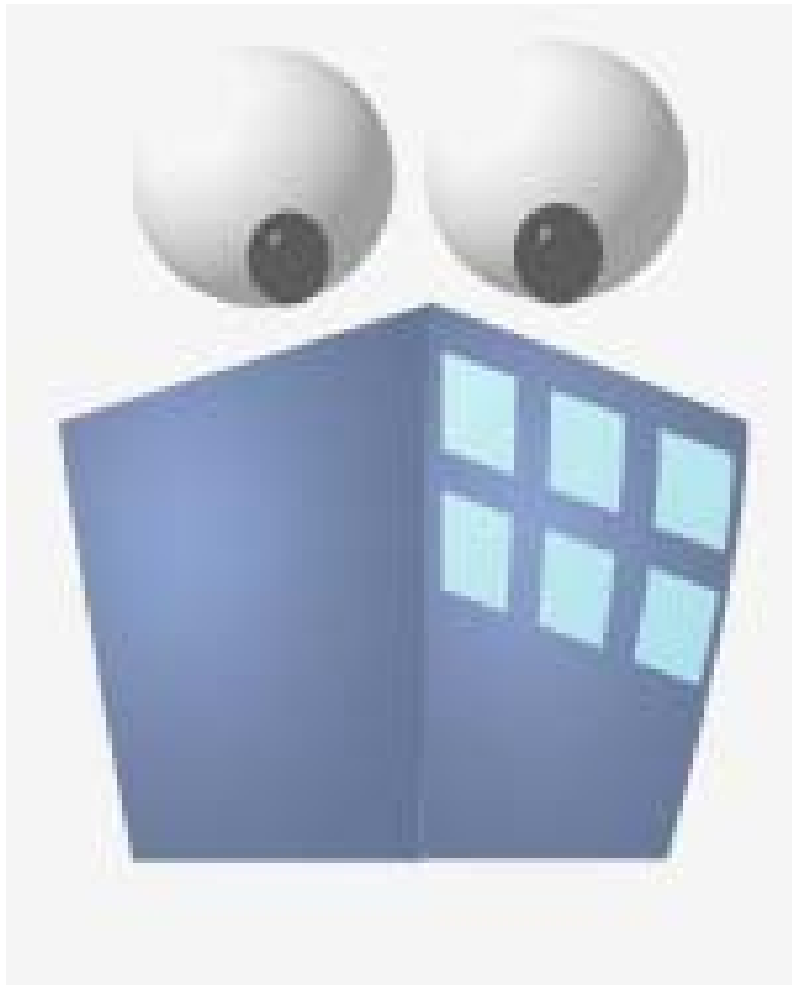


PV-140/ 143/ 149/ 153/ 155/ 157/ 180/ 183/ 980 /981

VPRO

SecurityEyes Software













Version : 3.0






Date : 2006/11/13



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1. Revision History

Date	Version	Description	Note
2006.07.12	V 2.8	Old version of SecurityEyes Software	Cannot be used on new drivers over V 2.x
2006.09.19	V 3.0	Update Drivers of Bt878 audio Update to brand new V 3.0 SecurityEyes Software	Using on new drivers only
Please remember to go to our web site, www.provideo.com.tw to download the latest version for the manual. About software & driver update news and detail, please contact our sales dept.			

1.1 Software Features

- A. New Database system (not compatible with old V 2.x version and before), quickly search old files and easy backup process.
- B. Modular structure of all software units, simple to customize for special using.
- C. Advanced MPEG-4 codec of video compression, to save the storage and high quality of video playback.
- D. Record : Full-time, Schedule, Motion Detect, I/O and remote command.
- E. Alarm : Event report, Wav sound, E-mail, Telephone (cell phone), Internal/External I/O and SMS message.
- F. Playback : Single and multiple playback, video only or included audio, Event Search of database, Zoom-In (Out), save to AVI and video configurations adjustable.
- F. Remote : Net Client software, Multicast Client software, IE browser, DMIP, PDA and



remote control program.

G. Others : Recycled recording, E-map, H/W Watch-Dog, PTZ control, Pre-record of motion detect and video lost detection.

H. Special Function : In this brand new professional software, we added one **Counter Application** for counting the amount of people or object moving in and out.

2. How to install the SecurityEyes software into PC system

2-1. Installation of Software

It goes through the installation and setup process of SecurityEyes software for Main, Remote and SMS Server applications.

If you ever installed older drivers in system, please follow below steps to uninstall the older drivers.

A. Auto-Uninstall : To uninstall the Security Driver in " Add or Remove Programs" of system control panel.

B. Manual-Uninstall : To delete the C:\windows\system32\drivers\PV878_A1.sys, C:\windows\system32\DrvCoIns.dll, PVNSetup.des, PVNSetup.exe and then delete the oem*.inf and oem*.PNF which contained chipset 878 information under C:\windows\inf folder.

2-2. Install Security Software - SecurityEyes_Main (Server)

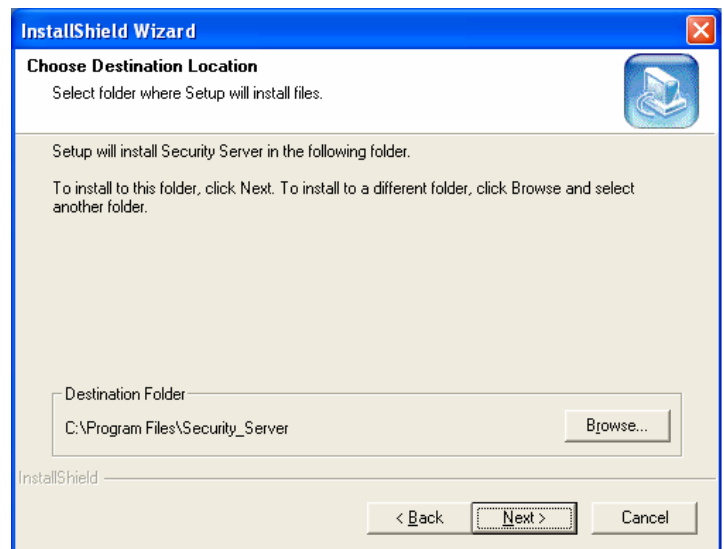
Step 1 : Please insert Installation CD into your CD-ROM Device, then the SecurityEyes installer should come up automatically. Please see below diagram :



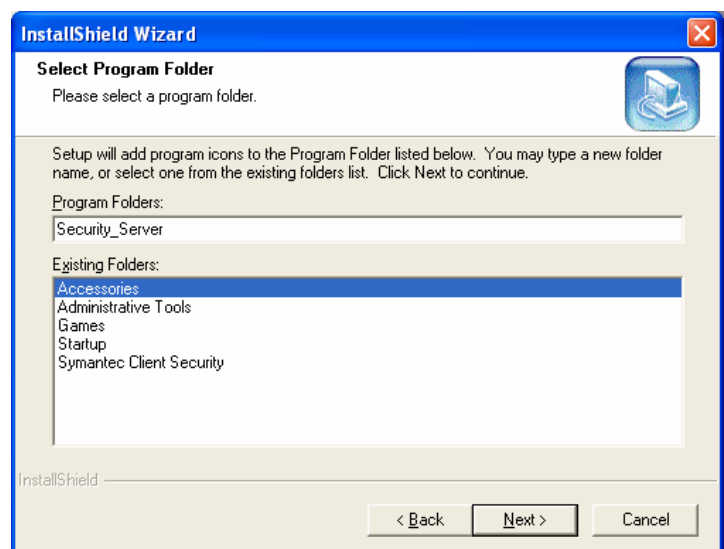
Step 2: Please click "INSTALL SECURITYEYES_MAIN".



Step 3: Please choose the destination location of installing folder and then click "Next" to continue.

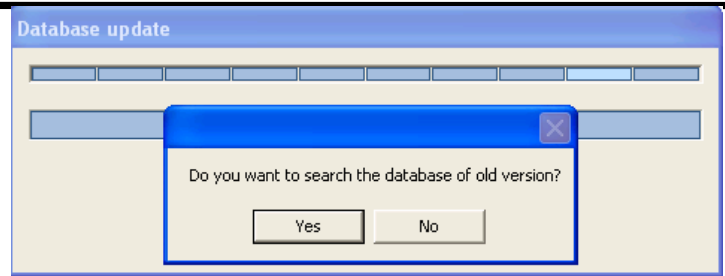


Step 4: Please select the program folder and then click "Next" to continue.

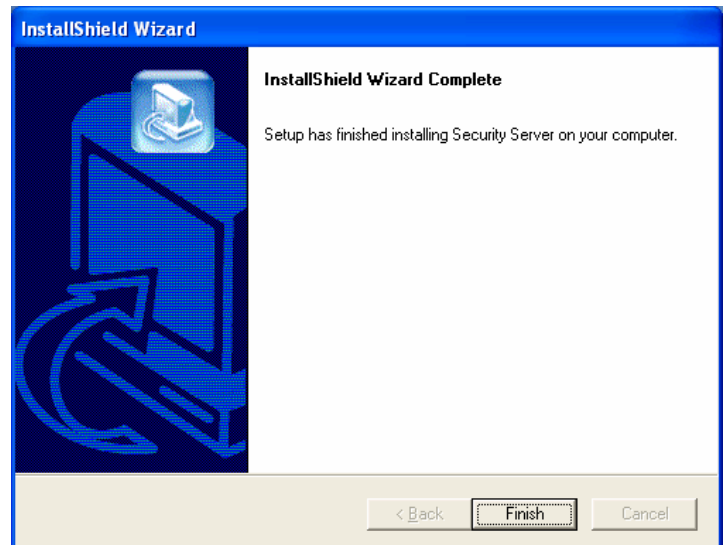




Step 5: The program will auto search the old database, please click "Yes" to continue.

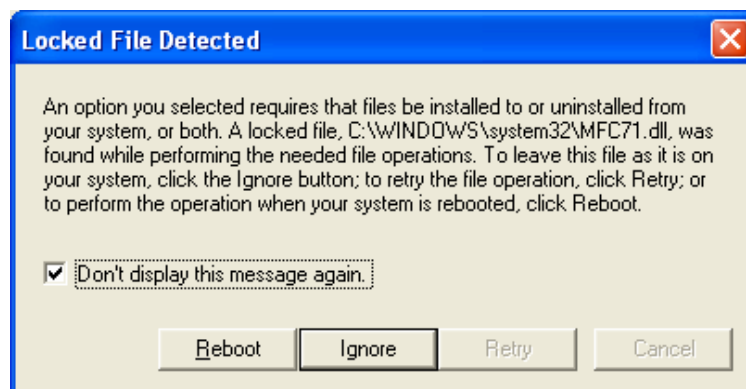


Step 6: Please click "Finish" to close the installation window of software.



NOTE :

If below **"Locked File Detected"** message window prompt while installing the SecurityEyes Main server software, please select **"Don't display this message again"** and then click **"Reboot"** will solve the installing problem of the locked system DLL files.



Anytime after you have processed installation, the screen as below will occur if your



disk space is not enough. Please try to release some space from harddisk, uninstall some useless system programs or refer to “Storage Path Setting” of SecurityEyes Main server application software.



2-3. Install SecurityEyes Software - SecurityEyes_Remote (Net Client)

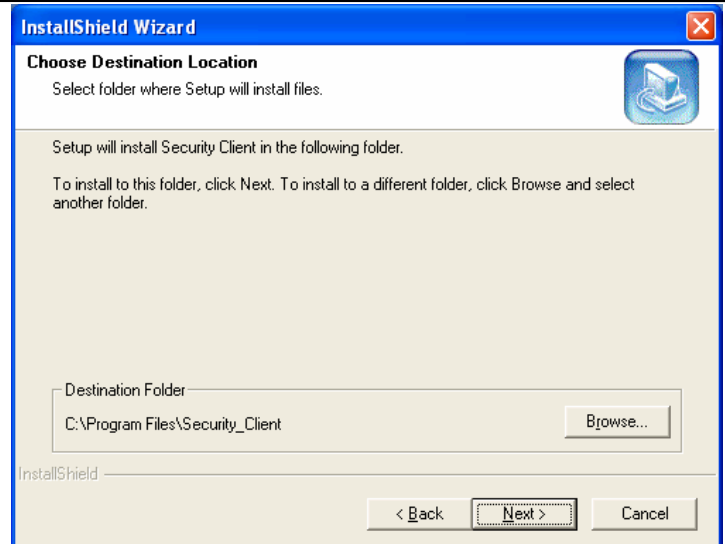
Step 1: Insert the Installation CD into your CD-ROM, and then the SecurityEyes installer should come up automatically. Please see below diagram :

Step 2: Please click
“INSTALL
SECURITYEYES_REMOT
E”.

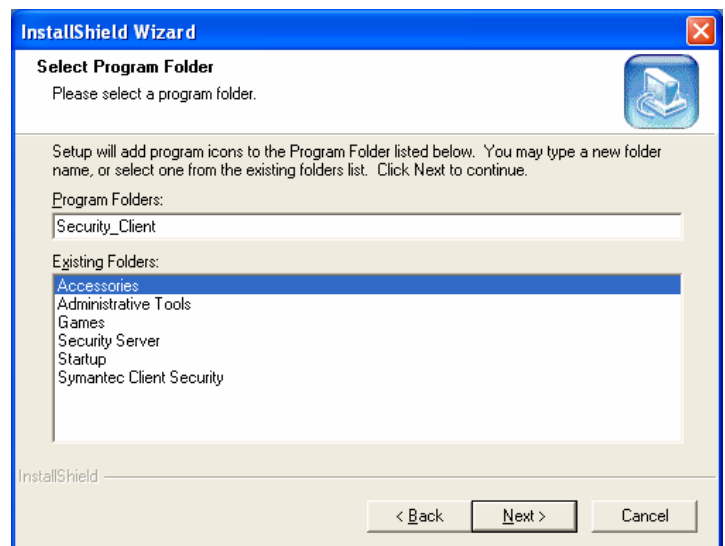




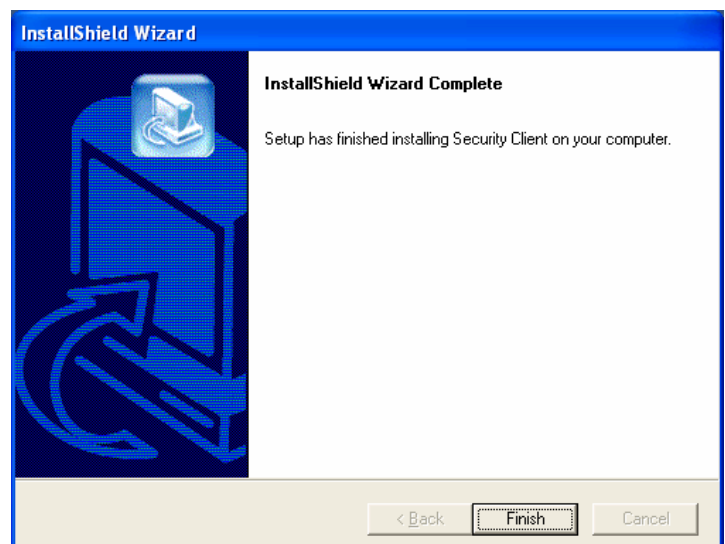
Step 3: Please choose the destination location of installing folder and then click "Next" to continue.



Step 4: Please select the program folder and then click "Next" to continue.



Step 5: Please click "Finish" to close the installation window of software.





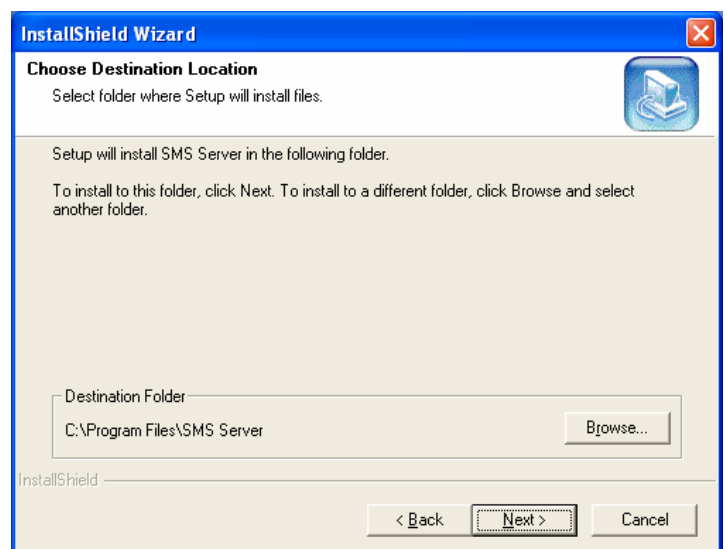
2-4. Install SecurityEyes Software - SMS SERVER

Step 1: Insert the Installation CD into your CD-ROM, and then the SecurityEyes installer should come up automatically. Please see below diagram :

Step 2: Please click
"INSTALL SMS
SERVER".

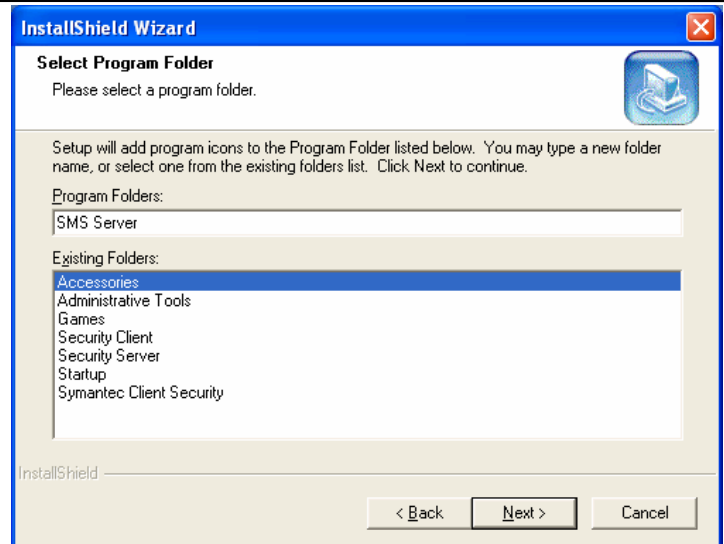


Step 3: Please choose the
destination location of
installing folder and
then click "Next" to
continue.

