save in JPEG Format] → Click “Start” and select “JPEG” as you save images.

[Save in JPEG with Time Period] → Select time period and select channels to be saved in JPEG.

(6) Backup

The recorded data can be copied from the hard disk to external storage devices, such as CD-R, DVD.



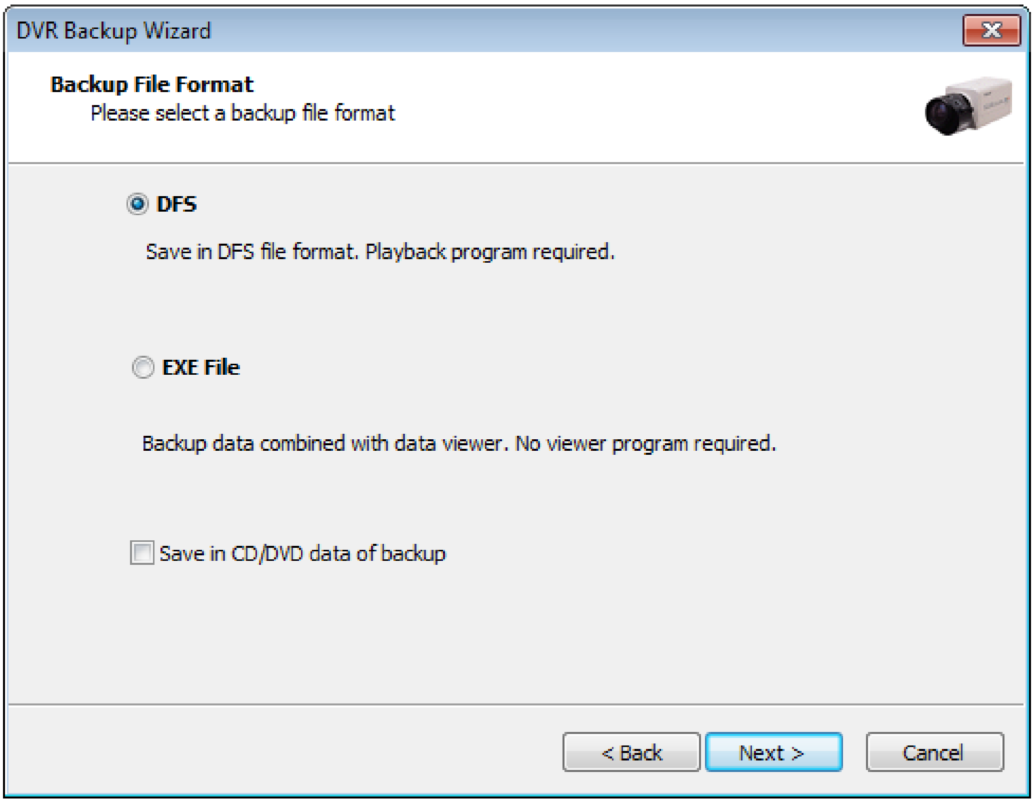
DVR Backup Wizard

Backup Start

Click "Next" to start the backup process.

Back up recorded data using various backup devices.

● DFS Backup



DVR Backup Wizard

Backup File Format

Please select a backup file format

● **DFS**

Save in DFS file format. Playback program required.

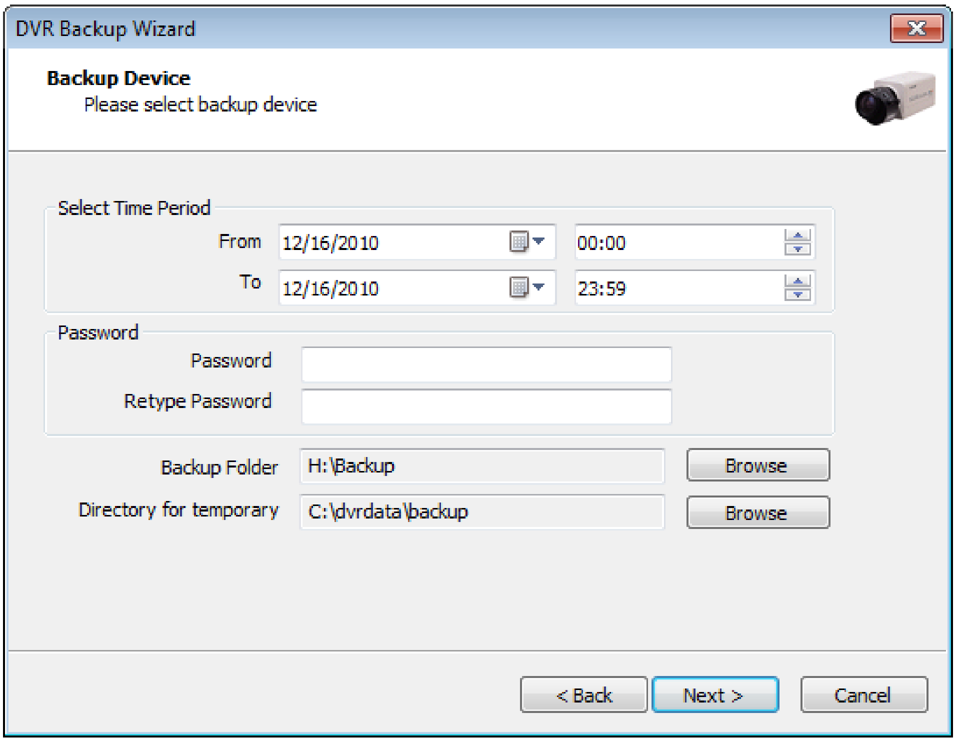
○ **EXE File**

Backup data combined with data viewer. No viewer program required.

☐ Save in CD/DVD data of backup

DFS: Save in DFS file format.

Click “Next” to continue backup process.



Backup Device
Please select backup device

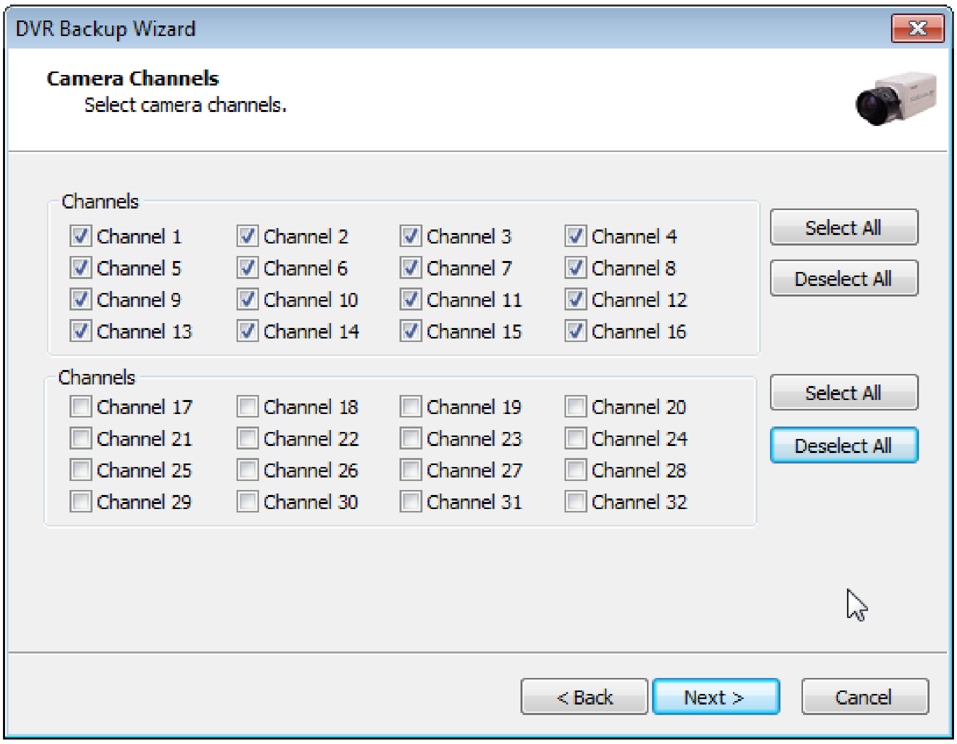
Select Time Period
From 12/16/2010 00:00
To 12/16/2010 23:59

Password
Password
Retype Password

Backup Folder H:\Backup
Directory for temporary C:\dvrdata\backup

Select Time Period : Specify time period for backup. The minimum period for backup is 1 minute.
If password is set, viewing backup data will be possible only when it is typed in.

Backup Folder: Click the “Browse” button, select a drive to back up and enter a desired folder name.

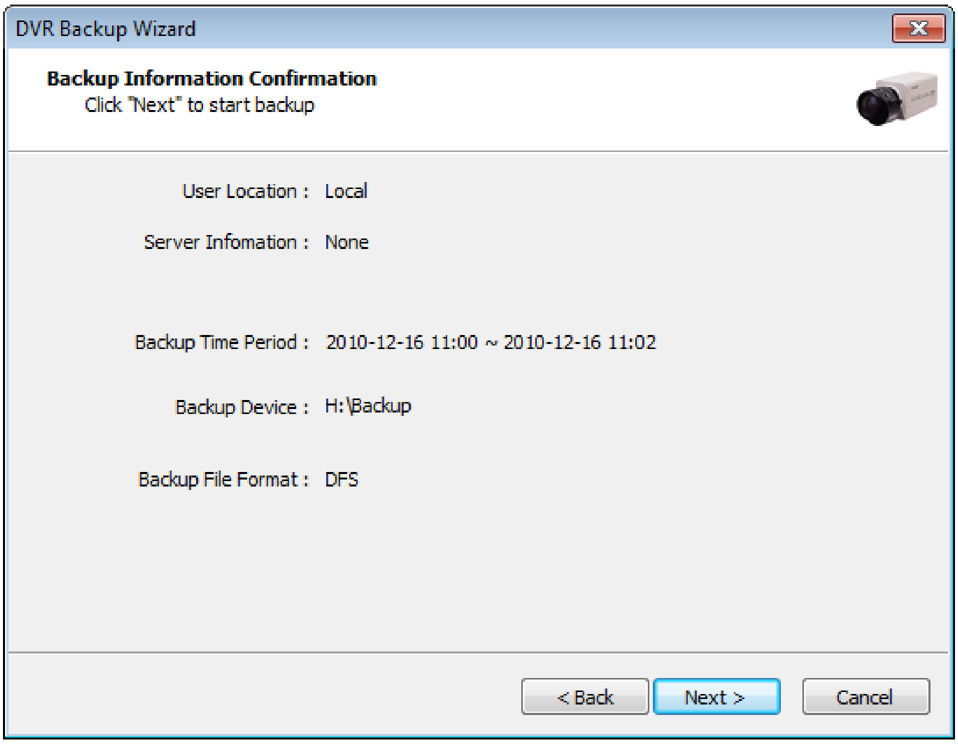


Camera Channels
Select camera channels.

Channels
☑ Channel 1 ☑ Channel 2 ☑ Channel 3 ☑ Channel 4
☑ Channel 5 ☑ Channel 6 ☑ Channel 7 ☑ Channel 8
☑ Channel 9 ☑ Channel 10 ☑ Channel 11 ☑ Channel 12
☑ Channel 13 ☑ Channel 14 ☑ Channel 15 ☑ Channel 16

Channels
☐ Channel 17 ☐ Channel 18 ☐ Channel 19 ☐ Channel 20
☐ Channel 21 ☐ Channel 22 ☐ Channel 23 ☐ Channel 24
☐ Channel 25 ☐ Channel 26 ☐ Channel 27 ☐ Channel 28
☐ Channel 29 ☐ Channel 30 ☐ Channel 31 ☐ Channel 32

Select camera channels to backup.



Backup Information Confirmation

Click "Next" to start backup

User Location : Local

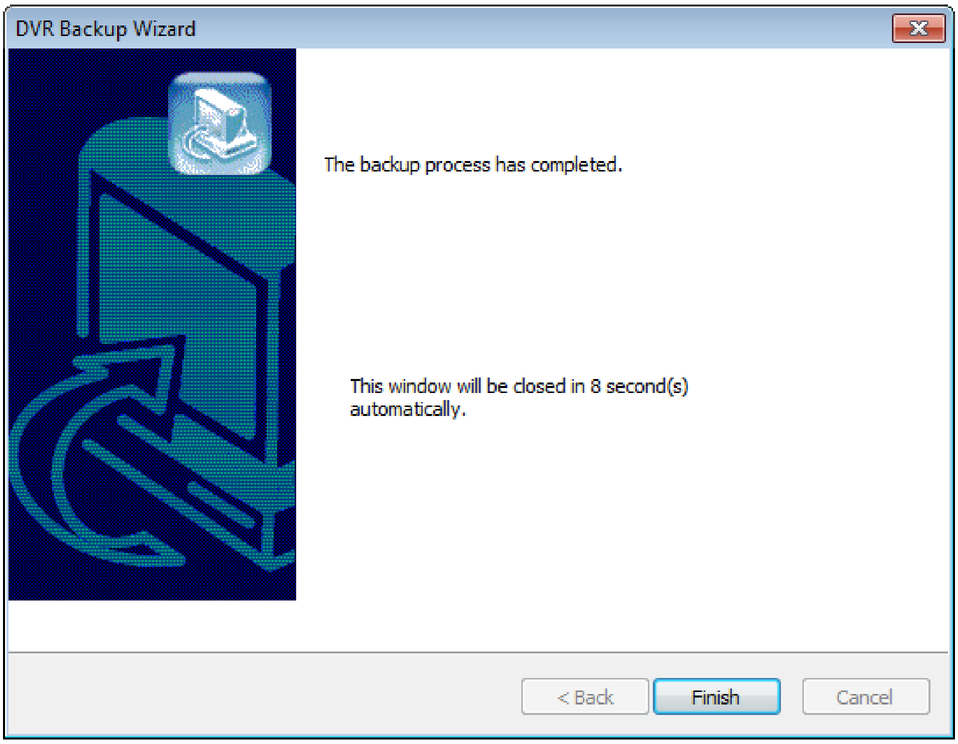
Server Infomation : None

Backup Time Period : 2010-12-16 11:00 ~ 2010-12-16 11:02

Backup Device : H:\Backup

Backup File Format : DFS

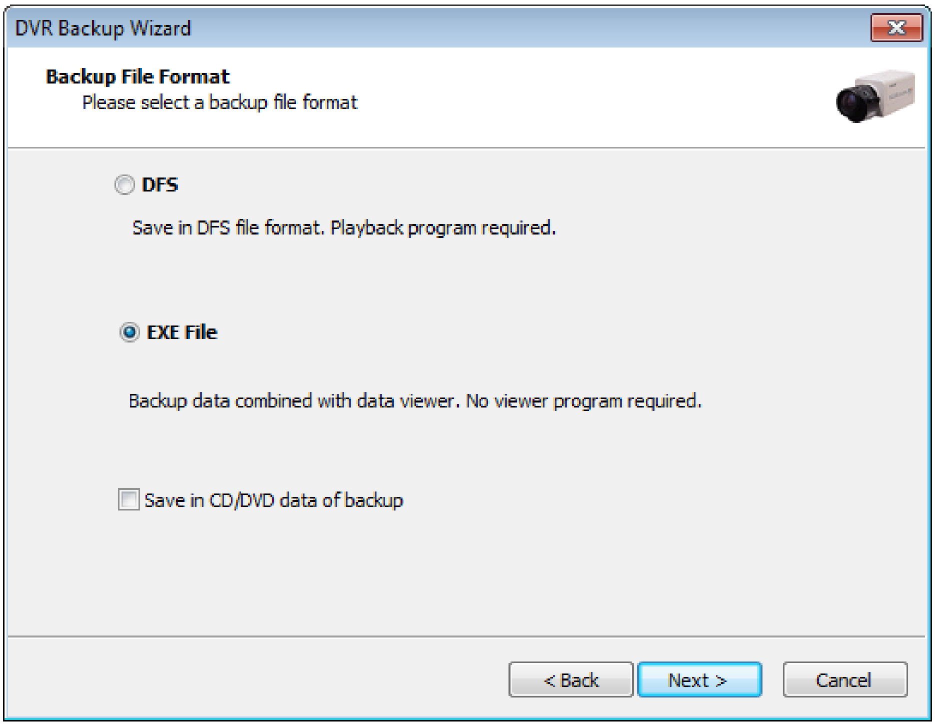
Confirm the Backup information and click “Next” button to continue.



The backup process has completed.

This window will be closed in 8 second(s) automatically.

● EXE Backup



DVR Backup Wizard

Backup File Format

Please select a backup file format

○ **DFS**

Save in DFS file format. Playback program required.

● **EXE File**

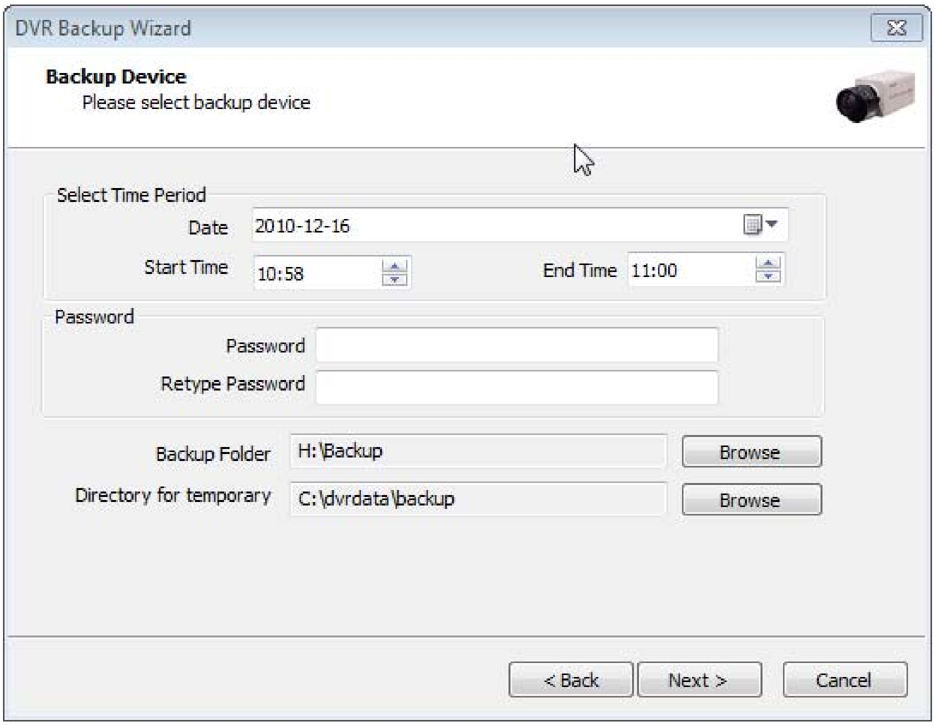
Backup data combined with data viewer. No viewer program required.

☐ Save in CD/DVD data of backup

Any recorded data can be saved as ".exe" file. No viewer program is required to see saved data.

Note: 1. file size limited up to 1 GB.

2. 1 channel backup only.



DVR Backup Wizard

Backup Device

Please select backup device

Select Time Period

Date: 2010-12-16

Start Time: 10:58

End Time: 11:00

Password

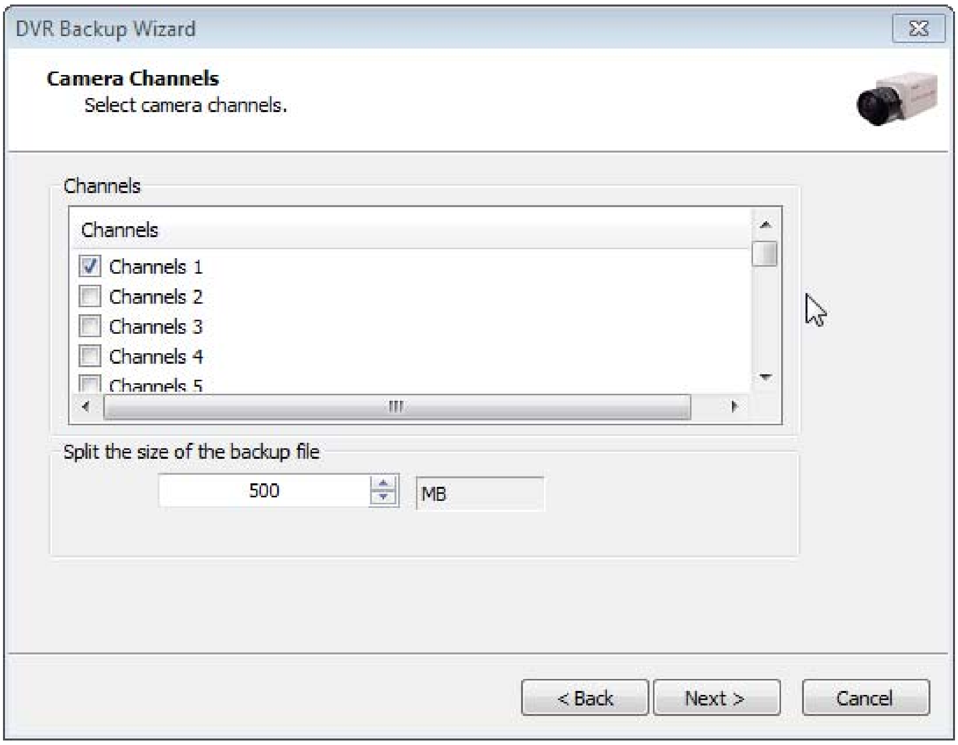
Password:

Retype Password:

Backup Folder: H:\Backup

Directory for temporary: C:\dvrdata\backup

1. Select "EXE File".
2. Specify time period, password, drive, etc.



Camera Channels
Select camera channels.