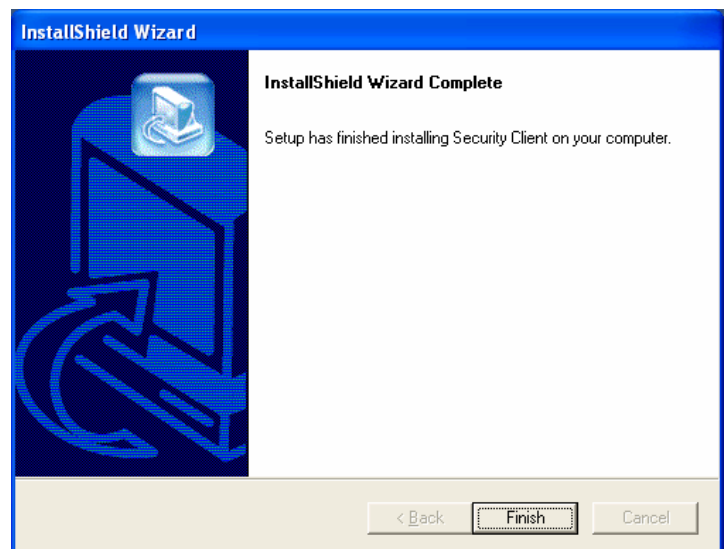




Step 4: Please select the program folder and then click "Next" to continue.



Step 5: Please click "Finish" to close the installation window of software.



3. Functions introduction of SecurityEyes software – Main

3-1. Summary introduction of SecurityEyes Main (Server) software

This software was the main software which supports Local Surveillance functions. It can record video/audio, playback, schedule working, motion detect, PTZ control, E-Map browser and alarm (WAV audio, telephone, mobile, mail, I/O...). .

Besides, it supports almost all Network Server functions like: TCP/IP, modem, IE



browsing, Dynamic IP and got ability to send SMS message out to mobile phones. This software will be very professional and powerful to use with remote software and other functions, and then realize 7/24 automatic surveillance system.

About the video, we upgraded the codec of MPEG-4. Make it be higher quality but smaller size. You don't need too pay much for your storage and will get clear video with high quality.

We designed the software based on independent program modules, it's very easy to test, verify and upgrade. The most importance's that software will be much more stable to use on this structure.

Of course, we're welcome the OEM and ODM customers to try and customize this brand-new system to promote the appearance of enterprise.

All the Graphic User Interface can be changed by customization !

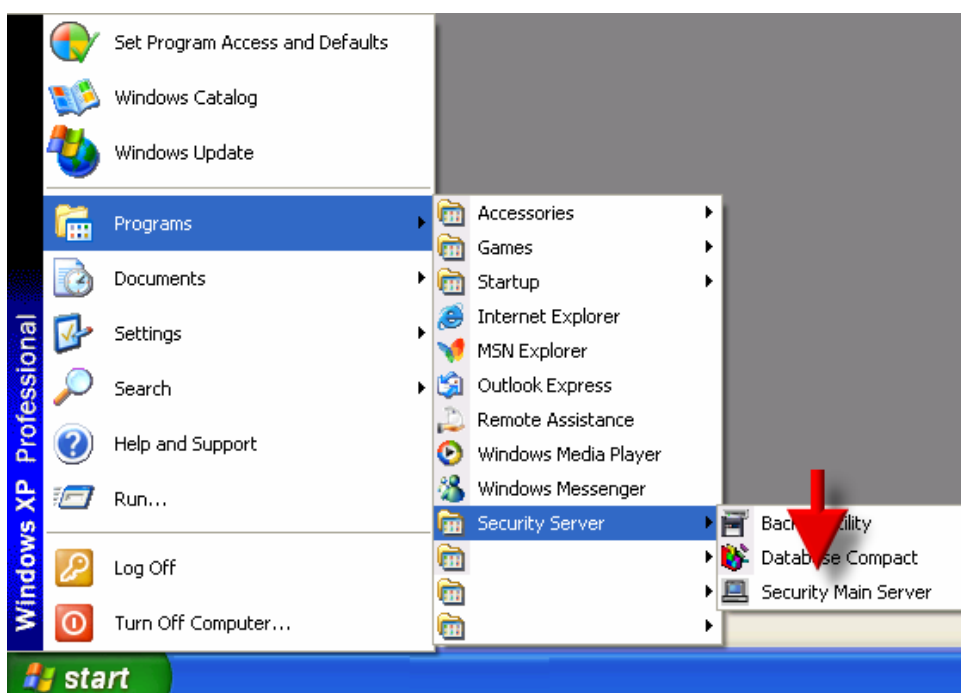
Now please contact our Sales Dept. for more details.

3-2. General introduction of SecurityEyes Main (Server) software

3-2-1 How to startup the Main server program

Turn on the PC and wait for loading the operating system at little time.

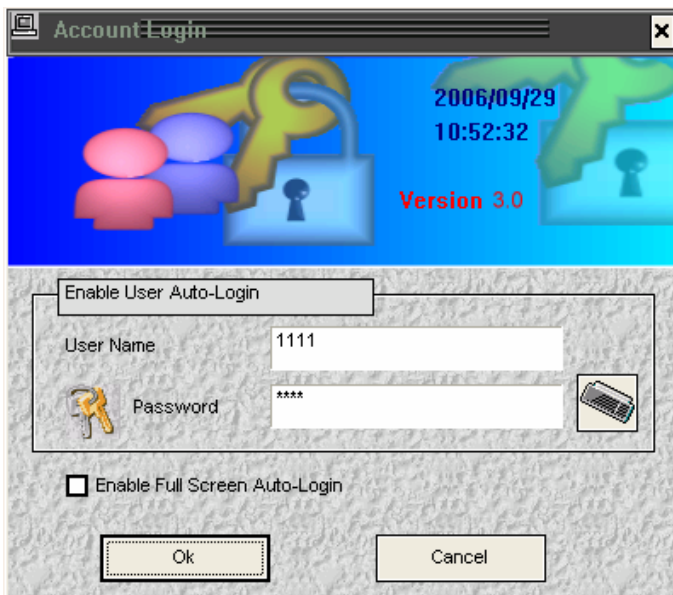
Please click START → PROGRAMS → SECURITY SERVER → SECURITY MAIN SERVER

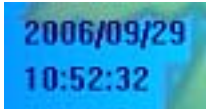







Before Main Server start, you have to login to the system at the first time to use the software. The default User Name and Password were both : 1111

We strongly recommended to change them immediately after server start for security reasons.



	<p>System Timer :</p> <p>Please note the time of server will be synchronized with the operating system of PC. If you want to change the time will have some unexpected errors of the programs in system. For example : The playback program may not recognize the time of recorded files, and then cause the files cannot be listed.</p>
	<p>Version Number :</p> <p>The version number of SecurityEyes Main server. It can help to understand the upgrading processes, bug fixing and specifications of the SecurityEyes Main server software. Any feedback please attach the version number will help us to solve the problems quickly.</p>
	<p>Assistant Keyboard :</p> <p>Click to enable the assistant keyboard to help typing without materialized keyboard. Using mouse click to input characters.</p> 
<input type="checkbox"/> Enable Full Screen Auto-Login	<p>Enable Full Screen Auto-Login :</p> <p>To check the box will enable Full Screen Auto-Login function</p>



after next time to login.

Note ! :

Enable this function will allow to enter the SecurityEyes Main server without login process. It may cause some errors if someone doesn't be recognized to change the system configurations. We recommended to enable this function after the **ACCOUNT settings** have been finished will be better.

At the first time to login SecurityEyes Main server, please don't change the Account

Name and Password. Just click  to enter the Main server program.

3-2-2 Main server User Interface (UI) - Server Introduce

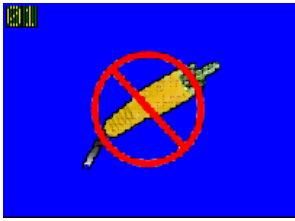
After login will appear the Main server user interface, we took our product, takes PV-157VPRO for example as below :





NOTE ! :

If you don' t input any video signal, the previewing video window will display :



[No Video Signal Input]

[Single Preview Window]



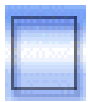
If the border line become to red of the previewing video window, it means RECORDING.

System Timer
(Contrast viewing)

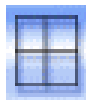
Channel Number :

The color will become to flash red if the programs detect motions of the previewing video.

[Quad Vision Modes]



1 Quad



4 Quads



6 Quads



8 Quads



9 Quads



10 Quads



13 Quads

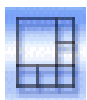


16 Quads

[Focused Camera Setting]



Users can click the Camera Number to make it be the focused camera.



Take (6 Quads) for example, if you click camera number 9, the biggest preview window will be changed to Camera 9' s view. Others will be Camera 10, 11, 12, 13 & 14. Please note that you cannot make random permutation.

[Status Window]



Local Server

2005/10/20
16:26:31

Status of Preview Only




All functions Enabled

<MONITOR>→ Monitor started. All functions can not work if Monitor is not started by users.

- MTC → 「Multicast Server」 function enabled.
- TCP → 「TCP/IP Server」 function enabled.
- MOD → 「Modem Server」 function enabled.
- SMS → 「SMS Server」 function enabled. (SMS : Short Message Service)
- DMP → 「DMIP Server」 function enabled.
- WEB → 「WebCam Server」 function enabled.
- PDA → 「PDA Server」 function enabled.



[] Provideo Guard

Same function with  button, but this guy will remind you to enable it because he got plentiful facial expression.



Sleep mode : When the system' s not in Monitor Status, the Provideo Guard will sleep.



Awake mode : When mouse dragging through, the Provideo Guard will be awaked and get ready to work.

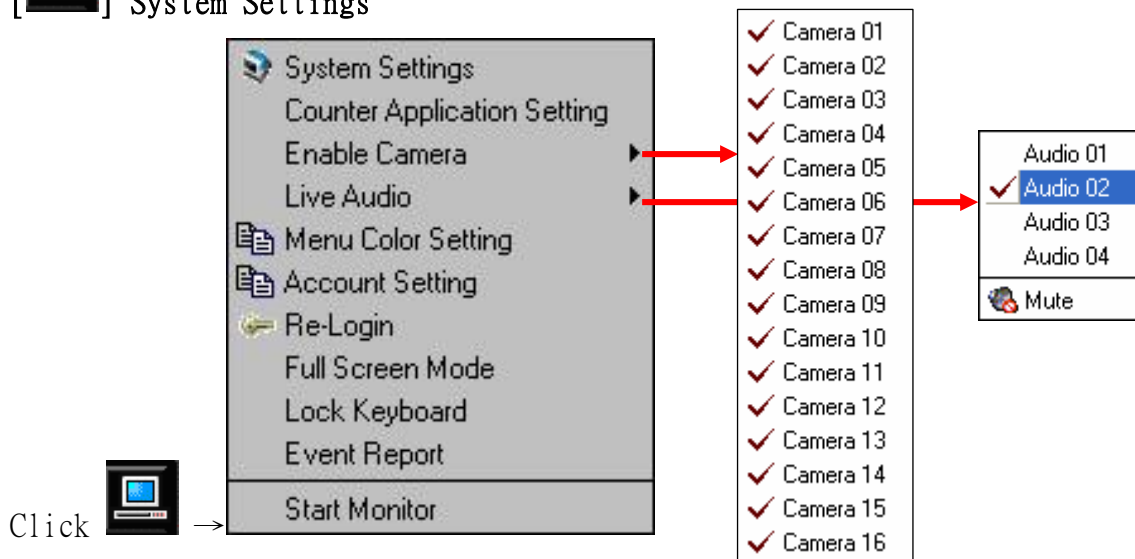


Monitor mode : Press to start monitor for surveillance system. Please note that all functions will be enabled when it' s in MONITOR mode.

NOTE ! : All functions (recording, motion detect, schedule, alarm and network functions) need to be enabled by “Start Monitor” . Please awake Provideo Guard and get him to work on Monitor mode if you see he' s in sleep.



System Settings



*Click 「**System Settings**」 to enter System Settings window, please go to chapter [“System Settings”](#) to see the details.

*Click 「**Counter Application Setting**」 to enter Counter Application control page, please go to chapter [“Counter Application Setting”](#) to see the details.

*Click 「**Enable Camera**」 to show the camera list, you can enable or disable cameras on it. The camera will not be shown and no setting menu for it in “System Settings” if it is disabled.

*Click 「**Live Audio**」 to play the live audio of the channel as user selects it.
(Only for PV-143VPRO, PV-153VPRO, PV-157VPRO or PV-180VPRO or PV-183VPRO)

*Click 「**Menu Color Setting**」 to change the background color of menu.

*Click 「**Account Setting**」 to enter Account Setting menu, please go to [“Account Setting”](#) chapter to see the detail.

*Click 「**Re-Login**」 to prompt LOGIN page again to wait for another user login to security software.

*Click 「**Full Screen Mode**」 to monitor preview video under FULL SCREEN without control interface shown.

*Click 「**Lock Keyboard**」 will disable any input on keyboard **except** Ctrl+Alt+Del Hot Key.

*Click 「**Event Report**」 to open the Event Log Report, please go to [“Event Report”](#) chapter



to see the detail.

*Click 「Start Monitor」 to enable Monitor and all other functions set earlier will work after it. This function's the same with Provideo Guard. (*Important!!! Please note this!*)



[Schedule Setting]



Click to enter Schedule setting window as below.

Note ! : Please enable “Schedule Server” in Start Set of System Setting once you Add New Data in schedule.

If you have disabled any camera, it will be grayed at Camera part.

A.  : Schedule in WEEKDAY mode [default mode].

: For users to set a period of time in schedule.



Start Setting	
<input type="checkbox"/> Record(S0)	<input type="checkbox"/> IO Control(S1)
<input type="checkbox"/> Motion Detect(S2)	<input type="checkbox"/> E-Mail(S3)

: User can set the events to be started in the schedule.

Record(S0) : Full Time recording when schedule starts working.

Motion Detect(S2) : Motion Detect Type of Recording when schedule starts working.

IO Control(S1) : IO Control will be invoked to control when schedule starts working.

E-Mail(S3) : Enable E-Mail alarm when schedule starts working.

Camera			
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03	<input type="checkbox"/> 04
<input type="checkbox"/> 05	<input type="checkbox"/> 06	<input type="checkbox"/> 07	<input type="checkbox"/> 08
<input type="checkbox"/> 09	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> 12
<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16

: To set 1 or more cameras to record when schedule starts.

General Date						
<input type="checkbox"/> MON	<input type="checkbox"/> TUES	<input type="checkbox"/> WED	<input type="checkbox"/> THUR	<input type="checkbox"/> FRI	<input type="checkbox"/> SAT	<input type="checkbox"/> SUN

: To set 1 or more days in a week to start schedule.

To enable the Net Server Functions when schedule start working.

Remote Server(S4) : Enable Remote Server(SecurityEyes_Remote only) function when schedule starts working.

Data Modify

: Click to modify the setting as marked in list, and check the Start and Stop time carefully to make sure the setting is matched with the schedule. After modifying, press it again to make the changed schedule record in working list.

Delete Data

: Click to delete the setting as marked in list

Add New Data

: Click to add new settings into list. If you click this button, the settings of new schedule record will be added in working list.

If you want to do full time recording, please enable Record(S0), disable Motion Detect(S2).

If you want to record by motion detect, please enable Record(S0) and Motion Detect(S2).



B.  : Schedule settings in SPECIFIC DATES mode.

: For users to set a period of time in schedule.

: User can set the events to be started in the schedules.

- Record(S0) : Full Time recording when schedule starts working.
- Motion Detect(S2) : Motion Detect of Recording when schedule starts working.
- IO Control(S1) : IO Control will be invoked to control when schedule starts working.



E-Mail(S3) : Enable E-Mail alarm when schedule starts working.

Camera			
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03	<input type="checkbox"/> 04
<input type="checkbox"/> 05	<input type="checkbox"/> 06	<input type="checkbox"/> 07	<input type="checkbox"/> 08
<input type="checkbox"/> 09	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> 12
<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16

: To set 1 or more cameras to record when schedule starts.

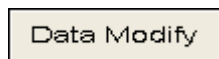
Specific Date
Start Date: 10/20/2005 [v] [Add Date] [X]

: At first, please select a day and then click [Add Date] to add the date into list.

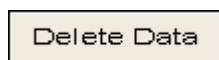
Click [X] will delete the date which added in list.

To enable the Net Server Functions when schedule starts working.

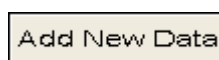
Remote Server(S4) : Enable Remote Server(SecurityEyes_Remote only) function when schedule starts working.



: Click to modify the setting as marked in list. and check the Start and Stop time carefully to make sure the setting is matched with the schedule. After modifying, press it again to make the changed schedule record in working list.



: Click to delete the setting as marked in list



: Click to add new settings into list. If you click this button, the settings of new schedule record will be added in working list.


If you want to do full time recording, please enable Record(S0), disable Motion Detect(S2).

If you want to record by motion detect, please enable Record(S0) and Motion Detect(S2).



[] Event List



Click  to enter Search & Playback mode, please go to "[Playback system](#)" chapter to see the detail.



[] Start Net Server

Please make sure "Start Monitor" is disabled and then just Start Net Server.



Click  to show below list for users to start Net Server functions.

- Modem Server → For single remote Net Client who uses modem, click to enable Modem Server function.
- DMIP Server → Please go to [Appendix 1](#) to check how to build up DMIP server.
- WebCam Server → For Internet Browser, click to enable WebCam Server function.
- TCP/IP Server → Click to enable TCP/IP Server function.
- Connect SMS Server → Enable this function can create a connection with SMS server and then SecurityEyes Server is able to send SMS message to mobile phones. *This function needs to install GPS/GPRS modem in PC first!!!*

Note : After above steps are processed, you must go back to System Settings and click "Start Monitor" to start again.



[] Record



Click  to show below list for users to start or stop recording manually.

Camera 01
Camera 02
Camera 03
Camera 04

Camera XX→ Click to start or stop recording on Camera XX

All Cameras Start Recording



All Cameras Start Recording→ Click to start all cameras recording.