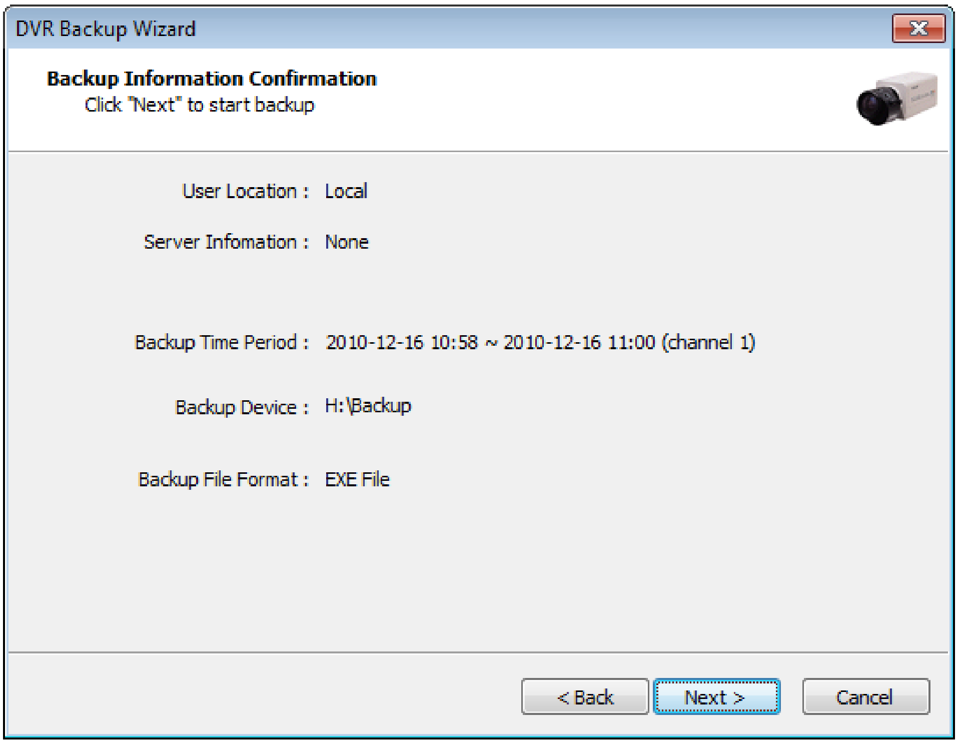
Channels

Channels
☑ Channels 1
☐ Channels 2
☐ Channels 3
☐ Channels 4
☐ Channels 5

Split the size of the backup file
500 MB

3. Select ONE channel to back up.

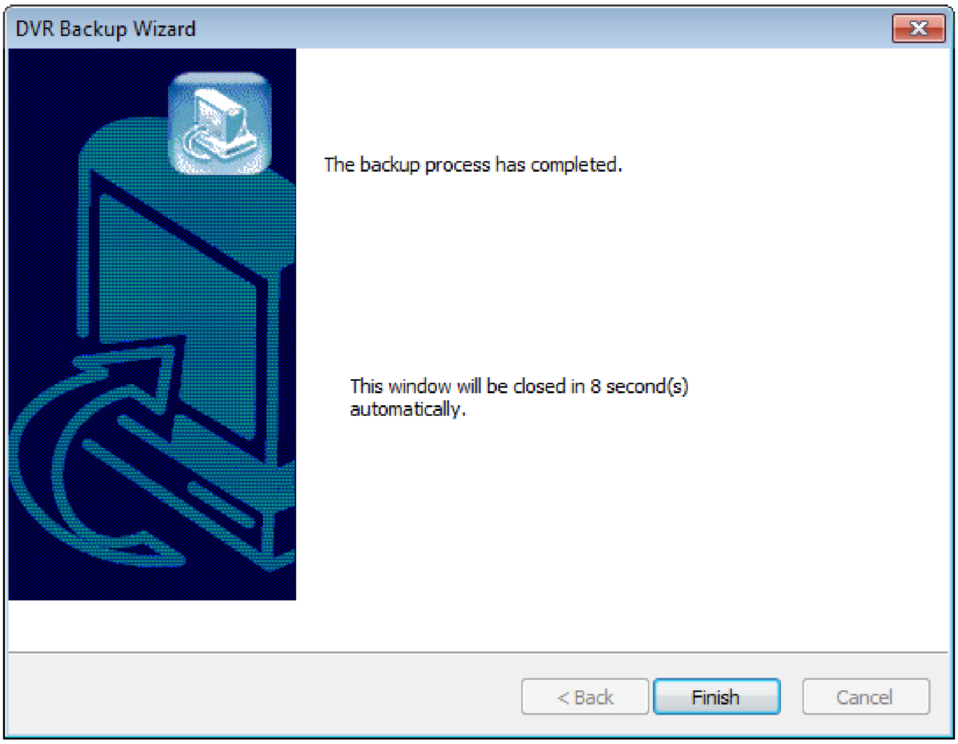
4. Specify file size up to 1GB. If it is larger than 1GB, multiple exe files will be created.



Backup Information Confirmation
Click "Next" to start backup

User Location : Local
Server Infomation : None
Backup Time Period : 2010-12-16 10:58 ~ 2010-12-16 11:00 (channel 1)
Backup Device : H:\Backup
Backup File Format : EXE File

5. Confirm the Backup information and click “Next” button to continue.

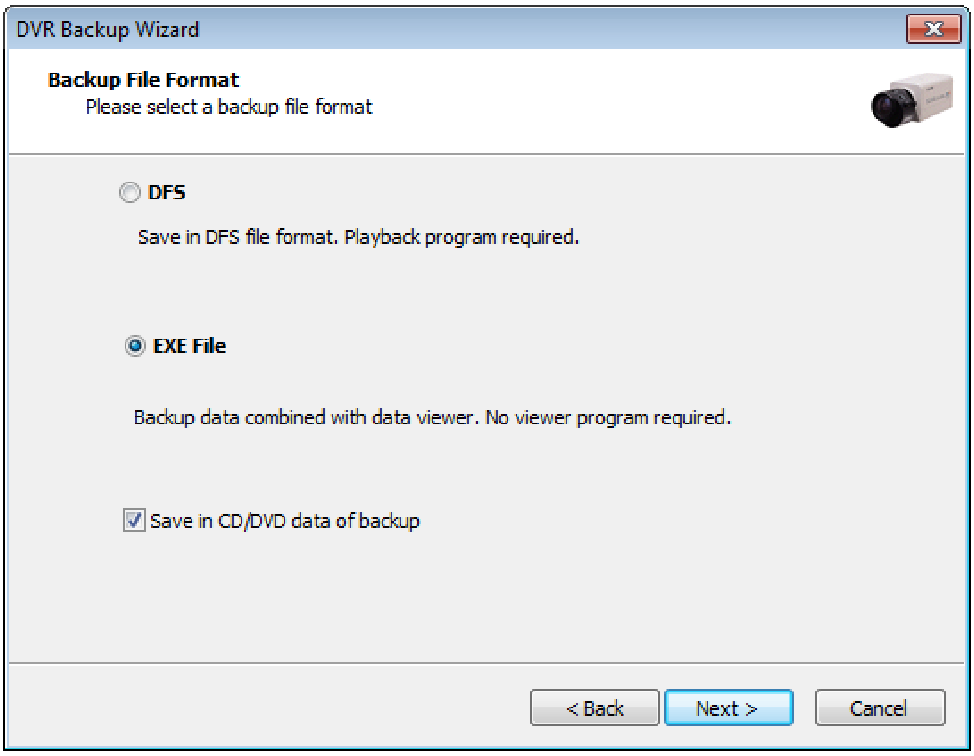


The backup process has completed.

This window will be closed in 8 second(s) automatically.

6. Double-click the exe file created to see data.

● EXE Backup with CD Recording



DVR Backup Wizard

Backup File Format

Please select a backup file format

○ **DFS**

Save in DFS file format. Playback program required.

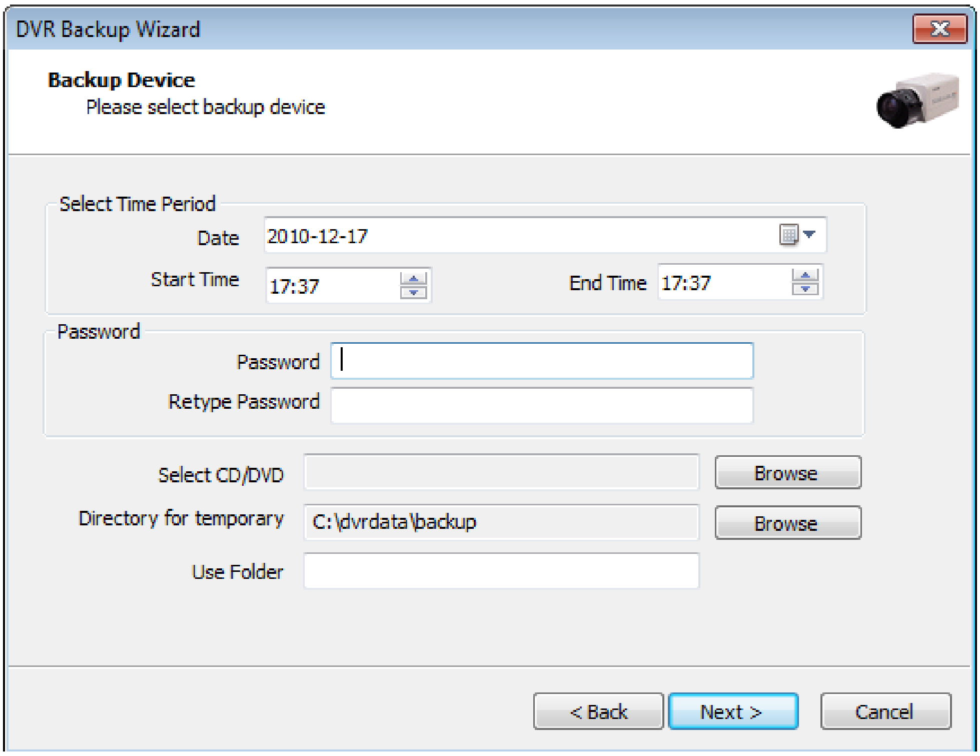
● **EXE File**

Backup data combined with data viewer. No viewer program required.

☑ Save in CD/DVD data of backup

You can back up data directly in a CD without exiting the DVR Program.

1. Tick the “Save in CD data of backup” box and click “Next”.



DVR Backup Wizard

Backup Device

Please select backup device

Select Time Period

Date: 2010-12-17

Start Time: 17:37

End Time: 17:37

Password

Password:

Retype Password:

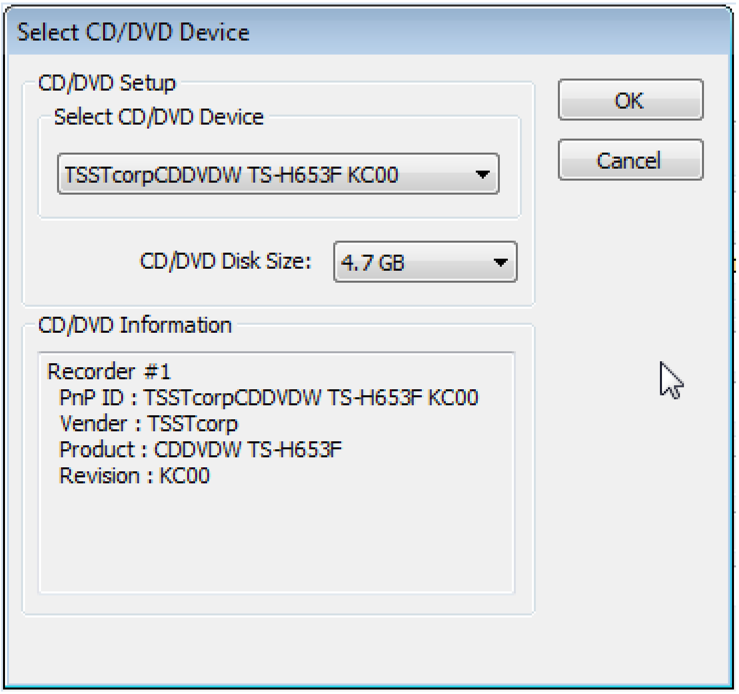
Select CD/DVD:

Directory for temporary: C:\dvrdata\backup

Use Folder:

2. Select Time Period : Specify time period and password.
3. Select CD/DVD drive.
4. Create folder name if it should be used and click “Next”.