All Cameras Stop Recording→ Click to stop all cameras recording.

Notice : After above processed, you must go back to System Settings and click “Start Monitor” to start again.

Please be noted, when Camera XX is start recording, if “Enable Motion Detect” is not enabled, now, it is full time recording for Camera XX.

If “Enable Motion Detect” function is enabled, it is recorded by Motion Detect. If Camera XX is to stop recording, even you Enable Motion Detect, no recording for Camera XX.



[] Channel Switch



Click  to show

Auto Switch Camera

Please click “Auto Switch Camera” to start channel auto switching. After enable this function, the camera’ s viewing one by one will be shown on the preview screen after every 5 seconds (default) .

For example, if your original camera’ s viewing→

1	2
3	4

Click “Auto Switch Camera” and after 5 seconds→




2	3
4	1

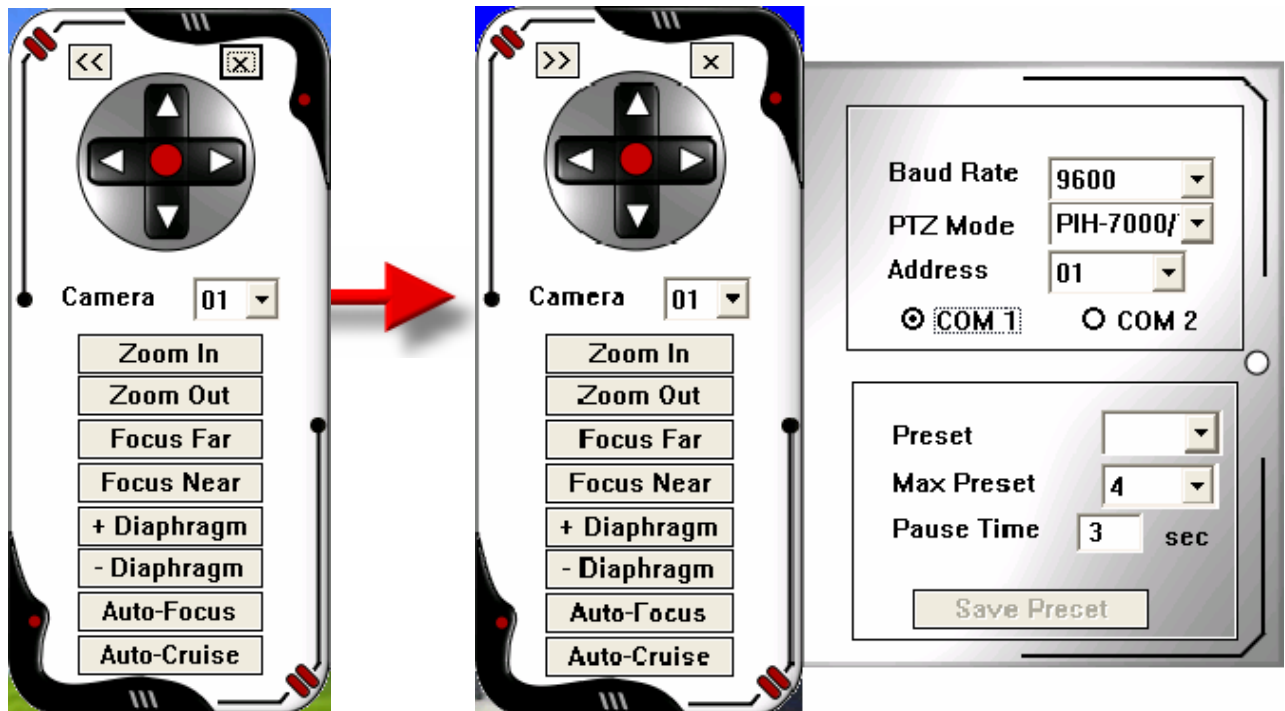
(The interval time of Camera Switch can be set in System Settings)



[] PTZ Control



Click  to enter the control panel of PTZ as below. Please click  to show the advanced settings of PTZ. Click  will close the advanced settings and back to simple control panel. You need use RS232(COM port) of the Main Server(PC) to connect PTZ camera, maybe, RS232 to RS485 converter is needed.



Please select the PTZ mode at first according to your used PTZ. Now we support several kinds of PTZ, they are PIH-7000/7600, PELCO D, NICECAM MP-1800, CANNO VC-C4 and FASTRAK II.

After this, please check the Address on PTZ camera' s hardware setting and then confirm which com. port connect with the control box. After correct settings of PTZ, then we can control well.

Camera 01 → After PTZ settings, please select the correct camera number related to the PTZ.

▲ : Move up ▼ : Move down ◀ : Left ▶ : Right

Click  to adjust the speed of Auto-Patrol of the PTZ as the picture .

Zoom In **Zoom Out** : For users to control PTZ to Zoom-In or Zoom-Out.

Focus Far **Focus Near** : For users to control PTZ to Focus-Far or Focus-Near.


+ Diaphragm **- Diaphragm** : For users to adjust Diaphragm more or less.




Auto-Focus : To Auto-Focus the PTZ camera.

Auto-Cruise : To Auto-Cruise the location of PTZ.




[] IO Control

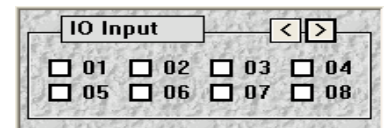
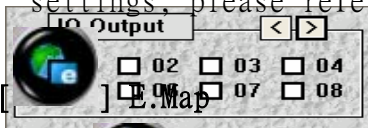


Click  to show below diagram.

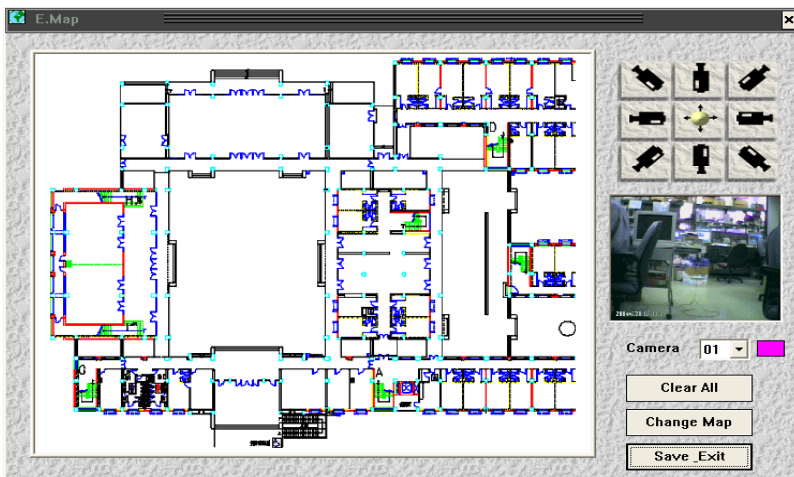
This control panel helps user to change the output of hardware I/O device quickly. For example : You can disable the I/O input and output on the control panel directly without entering to the system settings page. But please note this control panel will not change the I/O configurations in system settings.

→ Click  to go to the menu →

*Once your I/O device is connected, it will be shown on this panel, for the advanced settings, please refer to [I/O Settings](#) chapter.



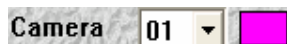
Click  to open the E.Map' s settings as below.




The map is default map for users' reference. Please change to the map which you want

to use by pressing **Change Map** and then choose the file of map in saved disk. After changing the map, now we can start to put the cameras on map.


1. Please select the correct camera' s number and the word' s color here :





2. Please select the camera in correct direction(for example : ) at the upper right part and click it. Then move it to map and point at a location to put the



camera by clicking mouse.

3. If you feel the default size of the map is too small, please press  to enlarge the map. Click again to make the map back to default size.

4. If you find out that you have wrong setting, you can press  to clear all you have set on map.


5. If no problem, please press  to save and exit this setting menu.

After above setting, you can view the specific location' s image by this function. Just need to click some specific camera on map and then you can see the preview window at the right side, it is sending the video from the camera in that location.



[] Snapshot A Picture



Click  to have a snapshot and shown as below diagram.



: Click to close this window.



: Click to save the selected snapshot to disk.



: Click to delete the selected snapshot.



: Click to save the snapshot for desktop.

3-3. Advanced introduction of SecurityEyes Main (Server) software

3-3-1 System Settings



[] General Settings -- page 1 of System Settings

For users to change the general configurations of the SecurityEyes Main server, please



check below to setup your system.

NOTE ! : Here we recommended to set different users group which in different allowance of preview, advanced user or administrators.

In the [“Account Setting”](#) program of SecurityEyes Main server, you can have the different allowance to each account (name) group to secure the surveillance system.

This is basic conception of security system to avoid somebody have some bad settings and then crash the security system. It’ s important.

Start Set

Start Set : Click to enable below functions startup automatically at next time rebooting. Usually used with Auto-Login to be an auto-monitoring system.

- ☐ Start Monitoring : Check the box to enable auto Start Monitoring at next time reboot.
- ☐ Web Cam Server : Check the box to enable auto-start of the Web Cam Server (IE Remote - Viewing) monitor at next time reboot.
- ☐ TCP/IP Server : Check the box to enable auto-start of the TCP/IP Server (Net Client - Viewing) monitor at next time reboot.
- ☐ Modem Server : Check the box to enable auto-start of the Modem Server (Net Client - Viewing) monitor at next time reboot.



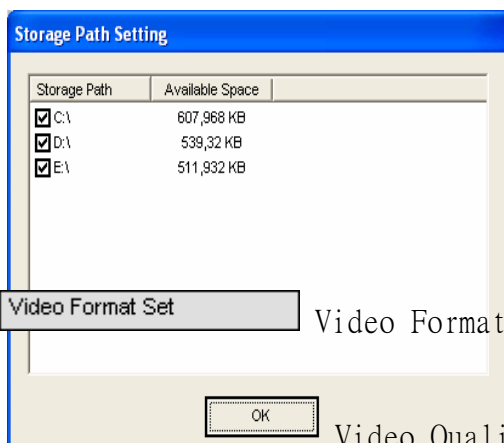
- ☐ DMIP Server : Check the box to enable auto-start of the DMIP Server (DMIP server for Net Client - Viewing) monitor at next time reboot.
- ☐ Schedule Server : Check the box to enable auto-start of the Schedule Server at next time reboot.
- ☐ Enable Directdraw : Check the box to enable Directdraw will help the performance of previewing but need VGA card to support.
- ☐ Auto-Login Setting : Check the box to enable auto-login of the SecurityEyes Main server monitor at next time reboot.
- ☐ Auto Send IP Mail : Check the box to enable auto-send the IP mails when you' re using DMIP Main server of SecurityEyes Main server at next time reboot..
- ☐ Connect to SMS Server : Check the box to enable auto-connect to the SMS Server at next time reboot.
- ☐ PDA Server : Check the box to enable the PDA Server at next time reboot.
- ☐ Multicast Server : Check the box to enable the Multicast Server at next time reboot.

Server Name

Server Name : To type any name for this SecurityEyes Main server for easily recognizing on network.

Storage Set

Storage Set : To set the storage of SecurityEyes Main server for recording



database. We recommended to set the storage except the SYSTEM driver (ex : C driver)

Check the box before the drive name means to save in this disk drive.

Video Format Set

Video Format : This function supports NTSC or PAL video format inputting.

Video Quality : This function supports CIF(320*240) or Four CIFs(640*480) resolution of video encoding.

Monitor Set

Monitor Set : Users can modify the advanced monitoring functions as below.

- ☐ Start WDT : Check the box to enable the hardware Watch-Dog Trigger. Before enable this function please check that Watch-Dog cable already



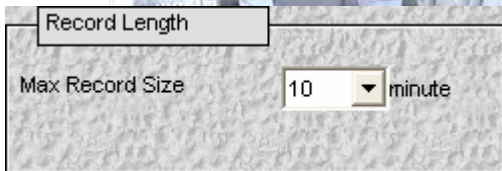
been connected between the card and motherboard well.

- Pre-Motion Detect Record: Check the box to enable the Pre-Motion Detect Record. This means that it will auto record the previous 3 seconds(default) video before motion detection recording was enabled.

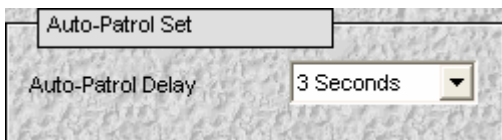
- Use Previous Preview : Check the box to enable the Previous Preview of the video display window. On the displaying window and click Right button of mouse will appear the dragging bar. Users can drag the bar to check previous 3 seconds video from buffer of the channel. On the displaying window and click Right button will close it.



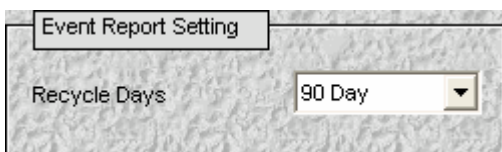
- Notification Of Lost Video : Check the box to enable the alarm sound of preview video lost.



Record Length : Users can modify the maximum recording time of each file from 1 to 59 minutes. The default was 10 minutes.



Auto-Patrol Set : Users can modify the delay time of channel switch from 1 to 20 seconds. The default was 3 seconds.



Event Report Setting : Users can modify the delay time of recycling the log file([Event Report](#)). After the days the system will auto erase the log file to blank and then restart to record the events again.

[] I/O Settings -- page 2 of System Settings

For users to add/modify the I/O device configurations of the SecurityEyes Main server. Users can disable the alarm of hardware I/O detection via 2 methods. One is using the mouse left key to click anywhere on the SecurityEyes Main server interface and the other is using the I/O control panel to disable it.



Please check below to setup your system

NOTE ! : Now we only supported 2*Provideo hardware I/O devices, still not have bundled the control programs of other hardware I/O devices. If you need more information, please have contact with our sales dept. for OEM or ODM customized project.

Choose I/O Device

Choose I/O Device : Click to choose the hardware I/O device to work.

Now the software supports Provideo 878 GPIO card (PV-154) and External I/O box (PT-811M).

After choosing the I/O device, please check the box of

☐ **Enable IO Detect**

and then software will detect the I/O device' s address and port number automatically. Then the information will be shown on the below window.

Input Control

Input Control : Users can set the configurations of I/O input

controlling. Now the I/O control supports 8*input.

Firstly please select one input in **Input Port** and then



have a name of this input port.

Name	IO 01
------	-------

Besides I/O output alarm, users also can check the box to set other alarm which like : Recording, Alarm Sound and Telephone Alarm to I/O input detecting.

Monitor Input Port	
<input type="checkbox"/> Record	5 Sec CH 1
<input type="checkbox"/> Invoke Alarm Sound	
<input type="checkbox"/> Invoke Telephone Alarm	

Output Control

Output Control : Users can set the configurations of I/O output alarm.

Now the I/O control supports 8*output.

Please note that have to select one of the I/O input port in above settings and then just select the I/O output in below dialog. Then they will respond to each other.

Port Number			
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03	<input type="checkbox"/> 04
<input type="checkbox"/> 05	<input type="checkbox"/> 06	<input type="checkbox"/> 07	<input type="checkbox"/> 08

Please select one of the signal types to output alarm. And then input the delay time length of PULSE alarm.

1	Sec
---	-----

<default value : 1, means the output will pulse the signal every 1 second.>

N/O : Normal Open

N/C : Normal Close

N/O Pulse : Normal Open Pulse

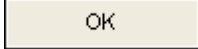
N/C Pulse : Normal Close Pulse

Signal Type	
<input checked="" type="radio"/> N/O	<input type="radio"/> N/C
<input type="radio"/> N/O Pulse	<input type="radio"/> N/C Pulse
1 Sec	


Apply

Apply : After finished the I/O configurations, please remember to press APPLY



and then press  to apply all I/O settings. After all, please enable “Start Monitor” or press “Provideo Guard” to start the I/O detection & alarm.



[] Remote Settings -- page 3 of System Settings

For users to set the configurations of remote surveillance.

Users can set advanced network settings here if used two network cards in one PC, dynamic IP address, firewall or router on network. Please check below to setup your system.



NOTE ! : Now the system still not supports dynamic IP on two network cards in one PC.
The “Use Secondary IP” function cannot be set on dynamic IP network.

Webcan Server

WebCam Server : WebCam Server was used to remote view on Internet Browser. If SecurityEyes Main server was set behind a firewall or router, users can change the PORT number from 80 to other port.

<default : 80>

If the PC installed two network cards, the system will not find the correct one to transmit the video out to remote sides because Windows system only can organize the first network card. Therefore users can nominate a fixed IP of the secondary network card for correct video transmission.



DMIP

DMIP : Before use this function, users have to setup one DMIP server at the other side. About how to setup the DMIP server, please refer to [“Appendix 1-How to setup DMIP server”](#) .

Assumed that we already had a DMIP server and the IP was 211.23.45.244, the login name and password were both 1111. We had to input the Login Name/Password and IP address into :

Login Name / Password	1111
-----------------------	------

IP	0 . 0 . 0 . 0
----	---------------

Refresh Time	15	Sec
--------------	----	-----

And then set a fresh time in . We recommended to keep the default value and it should be enough to get the correct result.

Remote TCP/IP Server

Remote TCP/IP Server : Remote TCP/IP Server was used to remote view on SecurityEyes Net Client software. If SecurityEyes Main server was set behind a firewall or router, users can change the PORT number from 7000 to other port.

Port	7000
------	------

<default : 7000>

Please note that have to press

OK

 after all configurations were finished.



[] Hotline Settings -- page 4 of System Settings

For users to set the configurations of hotline alarm.

SecurityEyes Main server supports to send alarm sound out to general telephone or mobile phone via modem dialing on line. Please check below to setup your system.

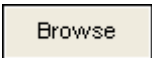


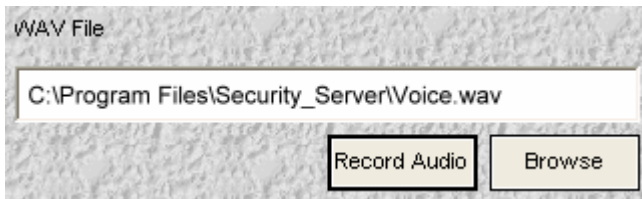
NOTE ! : Please purchase and install the modem which had VOICE transmit function or the alarm sound may not be send out to phone.