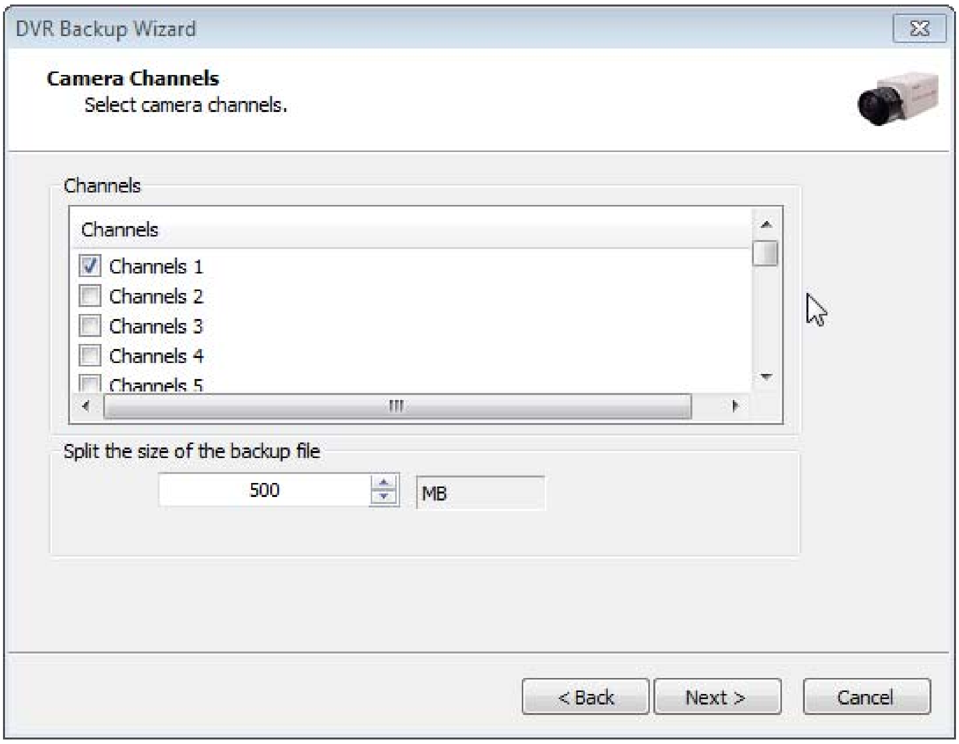
5. CD information will be shown as below.



Select CD/DVD Device: TSSTcorpCDDVDW TS-H653F KC00

CD/DVD Disk Size: 4.7 GB

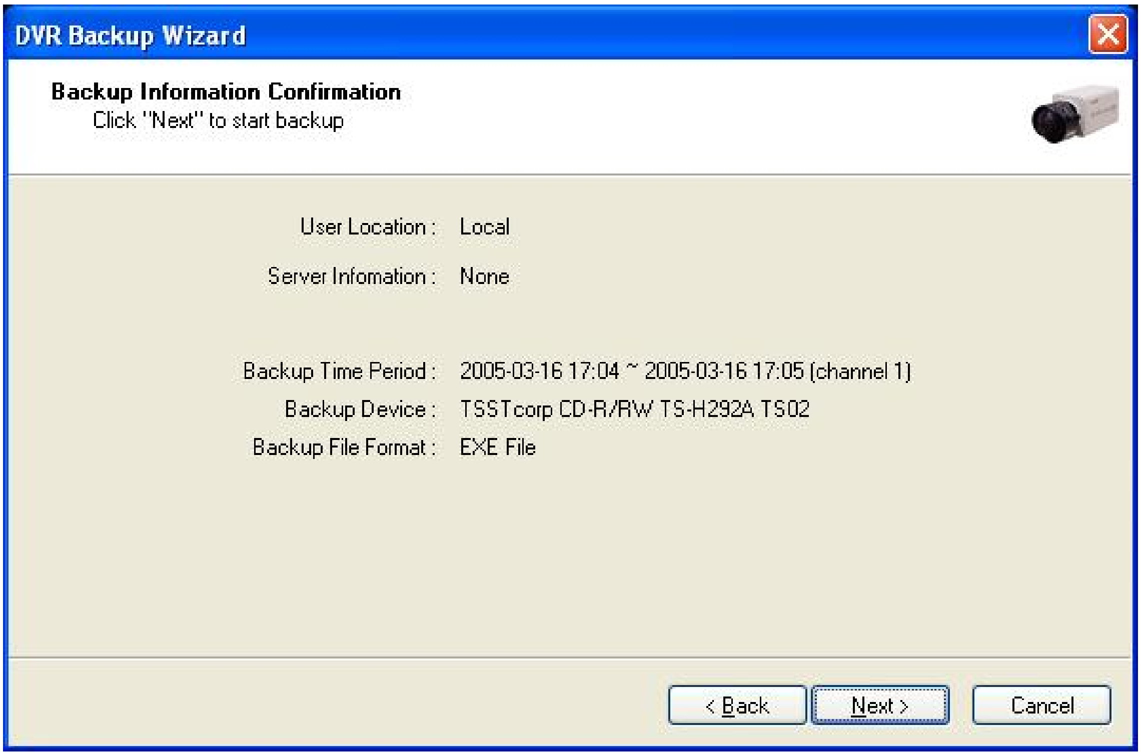
Recorder #1
PnP ID : TSSTcorpCDDVDW TS-H653F KC00
Vender : TSSTcorp
Product : CDDVDW TS-H653F
Revision : KC00



☑ Channels 1
☐ Channels 2
☐ Channels 3
☐ Channels 4
☐ Channels 5

Split the size of the backup file: 500 MB

6. Select 1 channel to backup.
7. Identify the maximum file size indicated. An attempt to back up more than the size indicated will result in a failure.

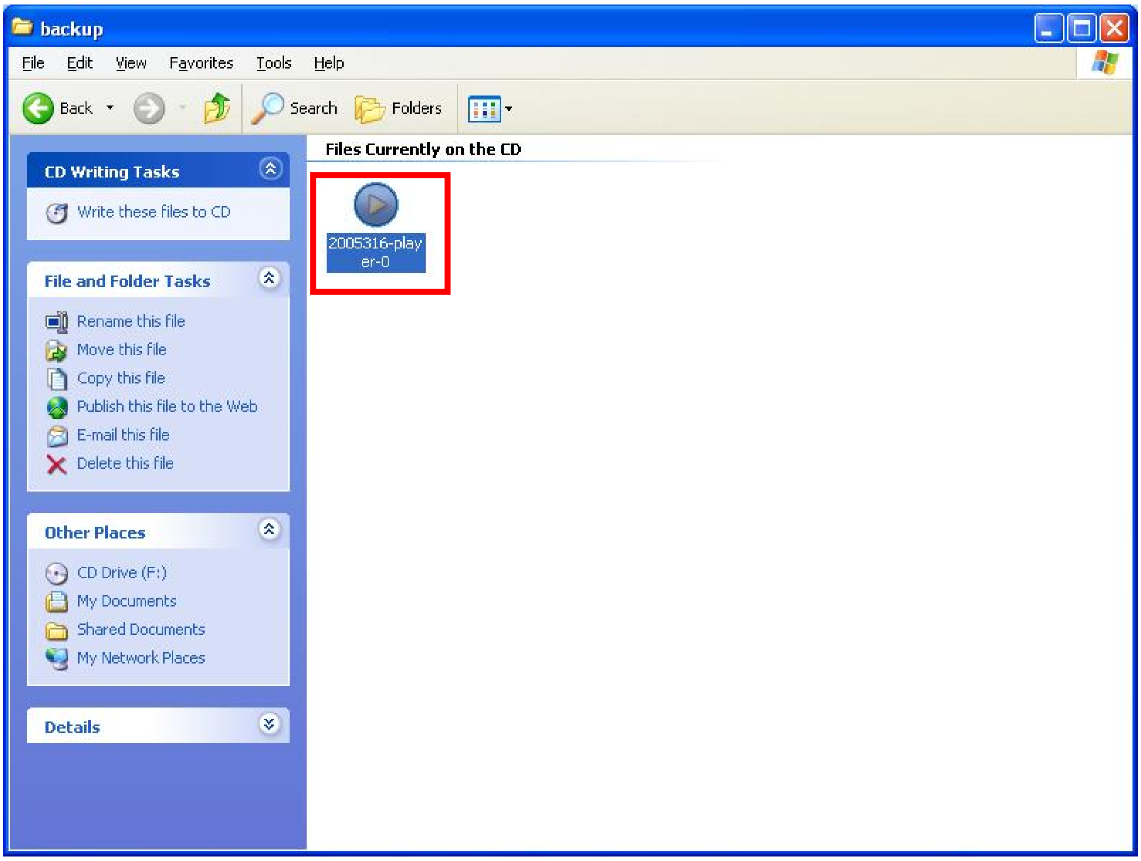


Backup Information Confirmation
Click "Next" to start backup

User Location : Local
Server Infomation : None

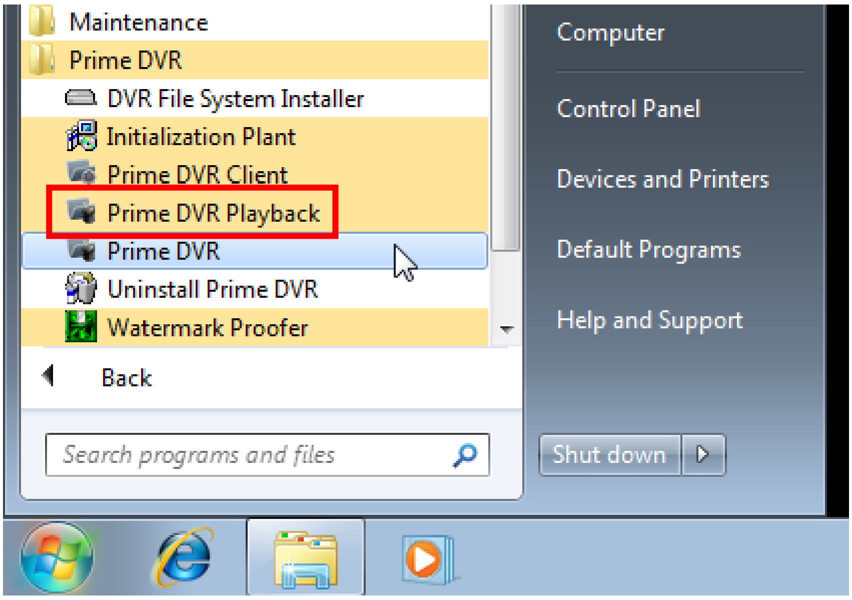
Backup Time Period : 2005-03-16 17:04 ~ 2005-03-16 17:05 (channel 1)
Backup Device : TSSTcorp CD-R/RW TS-H292A TS02
Backup File Format : EXE File

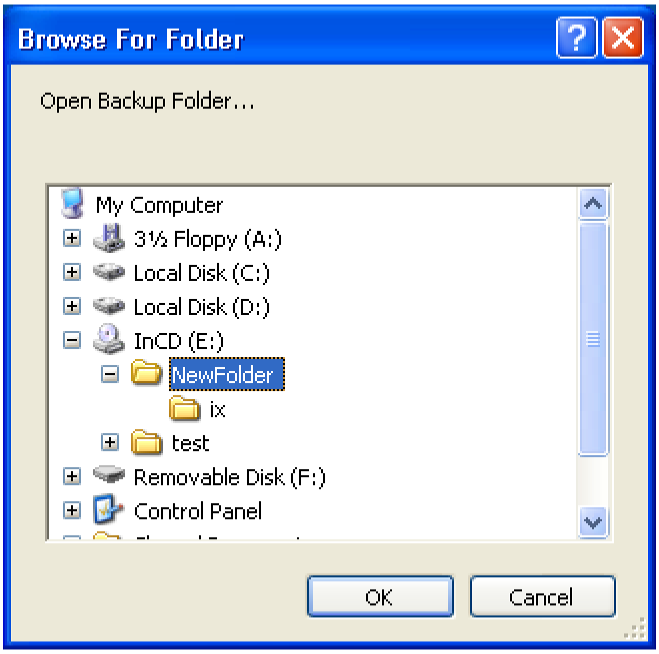
8. After completing backup, find the files created in the CD.