Firstly we select a modem which already be installed in PC and it will be auto detected

in modem list.

And then please select general telephone or mobile phone for sending the alarm sound.

Click  to choose one voice file.

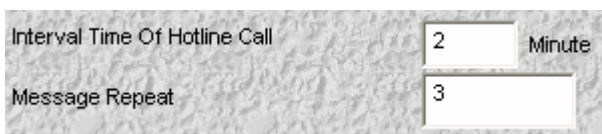


<Audio File Format : PCM 8000Hz, 16Bit mono 16kbs>

Or click  to record a new one.

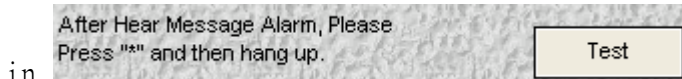


Then please set the interval time and the message repeat times of each call.
Please don' t set too short(many times of repeat) or you' ll get a lot of phone calling.



Finally we recommended to test the settings if any problem. Please press





in function.

NOTE ! : If you get a phone call without alarm sound means that modem didn' t support VOICE transmission, please change another modem to test it again.

Please note that have to press  after all configurations were finished.



[] Alarm-email Settings -- page 5 of System Settings

For users to set the configurations of email alarm.

SecurityEyes Main server supports to send alarm email out to mail box via SMTP server. Please check below to setup your system.

Please use the IP address to edit SMTP, Ex:(xxx.xxx.xxx.xxx).

SMTP* 0,0,0,0

Sender*

Receiver*

Carbon Copy

Blind Copy

Subject* Security Server alarm

Content* Security Server alarm

E-Mail Setting

Interval Time 5 Minute(s)

Capture Setting

☒ Attach JPEG

Number 1

☒ My Server requires authentication

Logon Information

Account name:

Password:

Test To Deliver

OK Cancel

NOTE ! : Please check that you already had a SMTP server(domain name or IP address) which can be used to send email out to mail box.

Firstly please input the IP address(xxx.xxx.xxx.xxx) or domain name of the SMTP server.

SMTP* smtp.domain.net

Then please input the email addresses into the Sender, Receiver, Carbon Copy and Blind Copy items.



Sender*	SecurityEyes Main server@domain.net
Receiver*	123@domain.net
Carbon Copy	456@domain.net; 789@domain.net
Blind Copy	secretsky@domain.net

Then input the subject and content.

Subject*	Security Server alarm
Content*	Security Server alarm

Set the interval time of each alarm email, we recommended that do not set too short or you' ll get a lot of alarm emails and waste the network bandwidth.

E-Mail Setting	
Interval Time	5 Minute(s)

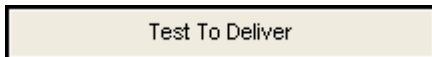
Please select to attach the JPEG picture on email or not. If yes, please choose the amount of pictures from 1 to 6. We recommended that please do not send too many pictures out, because the JPEG picture was big and it will waste the network bandwidth.

Capture Setting	
<input checked="" type="checkbox"/> Attach JPEG	
Number	1

If your SMTP server needs to login, please input the account name and password.
Check the box, "My Server requires authentication" , to enable the login procedure.



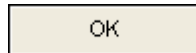
Finally we recommended to test the settings if any problem. Please press



function.

NOTE ! : If you cannot get any email from your SMTP, please check with MIS or Administrator about the settings and then test it again.

Please note that have to press



after all configurations were finished.



[] SMS Server Settings -- page 6 of System Settings

For users to set the configurations of SMS alarm server.

SecurityEyes Main server supports to send SMS alarm out to SMS mobile phones via SMS server. About the application software setup, please refer to “[Configuration for SMS Server](#)” chapter. Please note that you have to install the SMS server software and then just use this function.

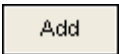
Please check below to setup your SMS server system.



NOTE ! : Please check that your mobile phones and telecom organization did supported SMS message transmission and it needs to pay the charges for SMS transmission.

SMS : Short Message Service

Firstly please input the IP address(xxx.xxx.xxx.xxx) of the SMS server. We didn' t recommend to change the PORT, ACCOUNT and PASSWORD because they' re all default values. If your system was behind a firewall or router, please open 6886 port in firewall or router settings.

Then input the country code and number of the mobile phone that will receive the SMS alarm and then press  to add the number into the list.



Country Code	Mobile Number
<input checked="" type="checkbox"/> 886	987654321

And then please select the terms and interval time of SMS alarming out.

☒ Unselect All cameras

☒ Select All cameras

Send Alarm Message & Interval Time

☒ Video Lost 10 Minute(s)

☒ Not enough space in storage 10 Minute(s)

☒ IO Motion 10 Minute(s)

☒ Motion Detect 10 Minute(s)

Camera ☒ ☒

<input checked="" type="checkbox"/> 01	<input checked="" type="checkbox"/> 02	<input checked="" type="checkbox"/> 03	<input checked="" type="checkbox"/> 04
<input checked="" type="checkbox"/> 05	<input checked="" type="checkbox"/> 06	<input checked="" type="checkbox"/> 07	<input checked="" type="checkbox"/> 08
<input checked="" type="checkbox"/> 09	<input checked="" type="checkbox"/> 10	<input checked="" type="checkbox"/> 11	<input checked="" type="checkbox"/> 12
<input checked="" type="checkbox"/> 13	<input checked="" type="checkbox"/> 14	<input checked="" type="checkbox"/> 15	<input checked="" type="checkbox"/> 16

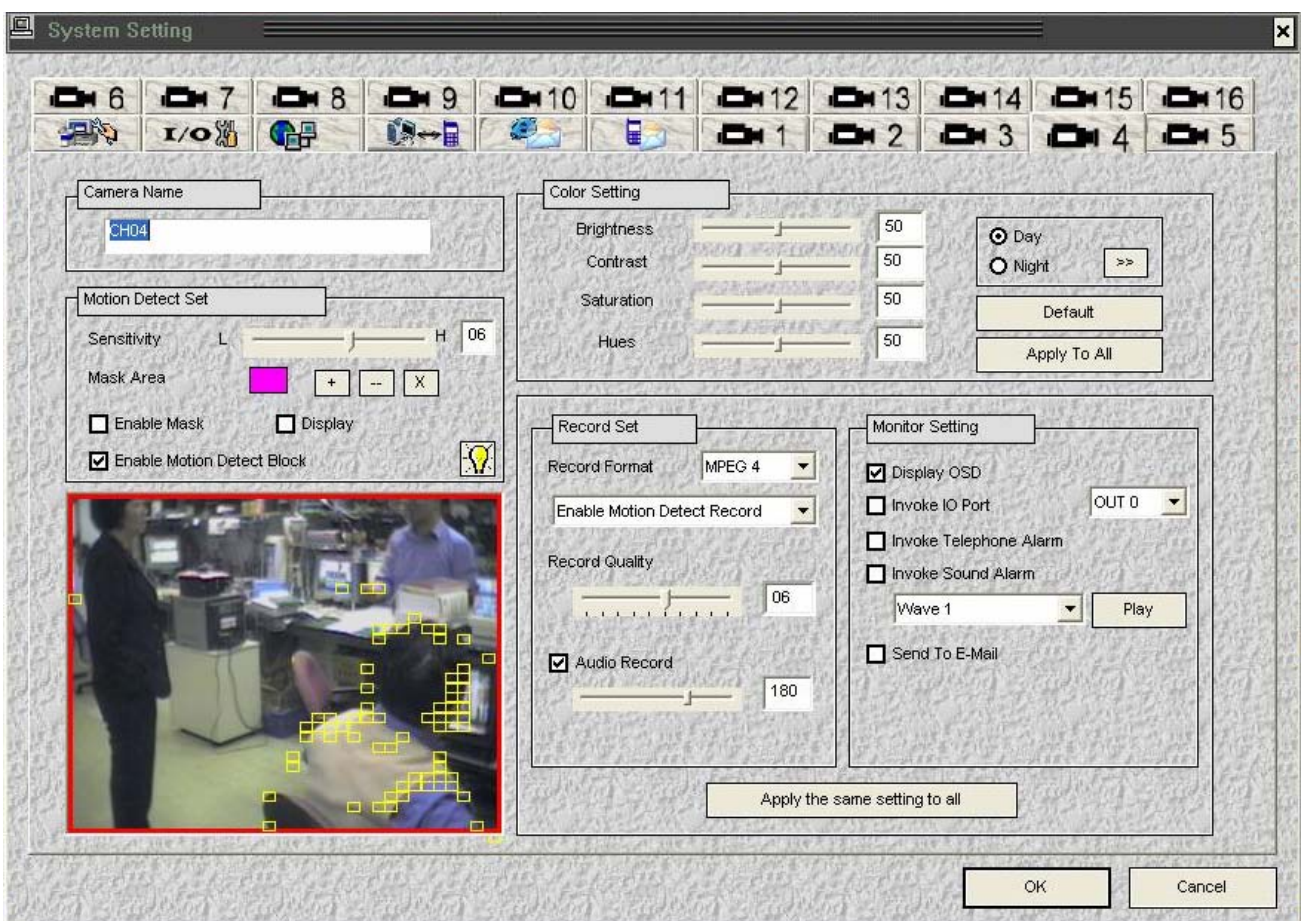


Please note that have to press  after all configurations were finished.

[ 2] Camera Settings -- page 7 of System Settings

For users to set the configurations of each single camera.

SecurityEyes Main server supports to setup each single camera for special using or configurations to make it much more friendly and real customization. Also the configurations can be applied to all cameras which just need to press one button. Please check below to setup your camera.



NOTE ! : Some settings in schedule may cover the cameras' settings. Please check that settings in schedule programs, because the schedule settings were higher priority than normal settings.

Please have a name(ex : Office or Home) or keep default of the camera.



Camera Name

CH02

To adjust the color settings of the camera as wished.

Color Setting

Brightness 50

Contrast 50

Saturation 50

Hues 50

☒ Day
☐ Night >>

Default

Apply To All

To adjust the start point of day and night time. For example, the default means :
Day Time : from 6 : 00 AM to 3 : 59 PM, Night Time : from 4 : 00 PM to 6 : 00 AM as below.

Day and Night setting

Day Time 6:00:00 AM

Night Time 4:00:00 PM

OK

Click

Apply To All

 to apply the color and DAY/NIGHT time settings to all cameras.

To set the record settings of the camera.

Record Set

Record Format MPEG 4

Enable Motion Detect Record

Record Quality 04

Record Format : MPEG-4 only.

Record Type : Motion Detect or Always recording.

Record Quality : Higher' s better quality.

Audio Record : Enable to record audio or not, and adjust the volume of the audio recording.

To set the monitor settings.

Monitor Setting

☒ Display OSD

☐ Invoke IO Port OUT 0

☐ Invoke Telephone Alarm

☐ Invoke Sound Alarm

Wave 1 Play

☐ Send To E-Mail

Display OSD : Enable to display the camera name and time on previewing video window.

Invoke IO Port, Telephone Alarm, Sound Alarm and Send to E-Mail, these functions should be used with "Enable Motion Detect" . It means that the camera will send alarm out if motion in camera' s video was detected.



Motion Detect Set

Motion Detect Set : To set the sensitivity and mask of motion detection.



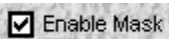
To adjust the sensitivity of Motion Detection.

Recommended to set by advanced user or keep in default.



To set the mask of motion detection.

Please use mouse and press left button to drag and add the mask on the video. You can change the mask color, press to add, to decrease and to erase all.



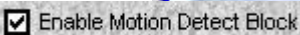
Check the box to enable detect the motion inside the mask area. If this function was disabled, the full screen motion detection' s still working but mask will not.



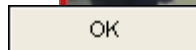
Check the box to enable displaying the icon on the down-right side of the previewing video window as below.



If the icon is flashed, it means some motions have been detected by program.



Check the box to show the yellow blocks on moved objects as the picture.



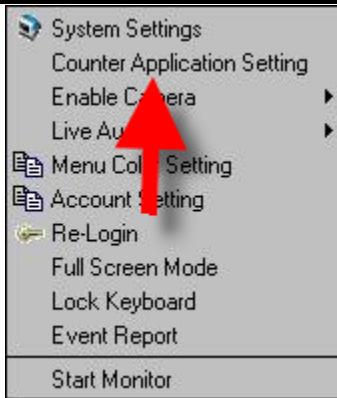
Please note that have to press after all configurations were finished.

3-3-2 Counter Application Setting

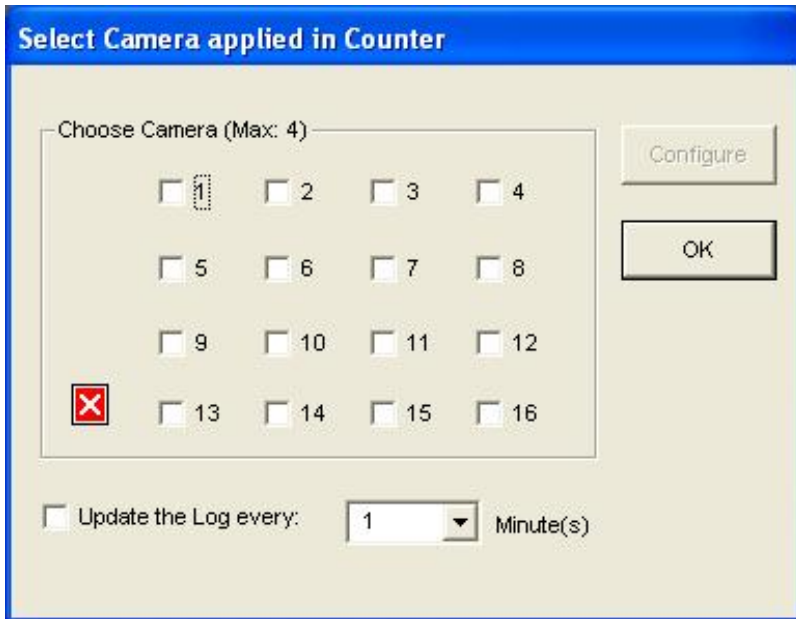
This function is mainly to count the amount of people or object moving in and out at special locations which were like entry, gates or special areas.



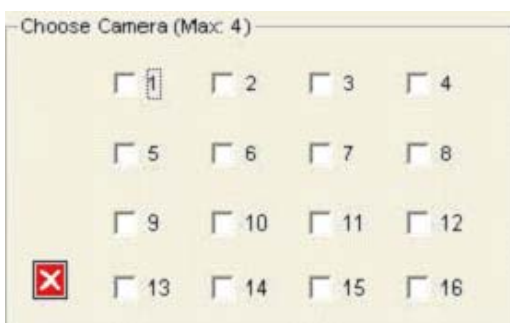
In the Main server user interface, click and then select “Counter Application Setting” as below picture.




To enter the Counter Application Setting as below.



NOTE ! : We had a limit of 4 cameras can be enabled in Counter Application program, because of the system loading will be higher.



Firstly please select the cameras which will start to count, the maximum was 4 cameras. Click  to un-select all.

About how to configure the Counter Application settings, we had an example as below. At first, we selected camera 1 ~ camera 4 as below.




Select Camera applied in Counter

Choose Camera (Max: 4)


<input checked="" type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 4
<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8
<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> 12
<input checked="" type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16

☐ Update the Log every: Minute(s)

Configure OK

And then click  to enter the setting page as below.

Counter Application Setting



Choose Camera
Camera 1




Setting

☒ Enable Counting

☐ 1 Way Counting

☒ 2 Way Counting

Definition

☒ Define Detection Zones   

☒ Region1 ☐ Region2

Sensitivity

Test Count

Counting Result

In (1 to 2): 0 Out (2 to 1): 0

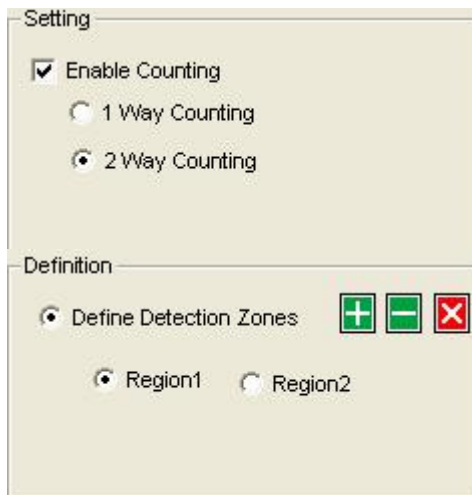
Test

OK

Choose Camera

Camera 4




Please select the camera which wants to be added into



To enable counting and please select one of “1 Way Counting” or “2 Way Counting” will to count objects move in or out. Here we take “2 Way Counting” for example to setup.

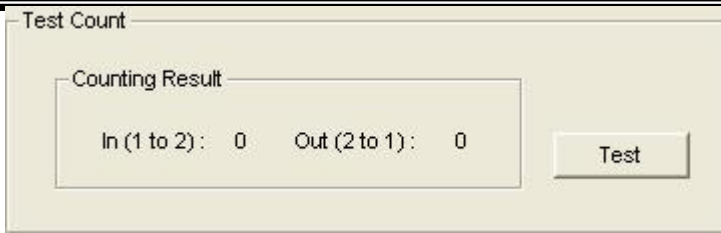
And then please select the region1 to draw the mouse on video screen for red color area as below.




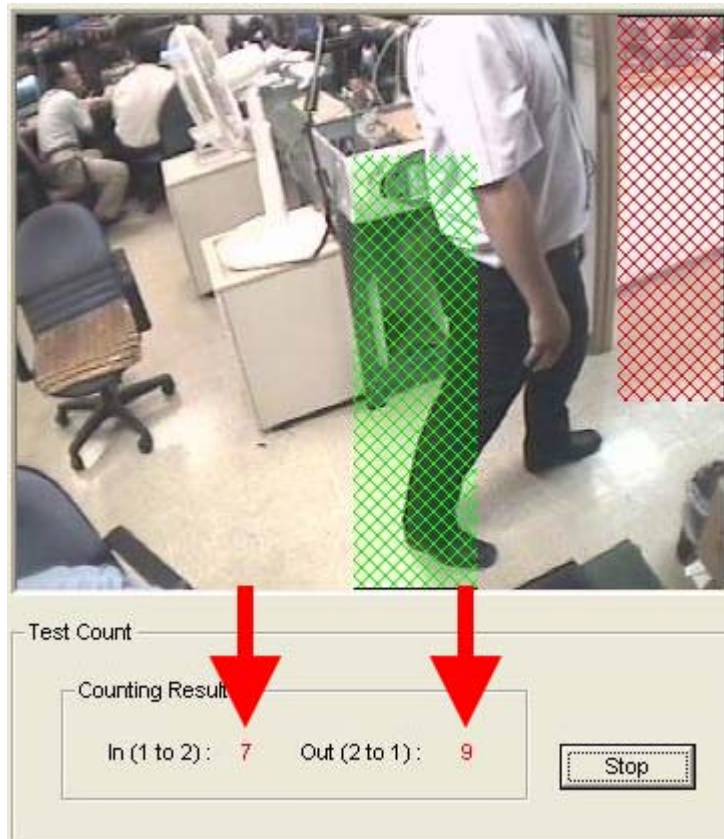
Click  to add on area, click  to decrease and click  will erase all marked area.


And then please set the region2 via drawing mouse on video screen for green color area as same as last step.

Our suggestion' s to set Moving In for region1 and Moving Out for region2 will be better to count the moving. Of course, you can define the entry and exit by yourself. Just remember the area in setting will be okay to count the moving.



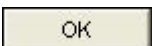
After above settings, please press  to test the Counter Application at the first time using. The counting result will be shown on test count list as red text as below.

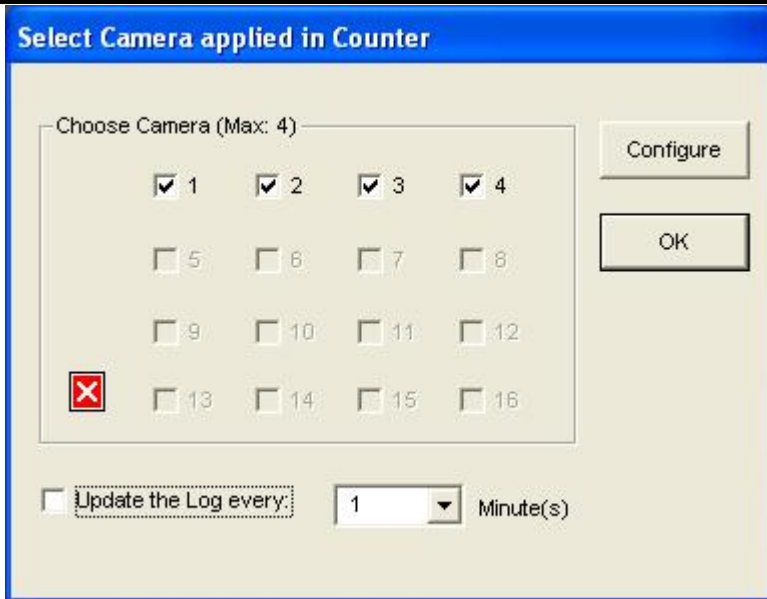


If you don' t satisfy about the test result, please press  to stop test. And then please adjust the sensitivity of detection level.



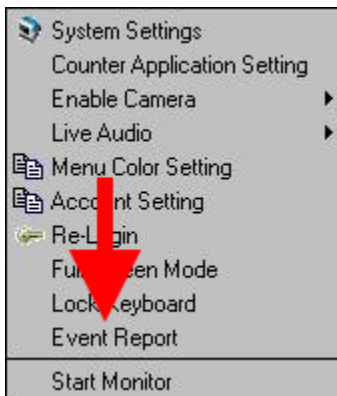
Move to right side will be higher sensitivity.

After all setting' s done of all cameras be set to count, please stop test and click  to back to the main window as below.



If you want to see the log list in 『Event Report』 program, please check the box to enable of ☐ Update the Log every. And then adjust the refresh time of log updating in Minute(s). After all, please press to apply the settings.

If you want to check the counting result, please go 『Event Report』 as below :



Select the cameras and click “Start Find” button.



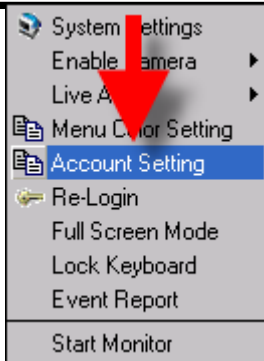
#	Start	Stop	Camera	In	Out
1	2006/10/31 16:42:47	2006/10/31 16:43:47	2	0	0
2	2006/10/31 16:42:48	2006/10/31 16:43:47	3	0	0
3	2006/10/31 16:42:47	2006/10/31 16:43:48	4	1	12
4	2006/10/31 16:42:48	2006/10/31 16:43:48	1	0	0
5	2006/10/31 16:43:48	2006/10/31 16:44:48	2	0	0
6	2006/10/31 16:43:48	2006/10/31 16:44:48	3	0	0
7	2006/10/31 16:43:48	2006/10/31 16:44:48	4	1	6
8	2006/10/31 16:43:48	2006/10/31 16:44:48	1	0	1
9	2006/10/31 16:44:48	2006/10/31 16:45:47	2	0	0
10	2006/10/31 16:44:48	2006/10/31 16:45:48	3	0	0
11	2006/10/31 16:44:48	2006/10/31 16:45:47	4	0	0
12	2006/10/31 16:44:48	2006/10/31 16:45:48	1	0	0

NOTE ! : The result of counting' s only for reference because many causes will effect different counting result which like : Light on/off, sunup/sunset, iris/diaphragm changing, video quality, weather, camera positions and human-operation.

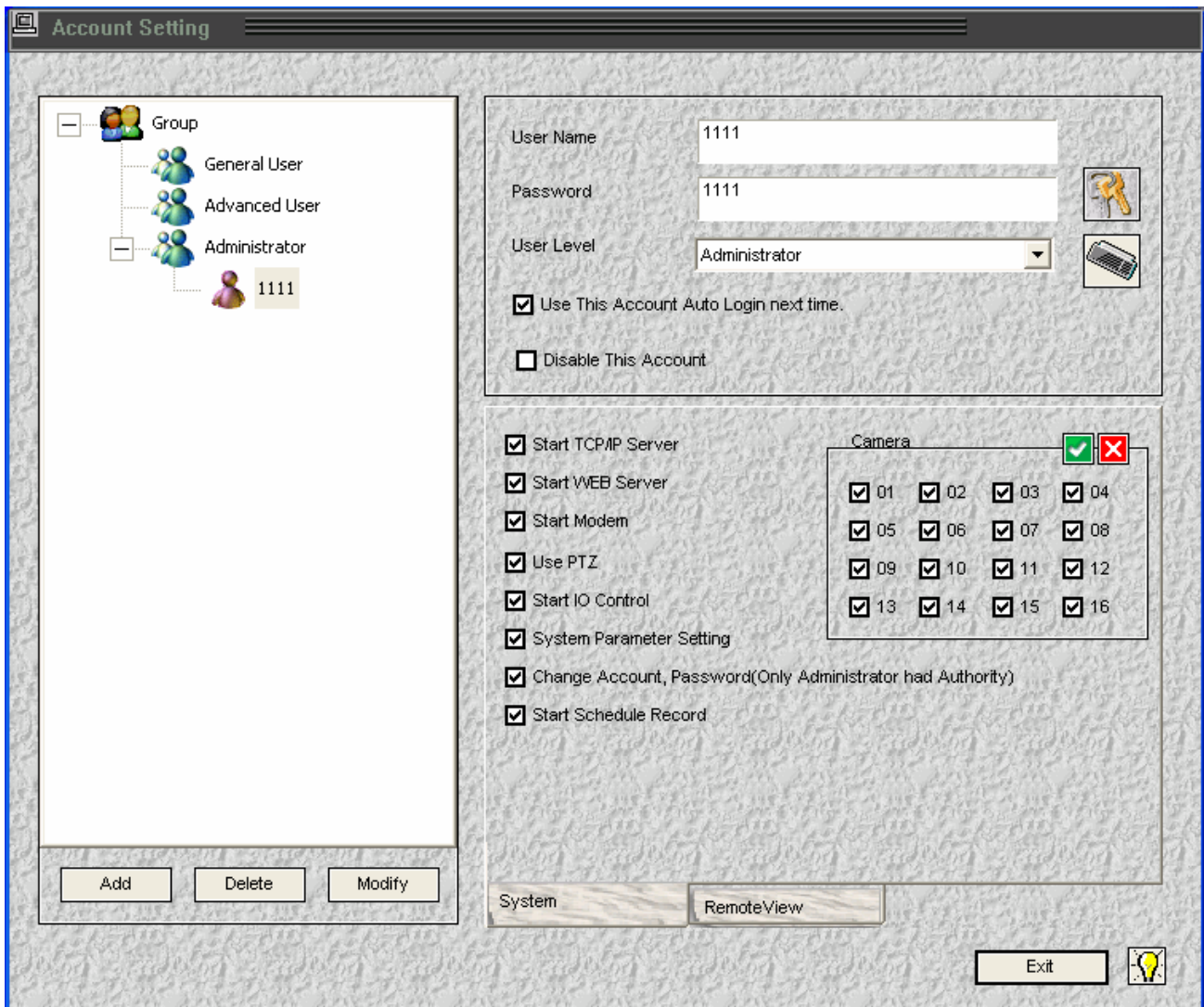
3-3-3 Account Setting



In the Main server user interface, click and then select "Account Setting" .

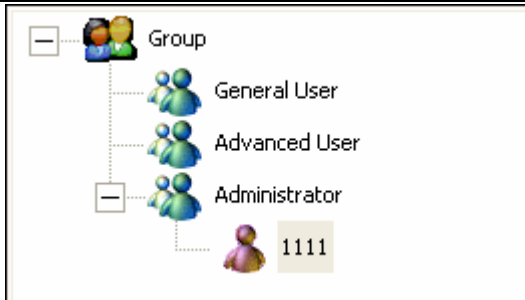


To enter the Account Setting as below.

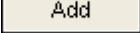
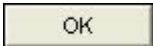



NOTE ! : In the setting menu, there' s a list which included one default Administrator "1111" . We recommended to modify this account name and password as soon as possible for security reasons. But please note that should have at least one Administrator or you' ll not be allowed to change the account settings again.


Account List : After add or delete the accounts, you can find them all in account list.





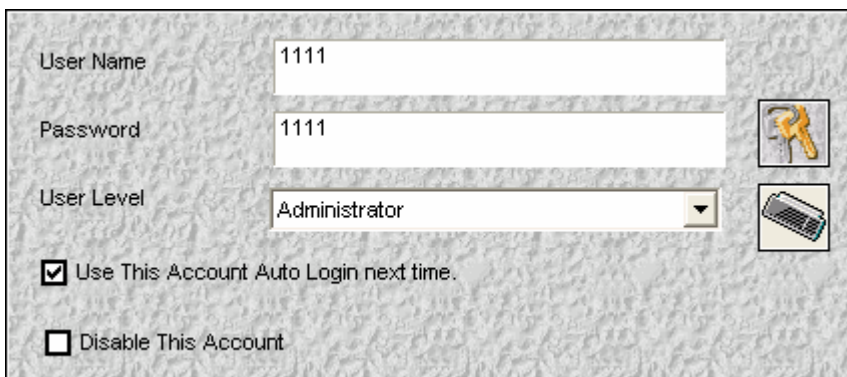
<Default Administrator : 1111>

How to add new account : Please click the  button to add a new account into list. Just choose the group of General User, Advanced User or Administrator. Then input the account name, password and check account settings. Finally press  to add into list.

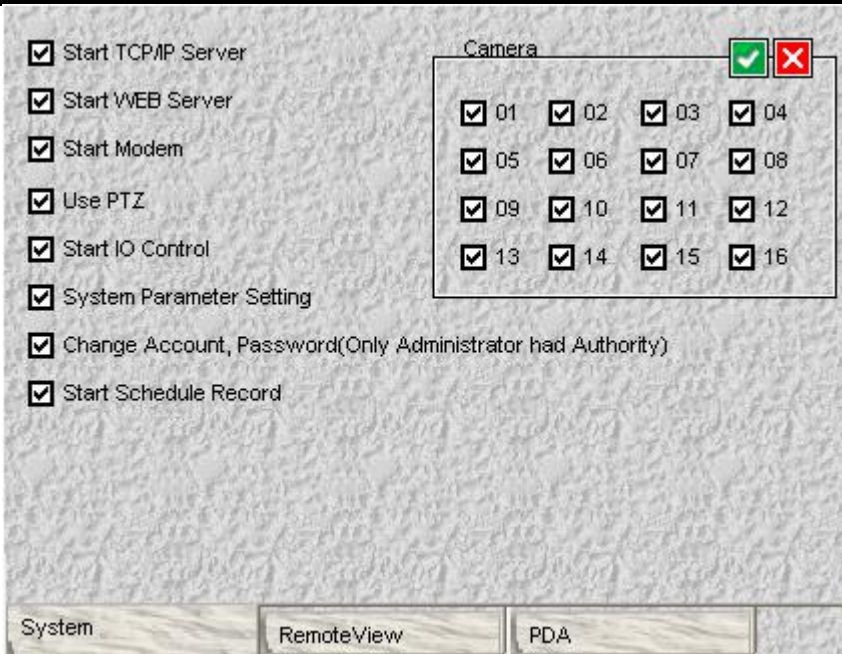
How to delete an account : Please click the account name in General User, Advanced User or Administrator group. Then press  to delete it from list.


How to modify an account : Please click the account name in General User, Advanced User or Administrator group. Then change the account name, password and account settings. Finally press  to save in list.

For users to input the account name, password and auto login function. Click  will transfer the password to **** symbols for hiding real words. Click  to enable the assistant keyboard to help users typing without materialized keyboard.



For users to setup the limits of authority of each account based on System or Remote View using.



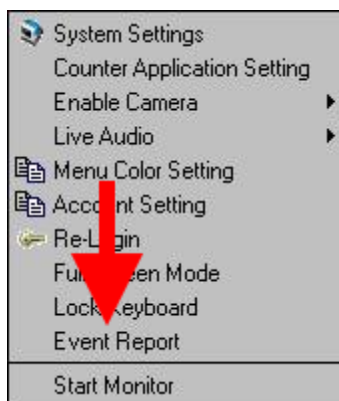
After the account settings finished, please press  to exit menu but please note the modify procedure should be finished at first and then just can exit.

3-3-4 Event Report

This function is mainly to show the alarm, motion detect events, login/out logs and object counting reports.



In the Main server user interface, click  and then select “Event Report” as below .



To enter the Event log View program as below.



The 'Event Log View' window has a blue title bar and a close button. It contains three tabs: 'Event Report' (selected), 'Login Report', and 'Counter Report'. Below the tabs are two sections: 'Time Range' and 'Camera'. The 'Time Range' section has 'Start' and 'Stop' fields, each with a date and time dropdown. The 'Camera' section has a grid of checkboxes for cameras 01 through 16, with a green checkmark icon and a red X icon to the right. A 'Start Find' button is located below the camera section. Below these sections is a table with columns: '#', 'Time', 'Camera', 'IO Alarm', 'Disk Full', 'No Singnal', and 'Motion'. The table is currently empty. At the bottom right is an 'OK' button.

NOTE ! : Please DO NOT set the time for too long or the process will spend much time to search the log events.



<EVENT REPORT>

This section shows the 'Time Range' filters. The 'Start' field is set to '10/31/2006' and '4:56:40 PM'. The 'Stop' field is set to '11/ 2/2006' and '4:56:40 PM'.


Firstly please select the time of event log searching.

This section shows the 'Camera' selection grid. All cameras (01-16) are checked. To the right of the grid are a green checkmark icon and a red X icon.

And then please select the cameras for event log

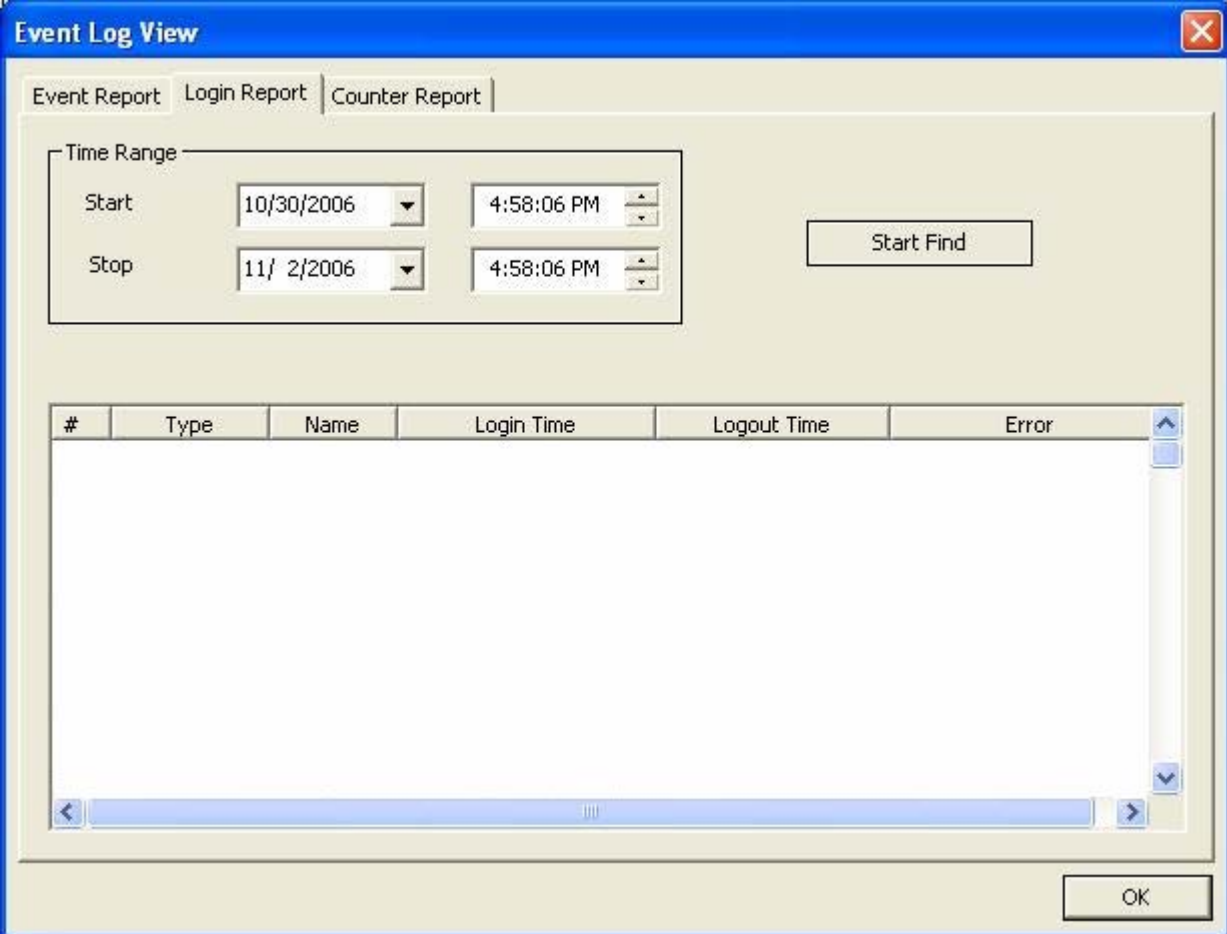
searching. Click  to select all and click  to un-select all.