[Playback]

1. Click the “Start” button and run the “Prime DVR Playback”.
2. Select a folder (subfolder) to see saved data.





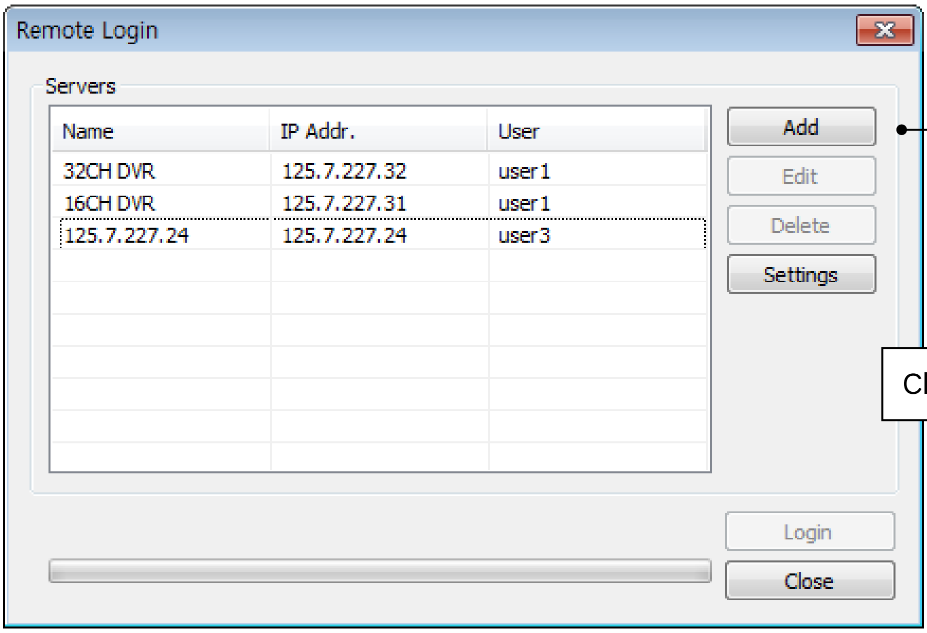
Open Backup Folder…

CHAPTER 6
Remote Monitoring System (Client)

1. Remote Client Software

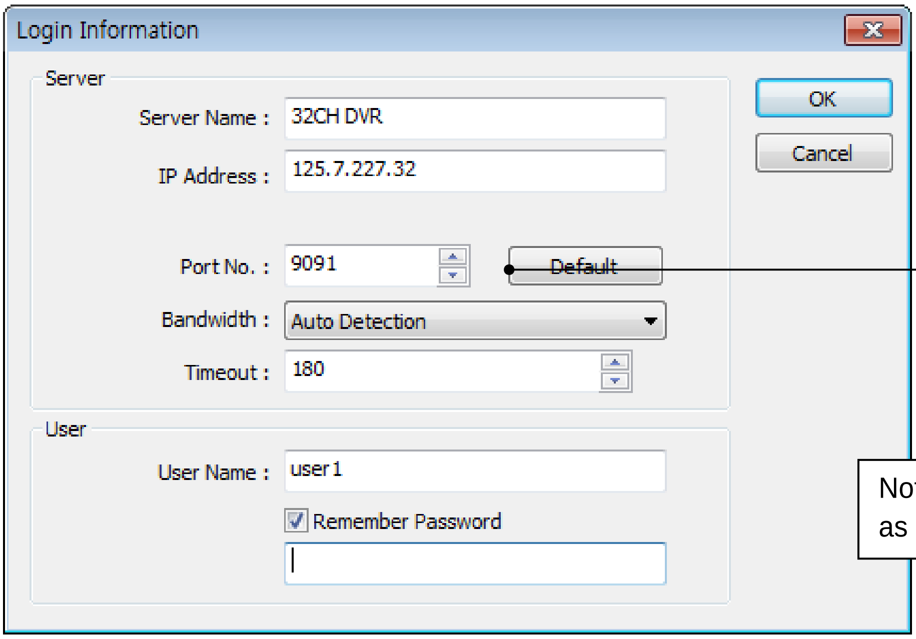
(1) Software Execution

Double-click on the “Prime DVR Client” icon on the desktop to execute Remote Monitoring System (Client).



Name	IP Addr.	User
32CH DVR	125.7.227.32	user1
16CH DVR	125.7.227.31	user1
125.7.227.24	125.7.227.24	user3

Click “Add” to register DVR servers.



Server Name : 32CH DVR

IP Address : 125.7.227.32

Port No. : 9091

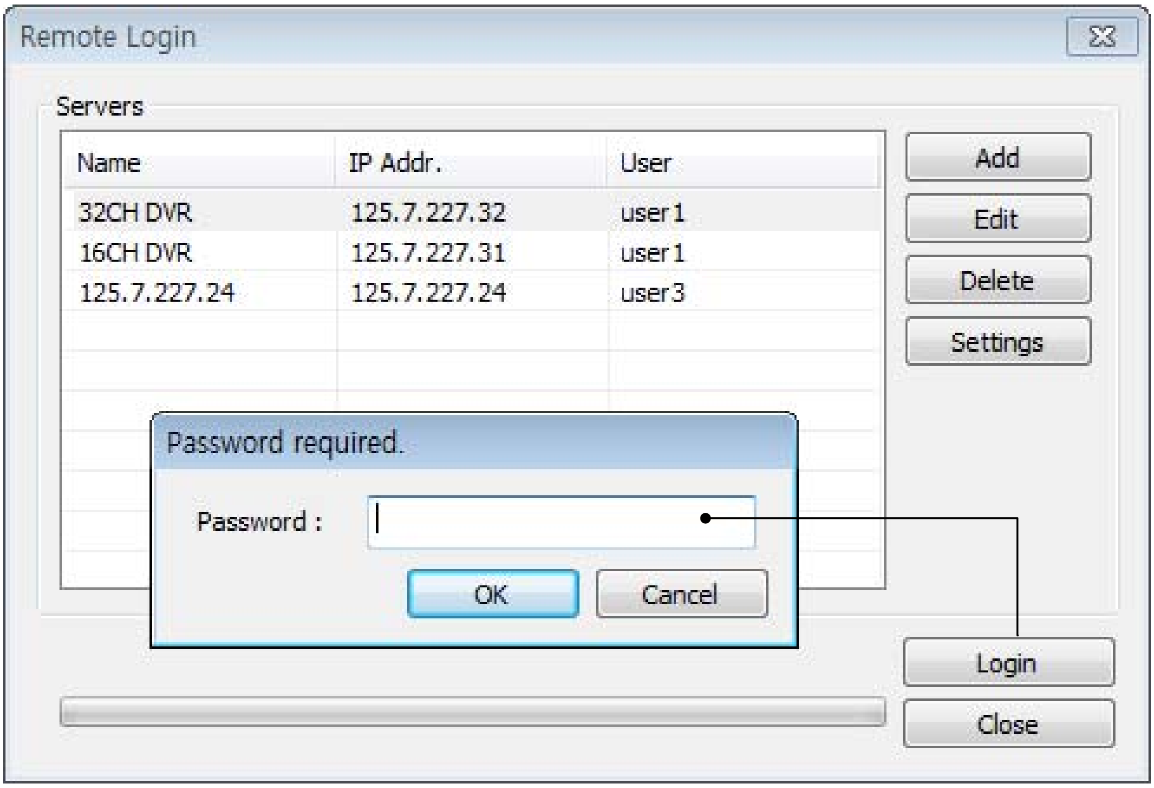
Bandwidth : Auto Detection

Timeout : 180

User Name : user1

☑ Remember Password

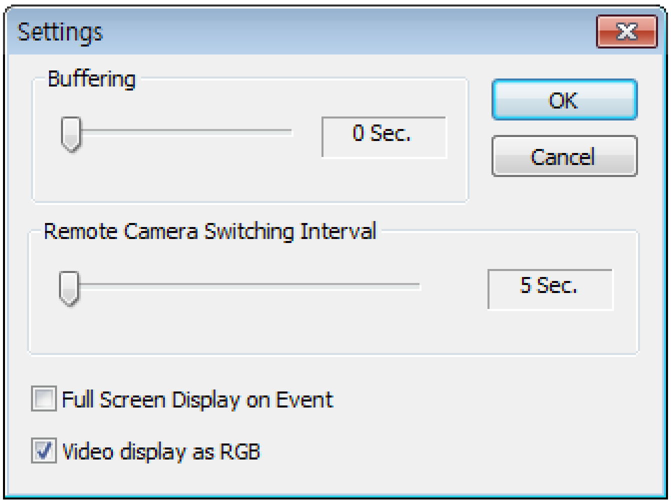
Note: Make sure to put the same Port No. as DVR server.



Name	IP Addr.	User
32CH DVR	125.7.227.32	user1
16CH DVR	125.7.227.31	user1
125.7.227.24	125.7.227.24	user3

Password :

There can be more than one DVR server registered.
Select one from “Servers”, click on “Login” and type in password to log in.
Edit: Login info. changes can be made here.
Delete: Registered servers can be deleted with one click.



Buffering: 0 Sec.