Finally please press  to search the event log in system, please wait for some time. After few time, it will show up the events on list window as below.

#	Time	Camera	IO Alarm	Disk Full	No Singnal	Motion
14811	2006/10/31 17:15:32	13	0	0	None	1
14812	2006/10/31 17:15:33	8	0	0	None	1
14813	2006/10/31 17:15:33	1	0	0	None	1
14814	2006/10/31 17:15:33	15	0	0	None	1
14815	2006/10/31 17:15:33	16	0	0	None	1
14816	2006/10/31 17:15:33	9	0	0	None	1

<LOGIN REPORT>




The 'Event Log View' window has three tabs: 'Event Report', 'Login Report' (selected), and 'Counter Report'. The 'Time Range' section contains 'Start' (10/30/2006 4:58:06 PM) and 'Stop' (11/ 2/2006 4:58:06 PM) fields, with a 'Start Find' button to the right. Below is a table with columns: #, Type, Name, Login Time, Logout Time, and Error. The table is currently empty. An 'OK' button is at the bottom right.



The 'Time Range' window shows 'Start' (10/31/2006 4:56:40 PM) and 'Stop' (11/ 2/2006 4:56:40 PM) fields.

Firstly please select the time of login log searching.

And then please press  to search the login log in system, please wait for some time. After few time, it will show up the login logs on list window as below.



#	Type	Name	Login Time	Logout Time	Error
9	LOCAL	1111	2006/10/31 15:39:53	2006/10/31 16:47:20	No
10	LOCAL	1111	2006/10/31 16:48:31	Not Logout	No
11	REMOTE	1111	2006/10/31 17:22:27	Not Logout	No
12	REMOTE	1111	2006/10/31 17:22:27	Not Logout	No
13	REMOTE	1111	2006/10/31 17:22:27	Not Logout	No
14	REMOTE	1111	2006/10/31 17:22:27	Not Logout	No

<COUNTER REPORT>

Event Log View

Event Report | Login Report | Counter Report

Time Range

Start10/31/200610:00:54 AM

Stop11/ 2/200610:00:54 AM

Camera

☒ 01☒ 02☒ 03☒ 04

☒ 05☒ 06☒ 07☒ 08

☒ 09☒ 10☒ 11☒ 12

☒ 13☒ 14☒ 15☒ 16

☒☒

Start Find

#	Start	Stop	Camera	In	Out
---	-------	------	--------	----	-----

OK

Time Range

Start10/31/20064:56:40 PM

Stop11/ 2/20064:56:40 PM

Firstly please select the time of counter log searching.

Camera

☒ 01☒ 02☒ 03☒ 04

☒ 05☒ 06☒ 07☒ 08

☒ 09☒ 10☒ 11☒ 12


☒ 13☒ 14☒ 15☒ 16

☒☒

And then please select the cameras for counter log searching. Click ☒ to select all and click ☒ to



un-select all.

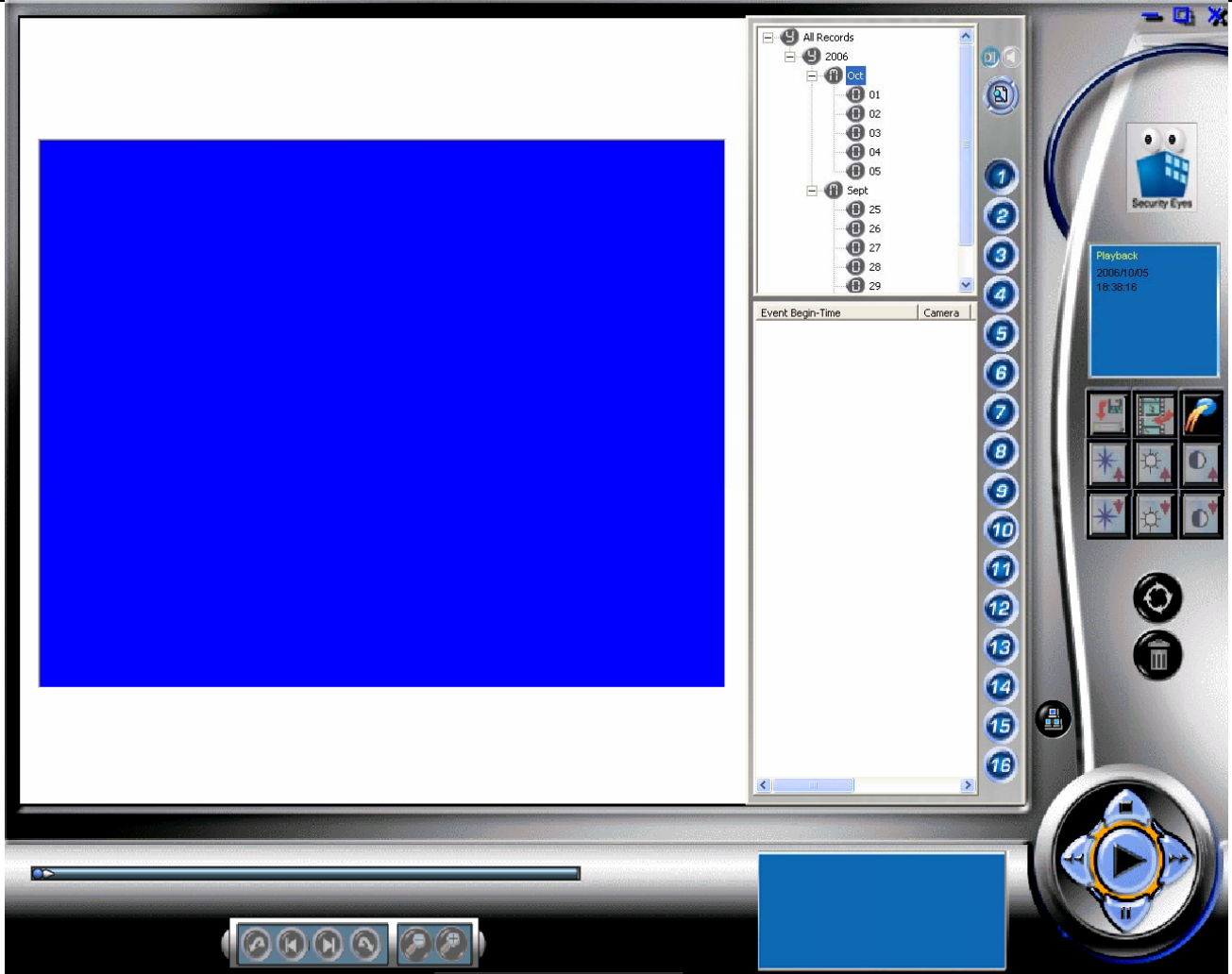
Finally please press  to search the counter log in system, please wait for some time. After few time, it will show up the counter logs on list window as below.

#	Start	Stop	Camera	In	Out
1	2006/10/31 16:42:47	2006/10/31 16:43:47	2	0	0
2	2006/10/31 16:42:48	2006/10/31 16:43:47	3	0	0
3	2006/10/31 16:42:47	2006/10/31 16:43:48	4	1	12
4	2006/10/31 16:42:48	2006/10/31 16:43:48	1	0	0
5	2006/10/31 16:43:48	2006/10/31 16:44:48	2	0	0
6	2006/10/31 16:43:48	2006/10/31 16:44:48	3	0	0
7	2006/10/31 16:43:48	2006/10/31 16:44:48	4	1	6
8	2006/10/31 16:43:48	2006/10/31 16:44:48	1	0	1
9	2006/10/31 16:44:48	2006/10/31 16:45:47	2	0	0
10	2006/10/31 16:44:48	2006/10/31 16:45:48	3	0	0
11	2006/10/31 16:44:48	2006/10/31 16:45:47	4	0	0
12	2006/10/31 16:44:48	2006/10/31 16:45:48	1	0	0


3-3-5 Playback system



In the Main server user interface, click  to enter the Playback program as below.



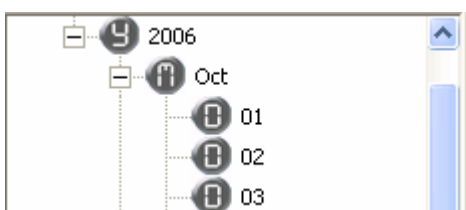
NOTE ! : All the files and database only can be deleted in Playback program. Please don' t delete or remove the files or database in Windows File Explorer or other ways or the database may be broken and then cannot work well.

NOTE ! : This program supports SINGLE and MULTI playback, please press  button to change the playback mode between them.






[] Single Playback

The first time to playback, we suggested to learn how to search the file as you want. Firstly we have to select the date included the recorded files. You can check the date list as below, please select the month and day items.

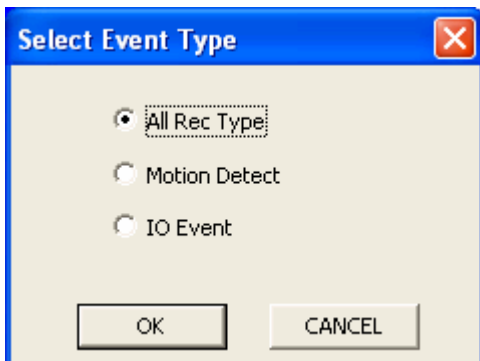




Click  to show the files list which only included VIDEO, click  to show the files list which included VIDEO + AUDIO (if the hardware supports capturing audio) .







Click the camera number  to show the files of the camera recording.

Of course we can arrange the list by click  to enter the “Event Search” function as below :







Select “Motion Detect” and press OK will show the file list based on MD Recording mode. Select “IO Event” and press OK will show the files list based on IO Detect Recording mode.

Finally we can select one file to playback in the file list as below.

Event Begin-Time	Camera
 00:00:50 - Sept 26, 2006	02
 00:01:49 - Sept 26, 2006	02
 00:07:21 - Sept 26, 2006	02
 00:09:47 - Sept 26, 2006	02
 00:10:01 - Sept 26, 2006	02
 00:16:03 - Sept 26, 2006	02

Click  to start playback process.

Click  to stop, click  to pause.

Please note that click  is speed-up the playback (up to 8X) and click  is speed-low the playback (from 1/2 to 1/8) .

Besides, we can check the status of the playback file at below window. This window' s showing all the detail information of the playback file.



X 1
Begin: 2006, Sept 26-- 00:01:21

End: 2006, Sept 26-- 00:02:30
Total Time 00:00H:01M:09S
2006/09/26 00:01:25:562

The first line "X1" means the playback speed.

We can move to some point time to check what I want to see by mouse dragging the slide bar as below.



Click to increase the sharpness, click



to decrease it.



Click to increase the brightness, click



to decrease it.



Click to increase the contrast, click



to decrease it.



Click to REPEAT the playback.



Click to delete the file.



Click to save the AVI file to another disk, folder or portable storage devices.





Click to snapshot one picture of the playback video.





Click to exit and close the playback program, then back to the surveillance main program to see the live previewing.




Click  to play the last file on list, click  to play the next file on list.

Click  to move forward to previous 1 frame of the playback video, click  to move after 1 frame of the playback video.

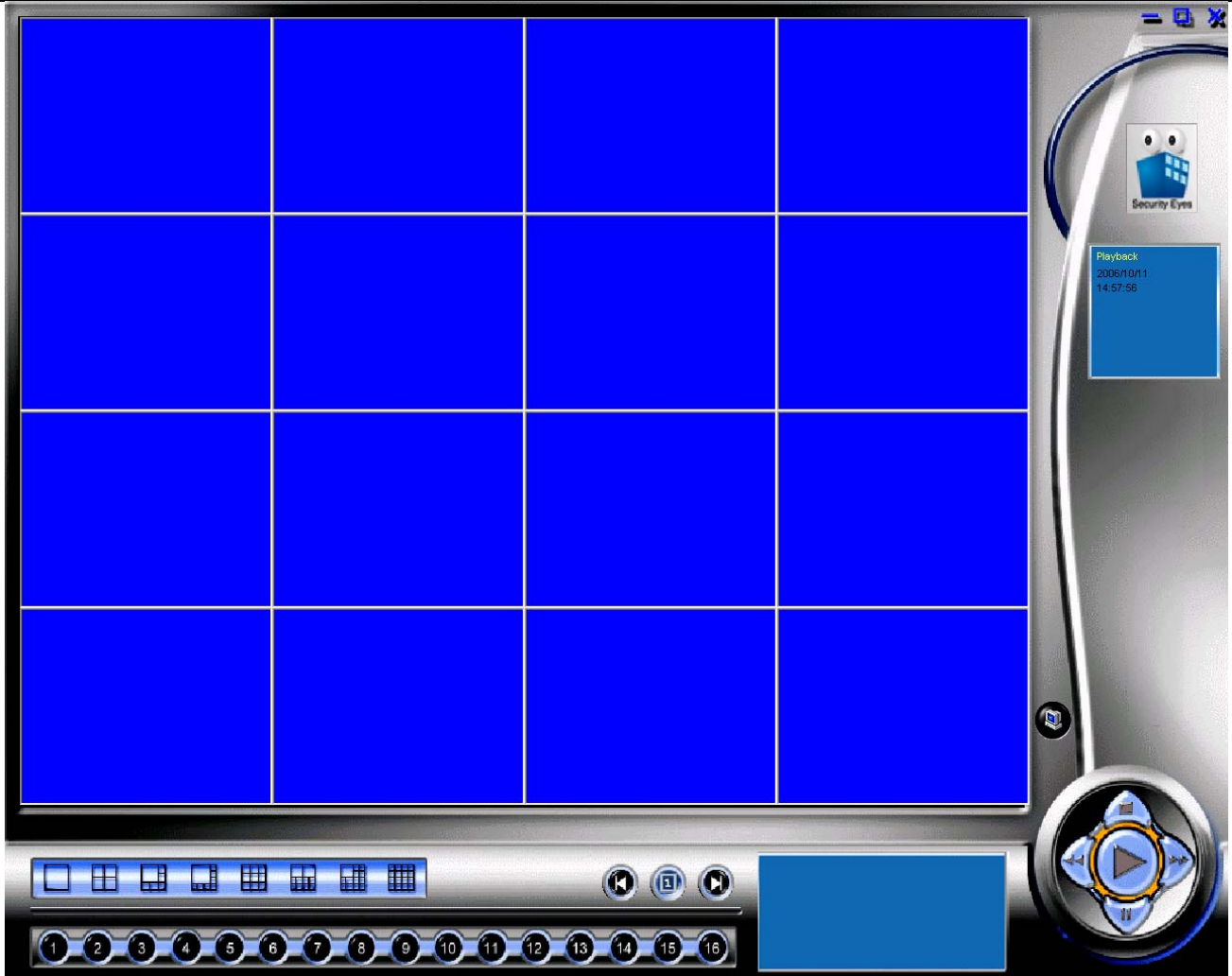
Click  to enlarge the image of the playback video, click  to reduce the image.


NOTE ! : Please be advised that above step-forward/back, enlarge/reduce, save to avi and delete functions better be used under STOP or PAUSE playback status or the files may be broken by unexpected errors.



[] Multi Playback

Under SINGLE playback mode, click  and then change to Multi-Playback mode as below.

Under MULTI playback mode, click  will back to SINGLE playback program.



NOTE ! : Under MULTI playback mode, please click  to exit the playback program.

Or you can go back to the SINGLE playback program to click  and then back to live previewing. Both ways were okay to exit the playback. Firstly we have to set a time period of the recorded video to do multi-playback by click  as below.



Advanced

Time Interval

Start Time: 12/ 7/2006 1:59:14 PM End Time: 12/ 7/2006 2:04:14 PM

Camera List:

<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	4
<input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/>	6	<input checked="" type="checkbox"/>	7	<input checked="" type="checkbox"/>	8
<input checked="" type="checkbox"/>	9	<input checked="" type="checkbox"/>	10	<input checked="" type="checkbox"/>	11	<input checked="" type="checkbox"/>	12
<input checked="" type="checkbox"/>	13	<input checked="" type="checkbox"/>	14	<input checked="" type="checkbox"/>	15	<input checked="" type="checkbox"/>	16

Audio Select:

<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4
<input type="checkbox"/>	5	<input type="checkbox"/>	6	<input type="checkbox"/>	7	<input type="checkbox"/>	8
<input type="checkbox"/>	9	<input type="checkbox"/>	10	<input type="checkbox"/>	11	<input type="checkbox"/>	12
<input type="checkbox"/>	13	<input type="checkbox"/>	14	<input type="checkbox"/>	15	<input type="checkbox"/>	16

Audio Option: ☒ Enable ☐ Disable


OK CANCEL

To select the items and then click “OK” to search in database.



Only one point we had to note about multi-playback system : The multi-playback program only can access the searching at THE SAME day in 24 hours. If we want to check the recorded files between different dates will not be allowed to search.

This limit of multi-playback searching was because of the database will be very busy if big range searching of the multi-channels at the same time. For stably working system, we just set the limit in the searching function under multi-playback mode.





Click  to start multi-playback process.




Click  to stop, click  to pause.



Please note that click  is speed-up the playback (up to 8X) and click  is speed-low the playback (from 1/2 to 1/8) .



Click  to move forward to previous 1 frame of the multi-playback video, click



to move after 1 frame of the multi-playback video.

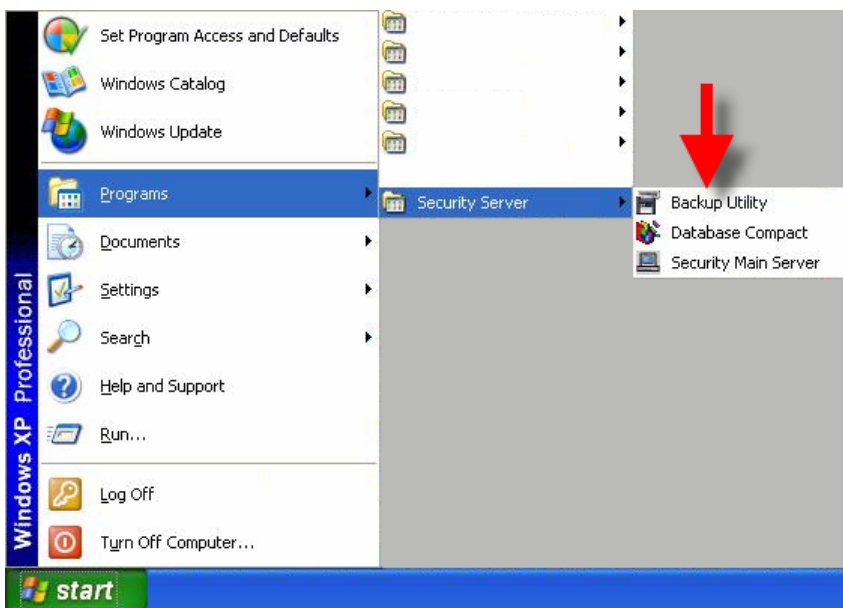
NOTE ! : Please be advised that above step-forward/backward should be used under STOP or PAUSE playback status.

3-4. The Backup Utility of SecurityEyes Main (Server) software

3-4-1 How to startup the Backup Utility

Turn off the MONITORING of SecurityEyes Main (Server) .

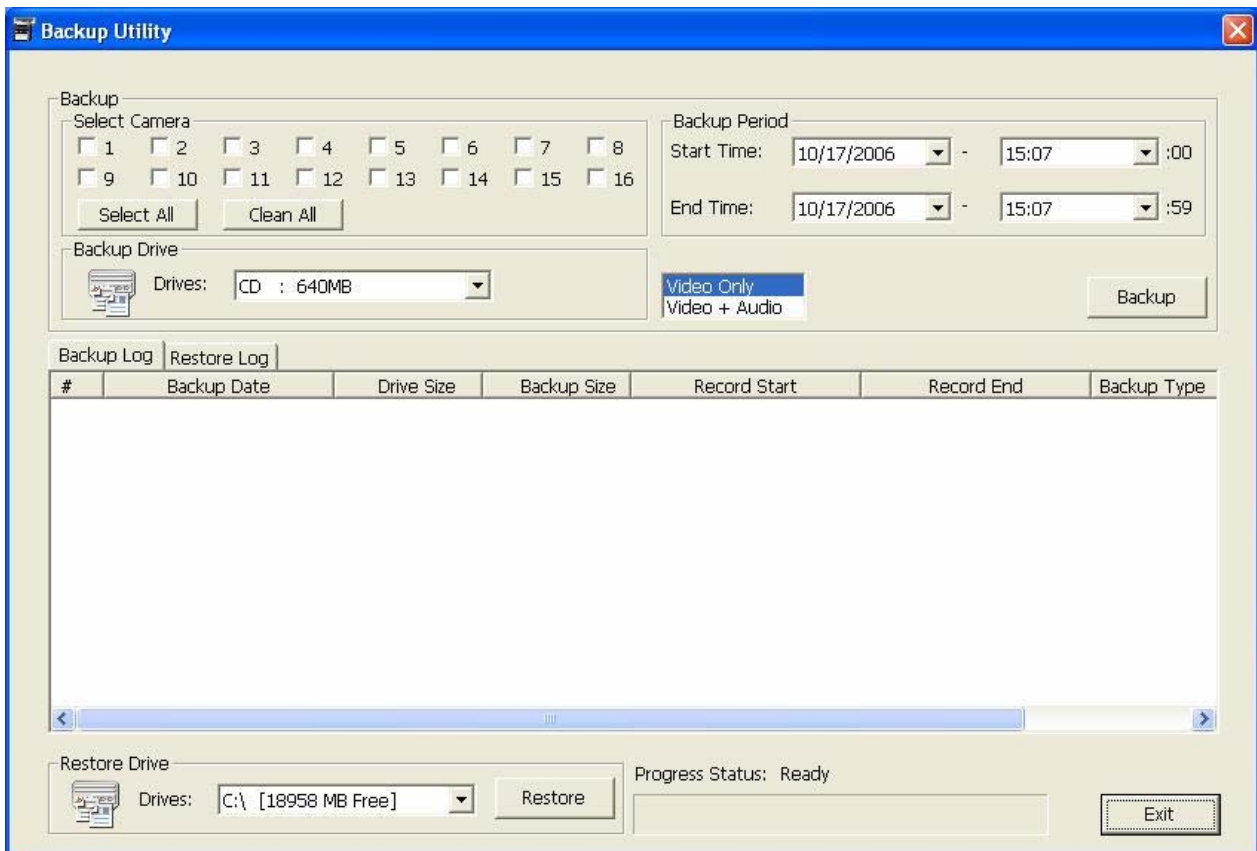
Please click START → PROGRAMS → SECURITY SERVER → BACKUP UTILITY



This function was used to backup the video or audio+video files which recorded by SecurityEyes software. It cannot be used to backup other files of other software. We strongly recommended DO NOT use other methods of backup the recorded files or the whole files will be damaged. Please use BACKUP UTILITY to do backup.



3-4-2 How to backup the recorded files



After startup, you can see above backup program window.

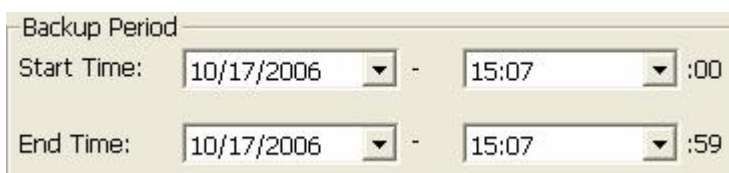
The program supports two ways to backup, one is backup to harddisk and the other is backup to CD/DVD burner.

Backup to harddisk :

Step 1 : To check the box of the camera number and select the cameras for backup.



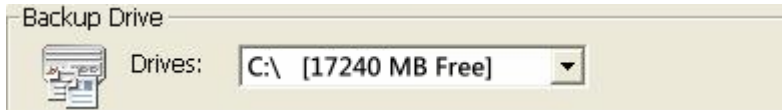
Step 2 : To select the date and time for backup period. Please note that file size will be about 300 MB for total 16 cameras recorded with audio for 1 hour.



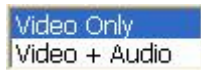
Step 3 : To select one harddisk space in your system for backup drive. Please DO select

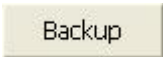


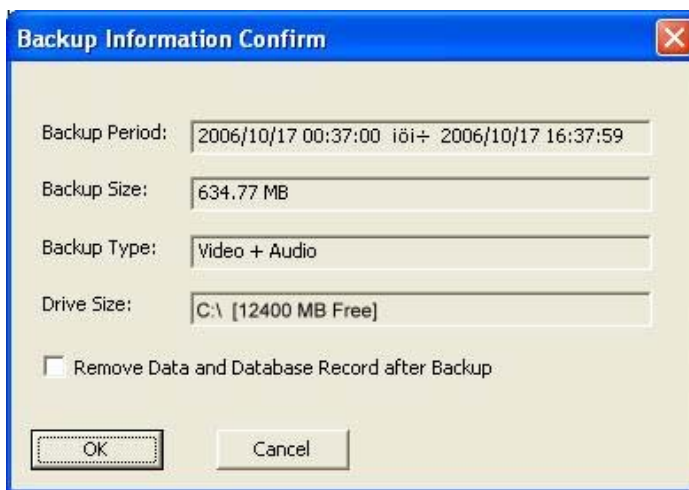
enough storage to backup.





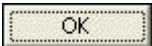
Step 4 : To select the backup files which included video only or video+audio.



Step 5 : Click  to start backup procedure. It will take few time, please wait for it finish and prompt below window.



Step 6 : Check the box of  will delete all recorded files and database after click . Please DO think about it if you still need the recorded files or database.

Step 7 : After click , please go to the drive or folder as set to backup and then check the backup' s done or not. Please note that the backup files cannot be deleted or changed which included the file name and format, or you may not restore them back later.

Backup to CD/DVD burner :

To take CD burner and Nero™ software for an example to backup in this chapter.

Step 1 : To check the box of the camera number and select the cameras for backup.



Select Camera

<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8
<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> 12	<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16

Select All Clean All

Step 2 : To select the date and time for backup period. Please note that file size will be about 300 MB for total 16 cameras recorded with audio for 1 hour. For general CD burning, the space' s about 640 MB.

Backup Period

Start Time: 10/17/2006 - 15:07 :00

End Time: 10/17/2006 - 15:07 :59

Step 3 : To select 『CD : 640MB』 for backup storage and then put the recordable CD into the drive in system.

Backup Drive

Drives: CD : 640MB

Step 4 : To select the backup files which included video only or video+audio.

Video Only
Video + Audio

Step 5 : Click Backup to start backup procedure. It will take few time, please wait for it finish and prompt below window. Please note that Backup Size as below picture, please click Cancel if the size over 640 MB.

Backup Information Confirm

Backup Period: 2006/10/17 00:37:00 - 2006/10/17 16:37:59

Backup Size: 634.77 MB


Backup Type: Video + Audio


Drive Size: CD Disc : 640 MB

☐ Remove Data and Database Record after Backup


OK Cancel



Step 6 : Check the box of ☐ Remove Data and Database Record after Backup will delete all recorded files and database after click . Please DO think about it if you still need the recorded files or database.

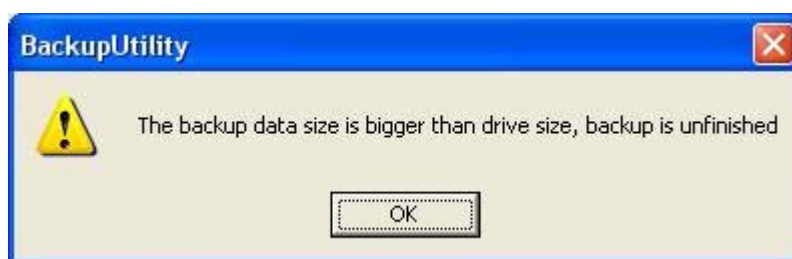
Step 7 : After above step, you' ll see below prompt message. Please DO NOT click . At the meantime, please start-up Nero™ software to burn a CD.



Step 8 : After Nero™ software running, please select to burn a 『DATA CD』 and then the Nero™ will prompt to ask for adding files to burn. Then you' ll see the backup files were already in the list. Just follow general step to click “Next” and burn the CD. If you don' t see any files in the burning list, just click the right button of mouse and press 『PASTE』 to copy the files into the list. Now you can press  at above window if the backup files were already in the Nero™ burning list.

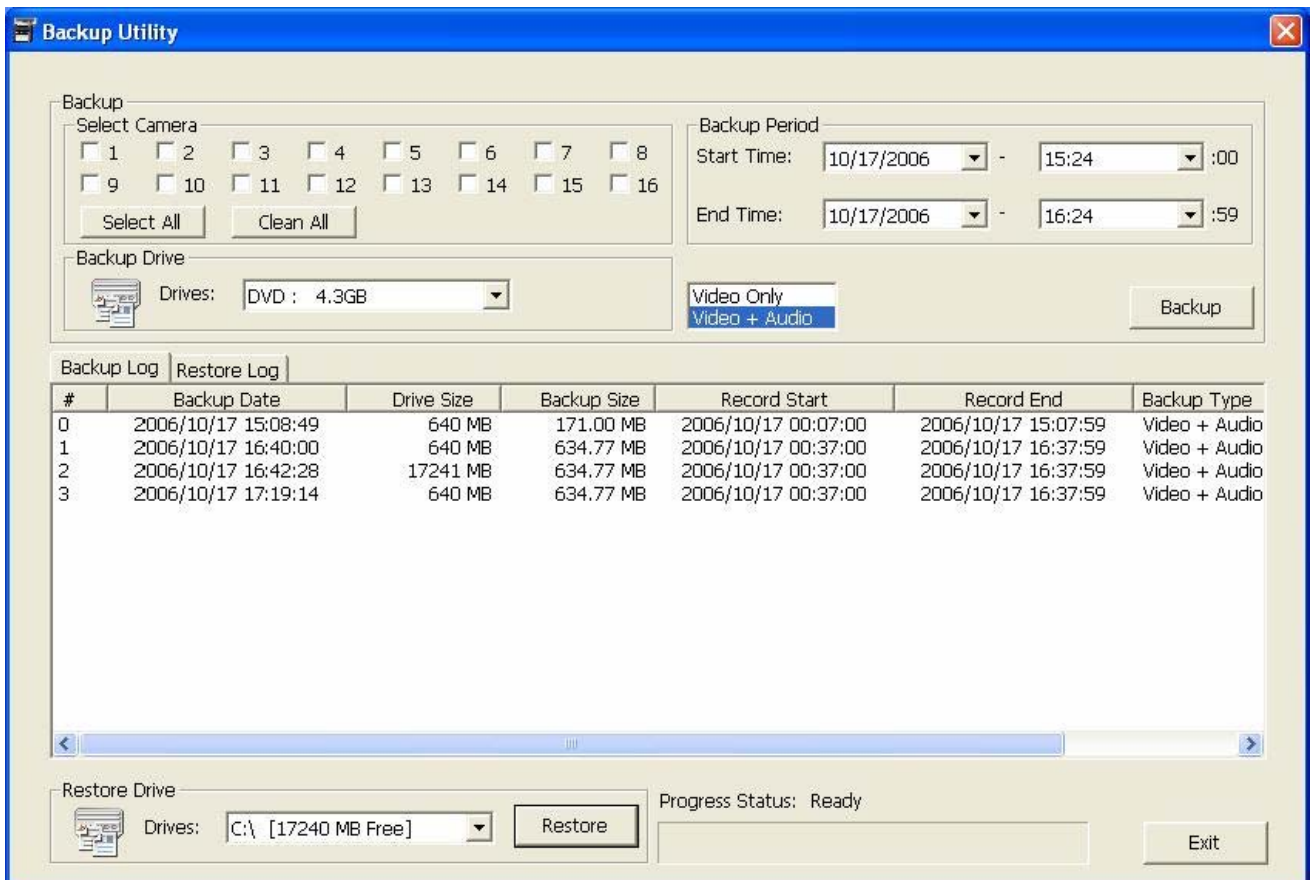


NOTE ! : In the backup steps, it means the backup size was bigger than the backup drive or device. Please click to re-select the items and then backup again.





3-4-3 How to restore the backup files

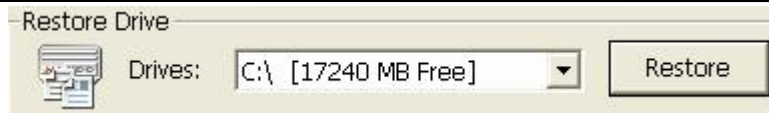


After startup, you can see above backup program window. The program supports two ways to restore from backup file from hddisk or CD/DVD burner. Firstly we recommended to check the Backup Log for your restoring history as below if you want to restore from local disk.

#	Backup Date	Drive Size	Backup Size	Record Start	Record End	Backup Type
0	2006/10/17 15:08:49	640 MB	171.00 MB	2006/10/17 00:07:00	2006/10/17 15:07:59	Video + Audio
1	2006/10/17 16:40:00	640 MB	634.77 MB	2006/10/17 00:37:00	2006/10/17 16:37:59	Video + Audio
2	2006/10/17 16:42:28	17241 MB	634.77 MB	2006/10/17 00:37:00	2006/10/17 16:37:59	Video + Audio
3	2006/10/17 17:19:14	640 MB	634.77 MB	2006/10/17 00:37:00	2006/10/17 16:37:59	Video + Audio

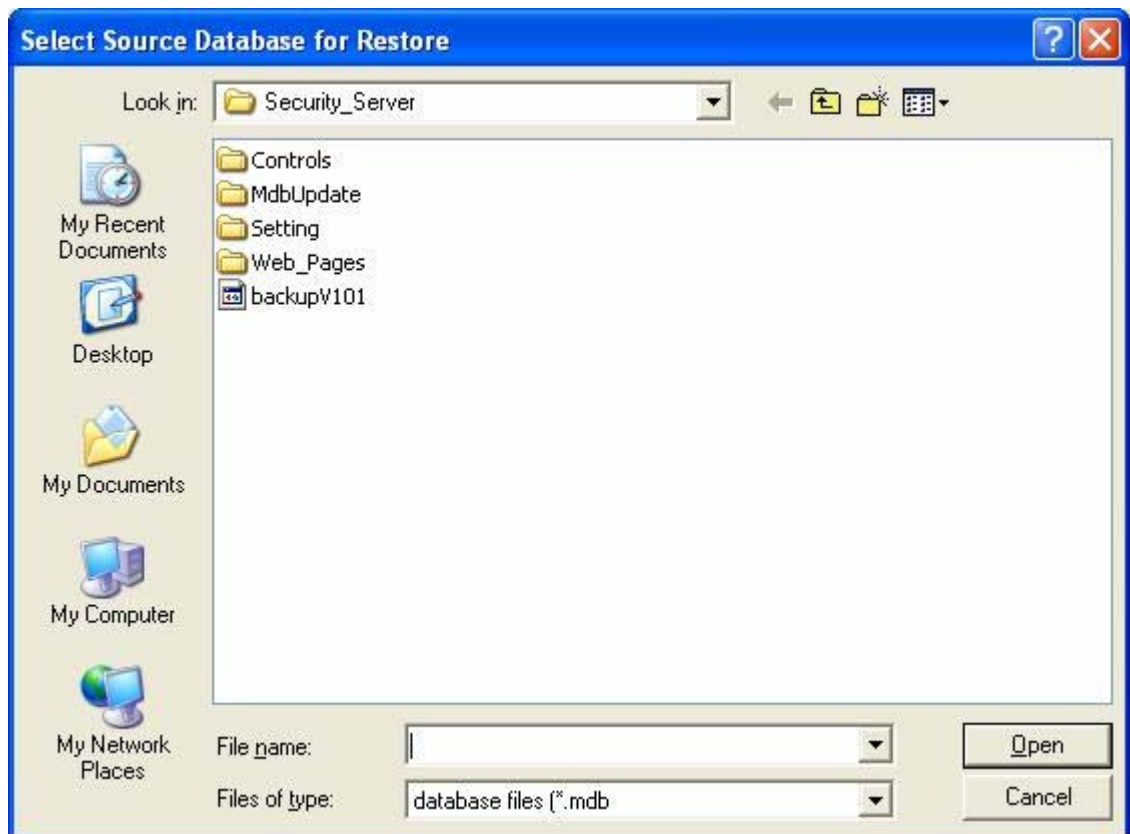
Restore steps :

Step 1 : To select the TARGET drive for restoring and then click .