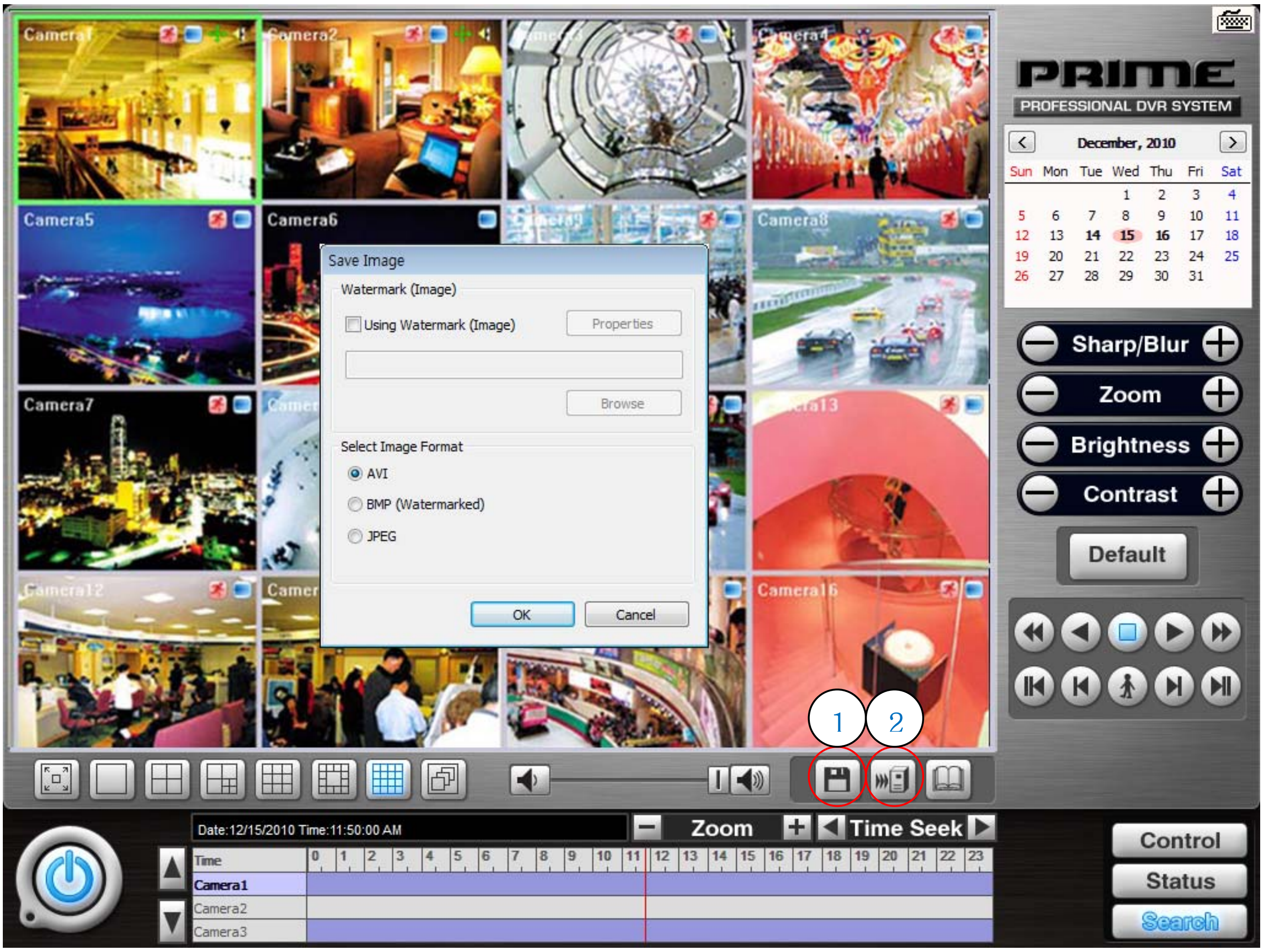
Remote Camera Switching Interval: 5 Sec.

☐ Full Screen Display on Event

☑ Video display as RGB

Full Screen Display on Event: If checked, full screen will be displayed on events.
Video display as RGB: if checked, video display will be shown as RGB type.
This function improves client display compatibility.

(2) Remote Save and Backup



Save Image

Watermark (Image)

☐ Using Watermark (Image)

Select Image Format

● AVI

○ BMP (Watermarked)

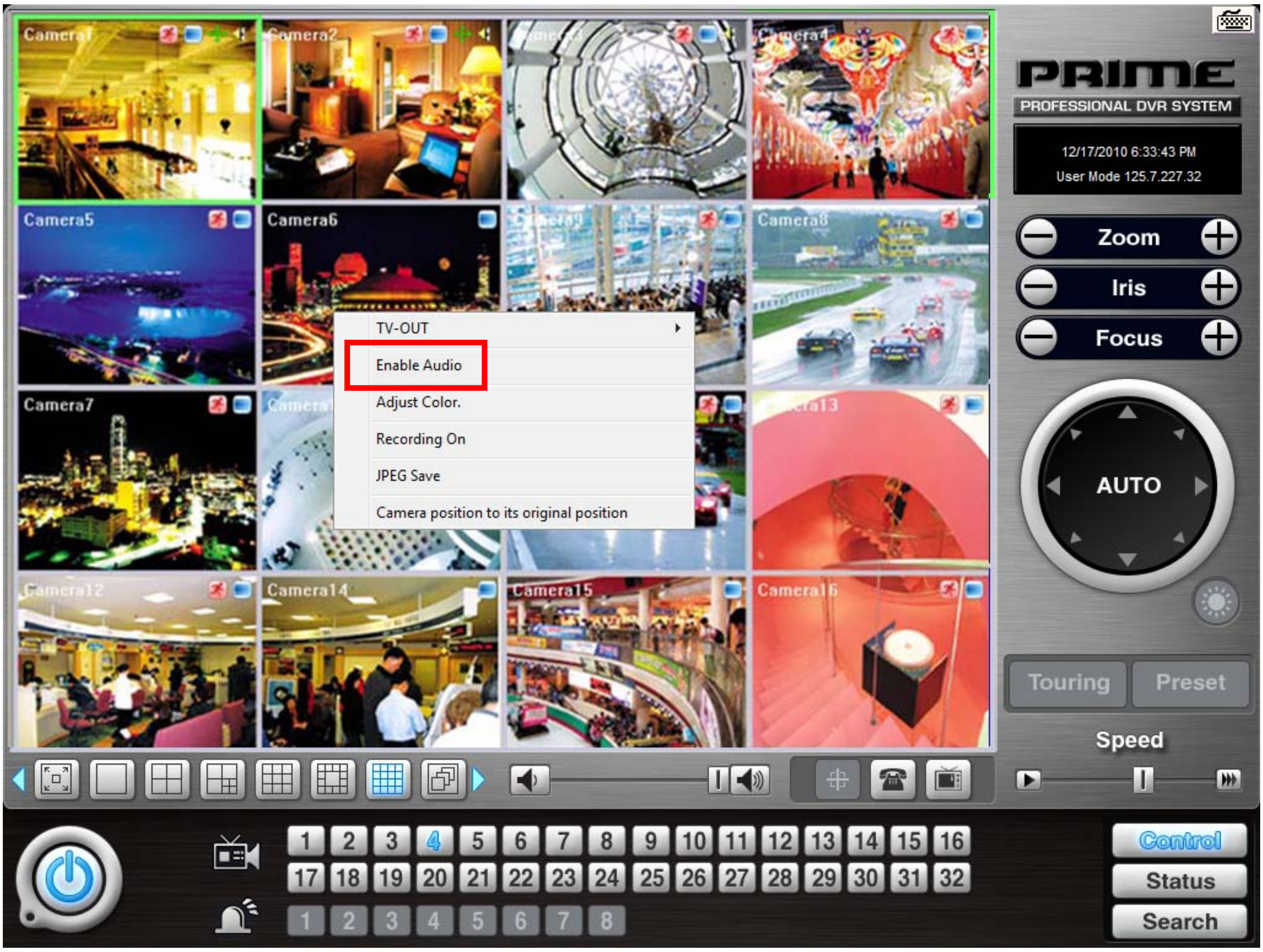
○ JPEG

Date:12/15/2010 Time:11:50:00 AM

1. Click “Save” button to save image as AVI, BMP and JPEG remotely.

2. Click “Backup” button to remote backup
   The same procedure is used as “DFS / EXE Backup”.

(3) Real Time Audio

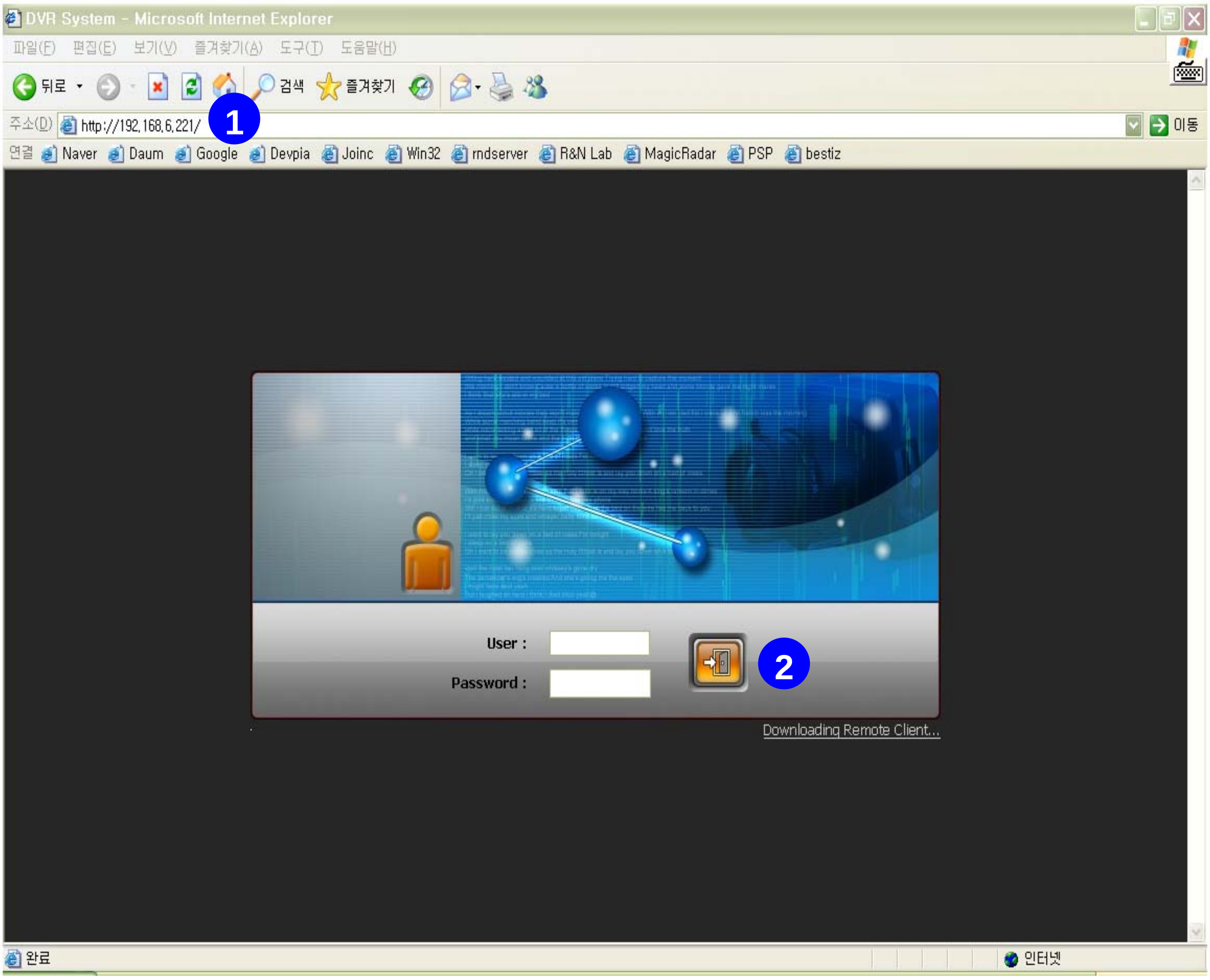


Click the right mouse and select “Enable Audio” to hear real time audio.

Note: Changing “Setup” remotely can be done if remote user is “Admin” or “Admin Mode”.

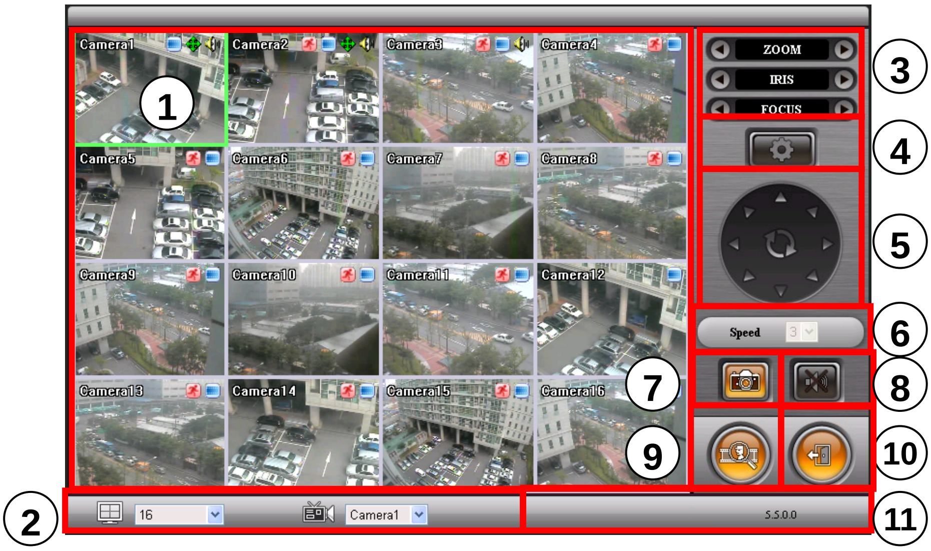
2. Web Viewer

(1) Software Execution



1. On the Internet explorer, type in the IP address of DVR server.
    - Install ActiveX control to continue.
2. Input User ID and password and then click login button to continue.

(2) Live Display



1, Live View

2. Screen splits and channel selection

3. Control Zoom, Iris, Focus

4. Advanced: Controlling preset, tour and E-map only for authorized users.

5. PTZ control : Only users with proper authority to control PTZ remotely.

6. Speed: PTZ speed control

7. To save live image to JPEG

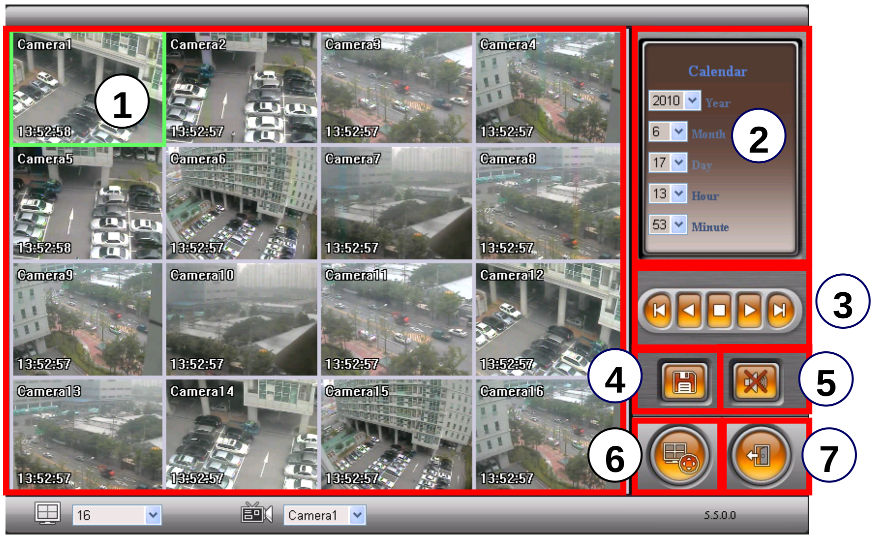
8. To hear audio of a selected channel applied only for authorized user remotely

9. Mode change between Live and Search

10. Log In/Out or EXIT

11. Display version information.

(3) Playback



Calendar
2010 Year
6 Month
17 Day
13 Hour
53 Minute

16
Camera1

1, Searched Image

2. Date and time selection from recording data

3. Play back(Fast Forward, Backward play, Stop, Play, Fast Forward)

4. Save: AVI, JPEG, BMP

5. Audio

6. To change Tab to CONTROL

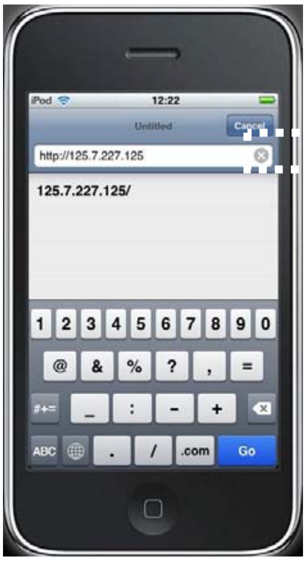
7. Log out and go back to LOG IN page

3. Smartphone Access

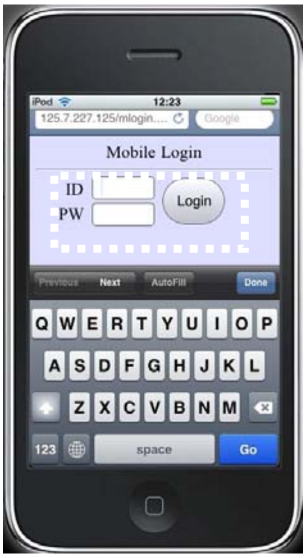
(1) Real Time Monitoring

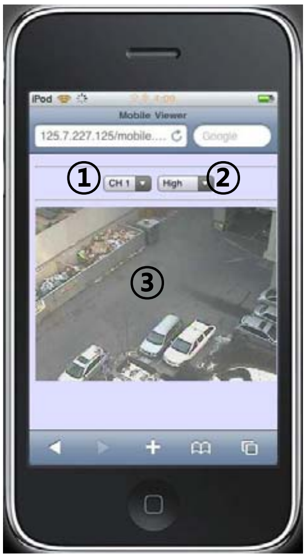
If you can use Wi-Fi environments, you can view the real-time monitoring video from DVR with smartphone (iPhone, Blackberry, Symbian and Android)

① Run web browser at smartphone, and enter DVR IP address.



② Enter ID and password, and click “login” button the real-time monitoring screen will be shown.



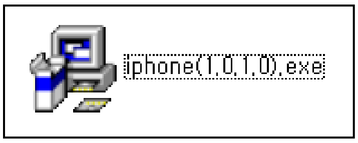


③ Real-time monitoring screen
1. Camera selection (CH1~16)
2. Video quality selection (Norma, High)
3. Video screen

Notice!: Prime DVR 5.5.4.0 version support individual Smartphone Application.
For detailed information, please refer to “i-Smart Viewer User’s Guide”

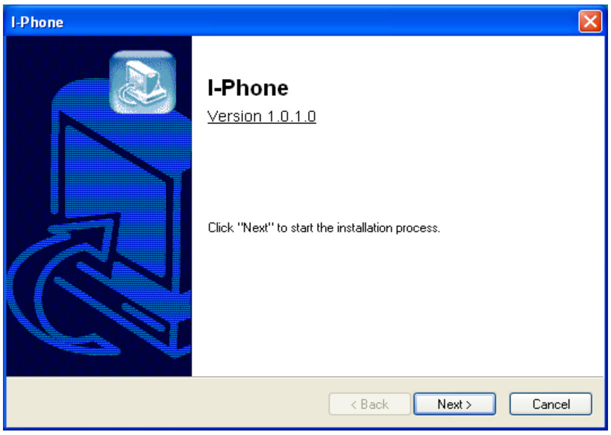
Appendix
Two-way Audio Communication

1. Installation



iphone(1.0.1.0).exe

Any system used for “Two-way Audio Communication” must have static IP and “iphone(1.0.1.0).exe” must be installed.
For I-phone installation, double-click on “iphone(1.0.1.0).exe”.

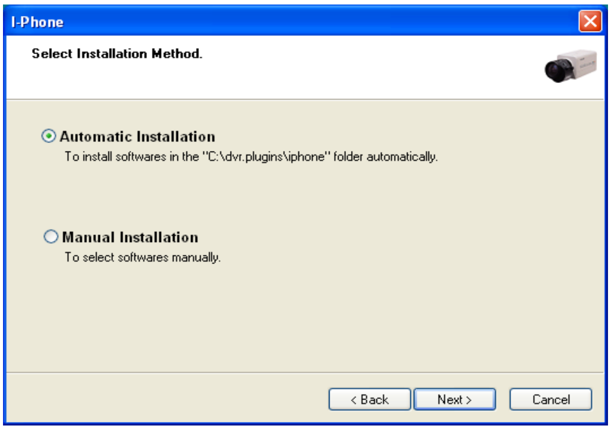


I-Phone

Version 1.0.1.0

Click "Next" to start the installation process.

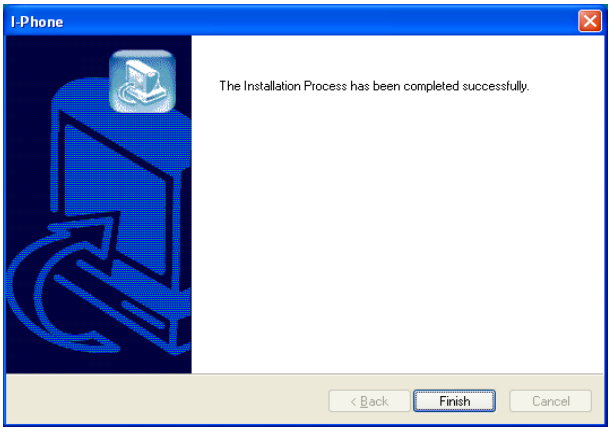
Click “Next” to start installation process
and select “Automatic Installation”.



Select Installation Method.

● **Automatic Installation**
To install softwares in the "C:\dvr.plugins\iphone" folder automatically.

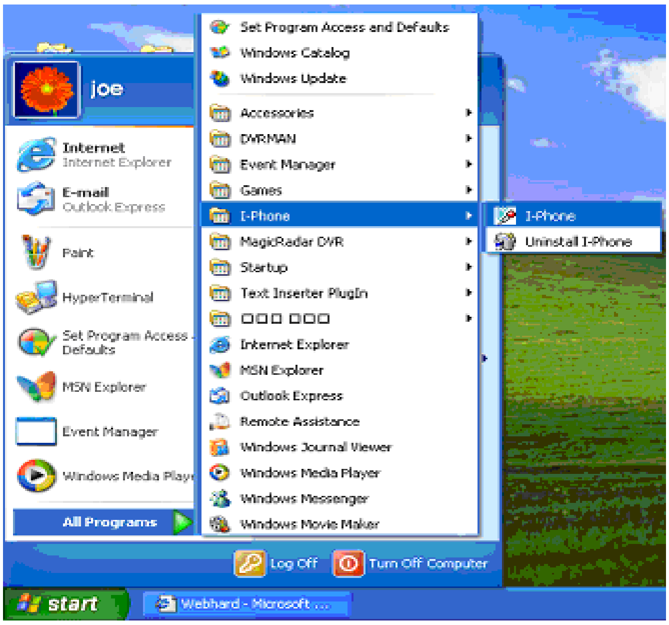
○ **Manual Installation**
To select softwares manually.



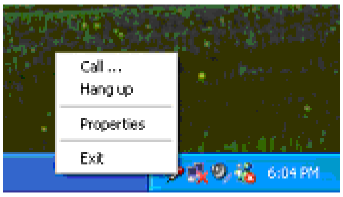
The Installation Process has been completed successfully.

Click “Finish” to complete the process.

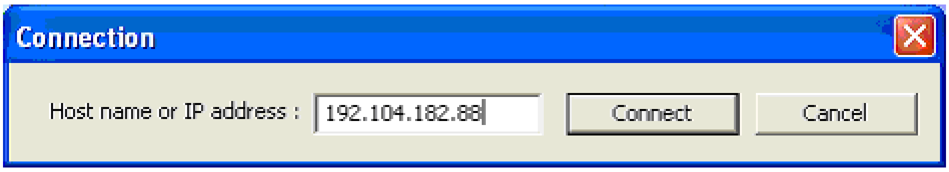
2. Execution



Go to “Start”, “All Programs”, find “I-phone” and select it for execution.

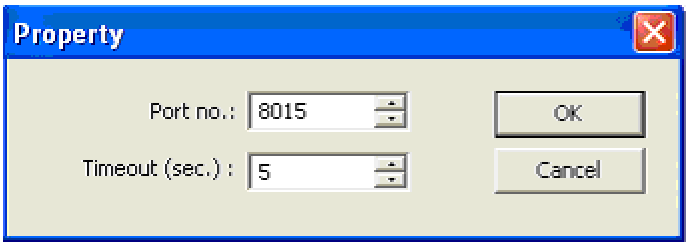


Find the I-phone icon at the right bottom and click it for the next step.



Host name or IP address : 192.104.182.88

Select “Call” for Two-Way Communication”, type in IP address and click “Connect”.

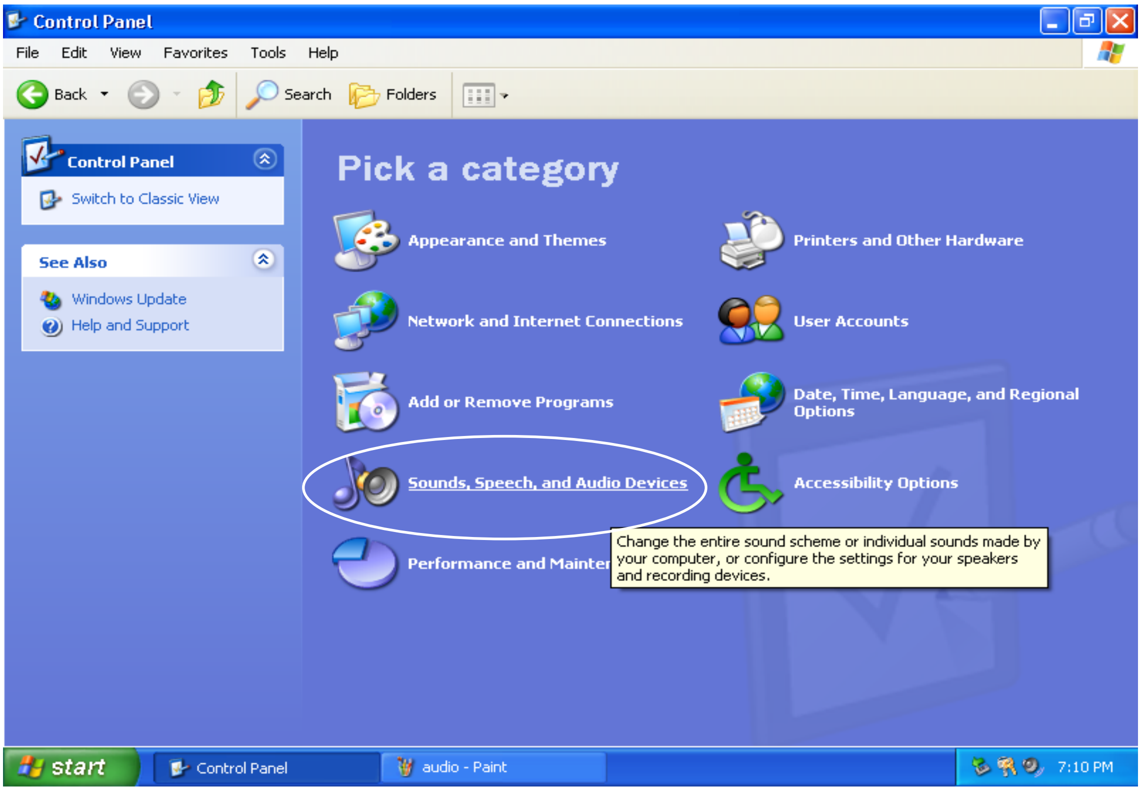


Port no.: 8015

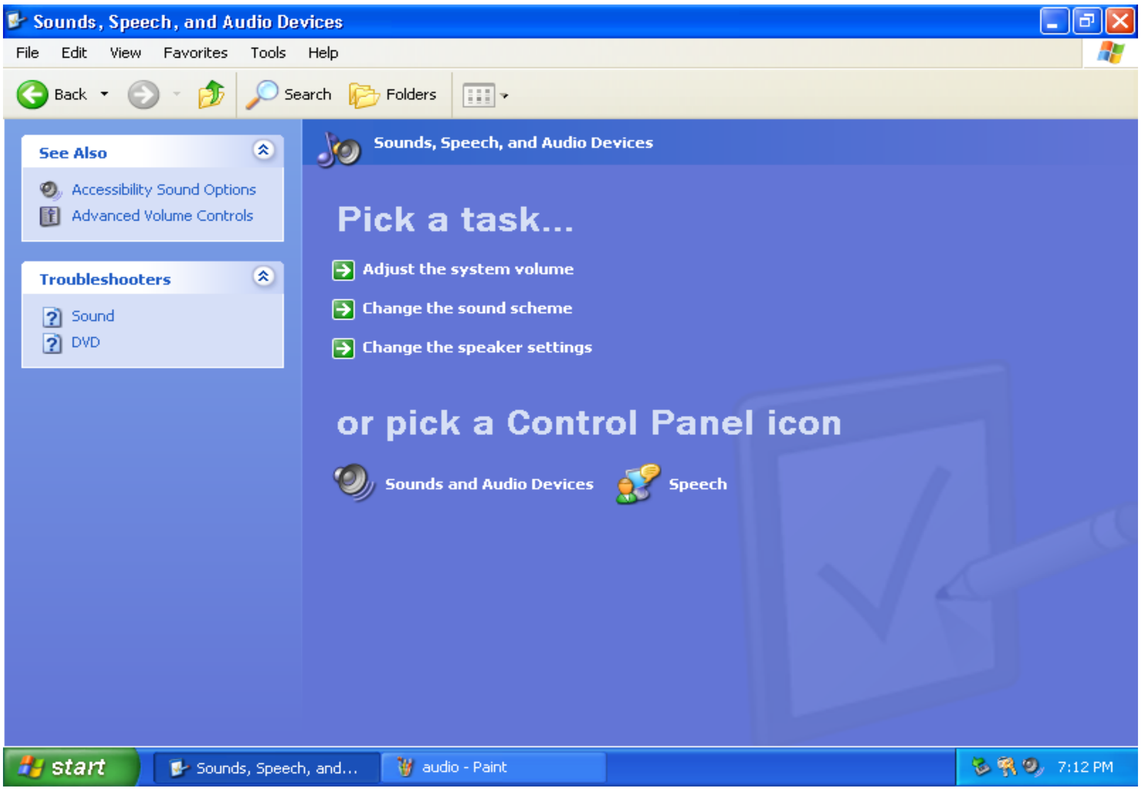
Timeout (sec.) : 5

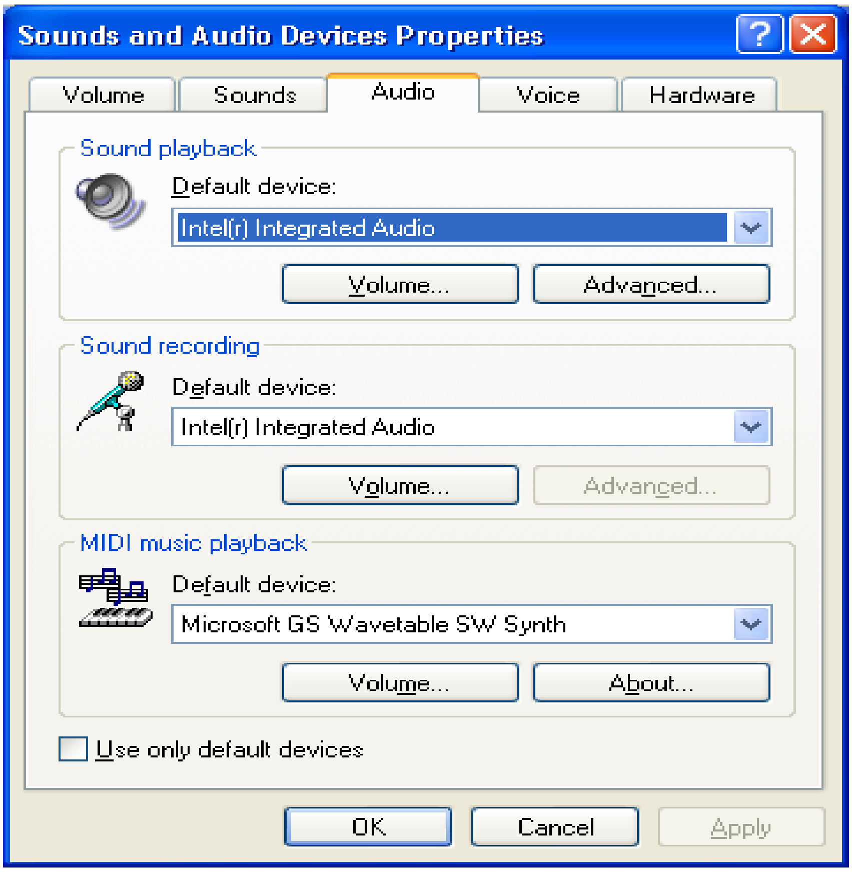
Property: The default port number is 8015 and the default timeout value is 5 seconds.
Leave them as they are unless other values must be used.

3. Audio Setup



Change the entire sound scheme or individual sounds made by your computer, or configure the settings for your speakers and recording devices.





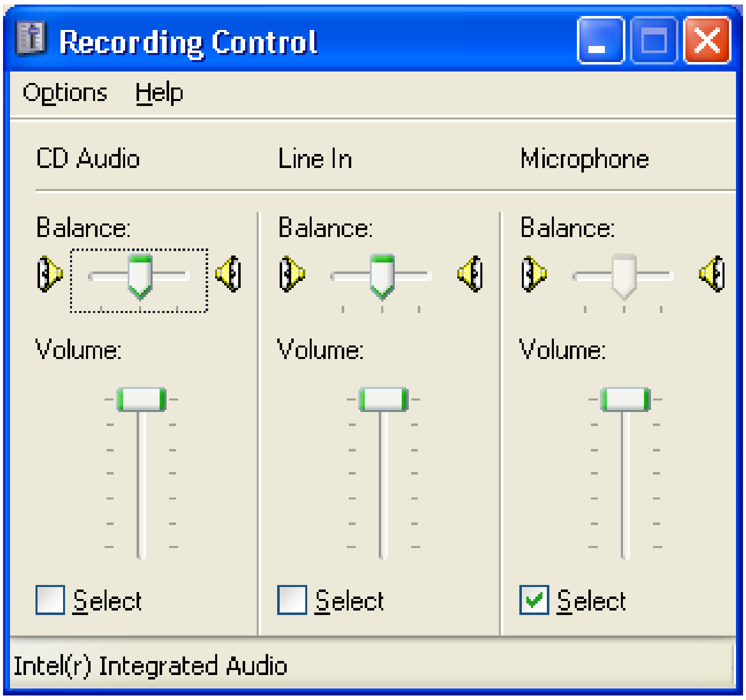
Sound playback — Default device: Intel(r) Integrated Audio

Sound recording — Default device: Intel(r) Integrated Audio

MIDI music playback — Default device: Microsoft GS Wavetable SW Synth

☐ Use only default devices

Go to “Control Panel”, “Sounds, Speech and Audio Devices” and “Sounds and Audio Devices”. Then go to “Audio”, “Sound playback and click “Volume”.



CD Audio: ☐ Select

Line In: ☐ Select

Microphone: ☑ Select

Intel(r) Integrated Audio

Recording Control should be set up this way.

PRIME

PROFESSIONAL DVR SYSTEM