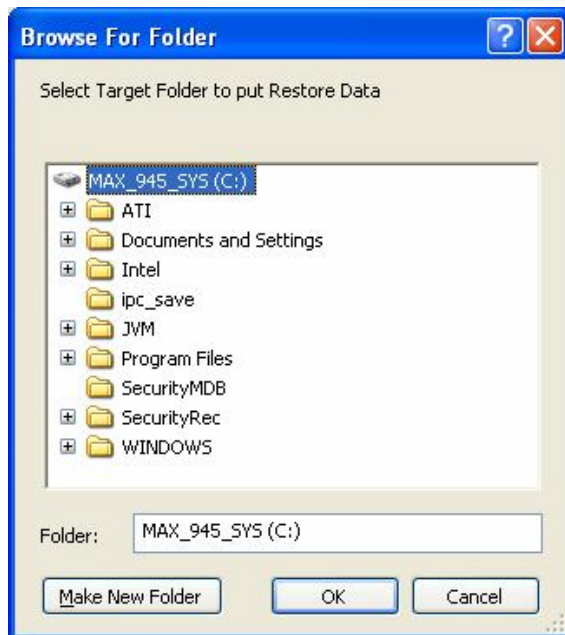
Step 2 : To select the database file (.mdb) which already been backup in disk and then click **Open**. Of course, it allows to select the database in CD/DVD.

Please note that file size should not over the space of target space. About how to know the backup file size, please check the Backup Log list.

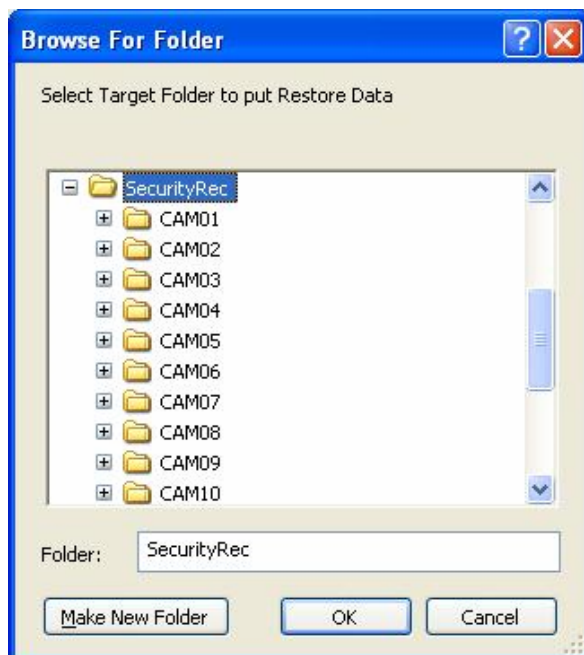


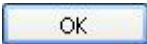
Step 3 : And then please select the folder or make a new folder to restore the backup files. To make a new folder, please press **Make New Folder**.

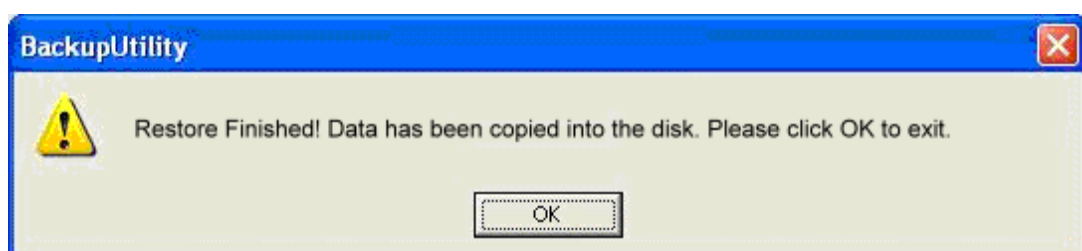
Click **OK** to start restoring.




Step 4 : If you want to restore the backup files back to playback list of SecurityEyes Main server, please restore to C:\SecurityRec\ as below.



Step 5 : After restoring finished, it will prompt a message to inform users. Please click  to continue.





NOTE ! : In the backup steps, it means the backup size was bigger than the backup drive or device. Please click  to re-select the items and then backup again.



3-5. The Database Compact of SecurityEyes Main (Server) software

3-5-1 What' s Database Compact ?

Database Compact program was designed to fast-scan and re-build the logs quickly to more compact and stable.

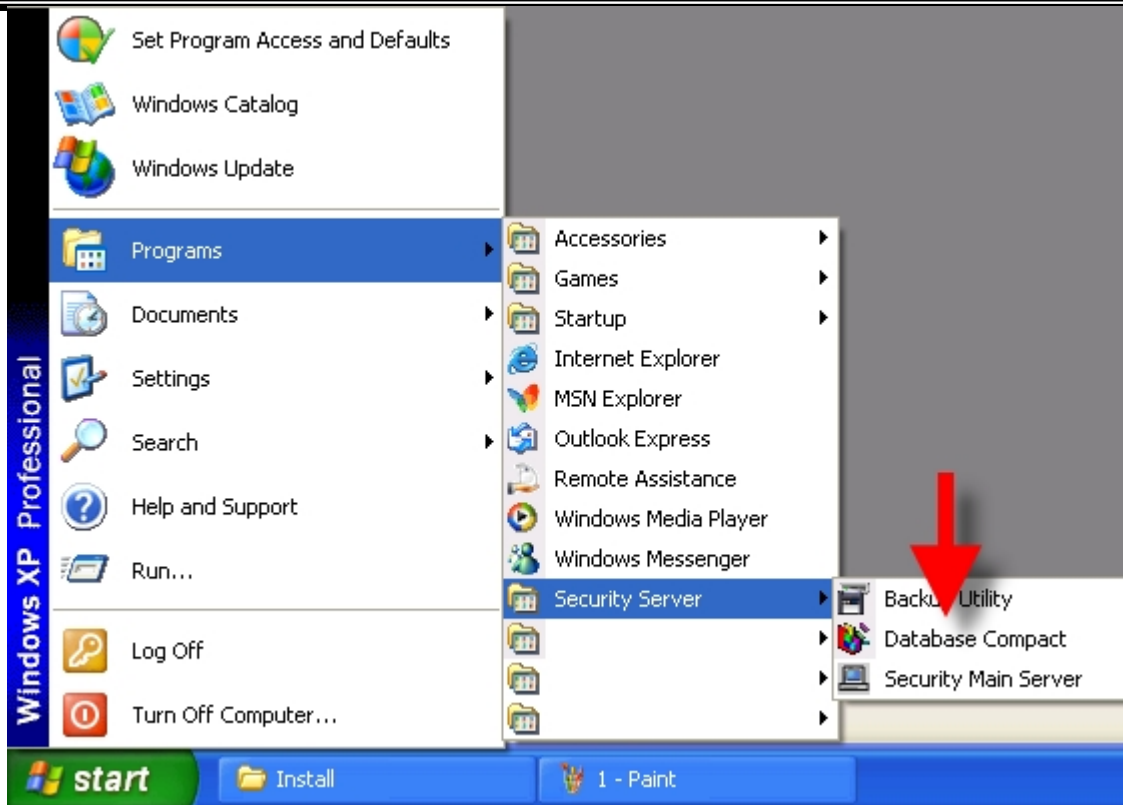
3-5-2 When need to do Database Compact ?

We suggested to run this program every half or one year. Especially to do it when you find some errors on playback or searching the recorded files. This may help to organize the database for playback. Usually to use it with “Lost File Recovery” program together.

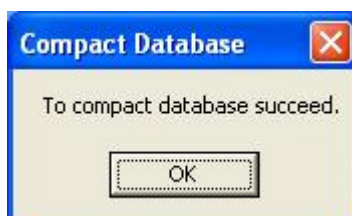
3-5-3 How to startup the Database Compact ?

Stop monitor and then turn off the SecurityEyes Main (Server) software.

Please click START → PROGRAMS → SECURITY SERVER → DATABASE COMPACT



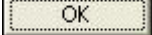
This function was used to compact the database which was recorded by SecurityEyes software. It cannot be used to compact other database files of other software. After press the Database Compact, please wait for few time to scan and compact. And then below message window will prompt to inform users :



Please click  to finish.

If you see below message window prompt on screen :



Please click  and then check the database again.

3-6. The Lost File Recovery of SecurityEyes Main (Server) software

3-6-1 What' s Lost File Recovery?

Lost File Recovery program was designed to fast-scan and re-build the lost recorded files.



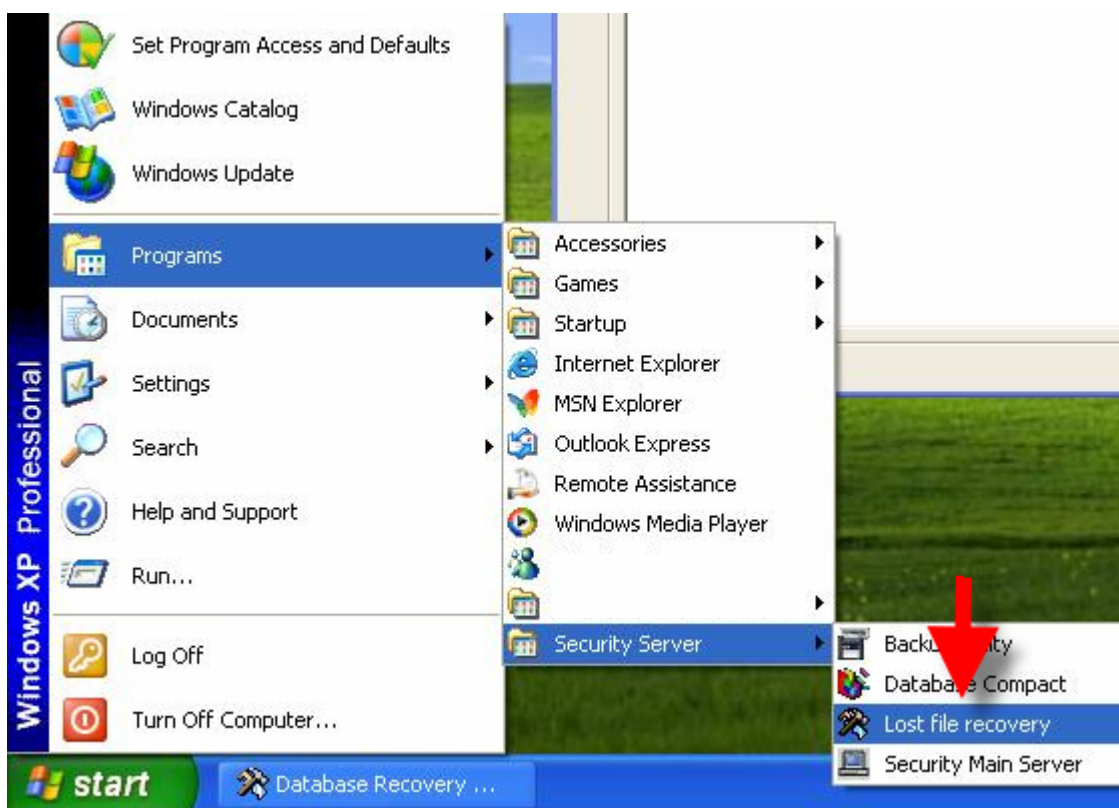
3-6-2 When need to do Lost File Recovery ?

We suggested to run this program especially when you find some errors on playback or searching the recorded files. This may help to search and re-build the lost recorded files for playback. Usually to use it with “Database Compact” program together.

3-6-3 How to startup the Lost File Recovery ?

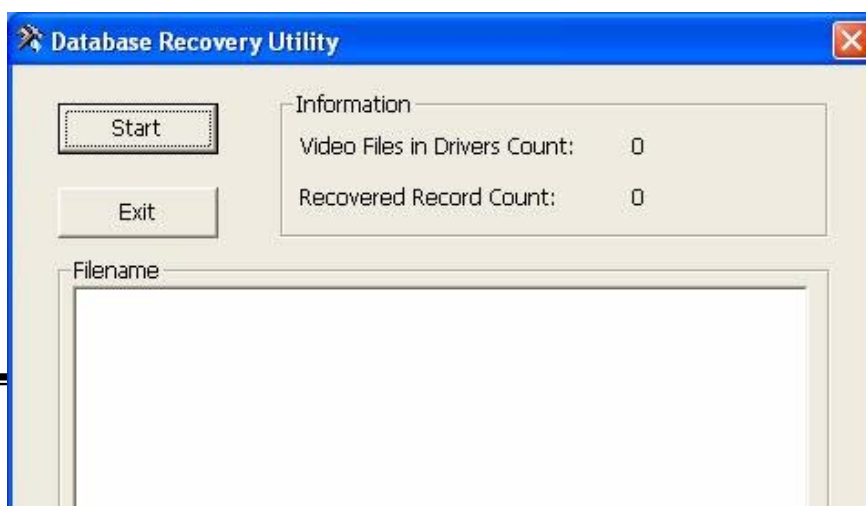
Stop monitor and then turn off the SecurityEyes Main (Server) software.

Please click START → PROGRAMS → SECURITY SERVER → LOST FILE RECOVERY

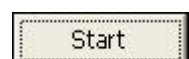


This function was used to recover the files which were recorded by SecurityEyes software. It cannot be used to recover other recorded files of other software.

After press the program to launch as below message window will prompt :



Please click

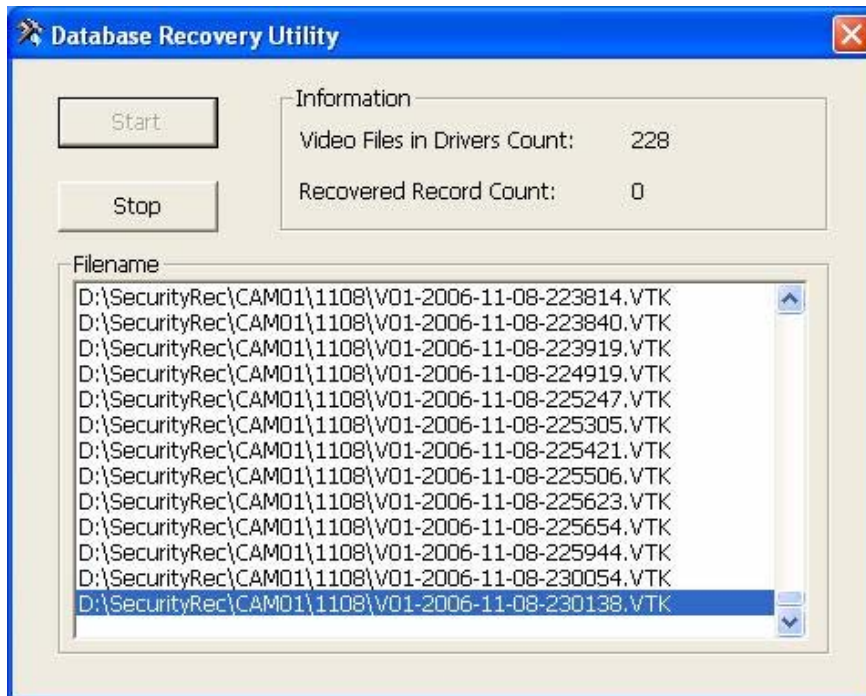





to

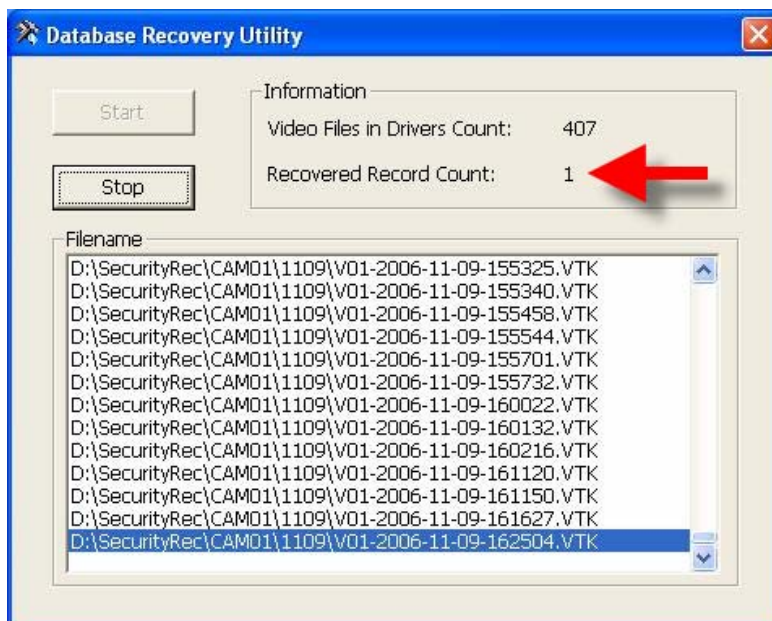
start the recover process.


After above, please wait for the recover process working as below window.

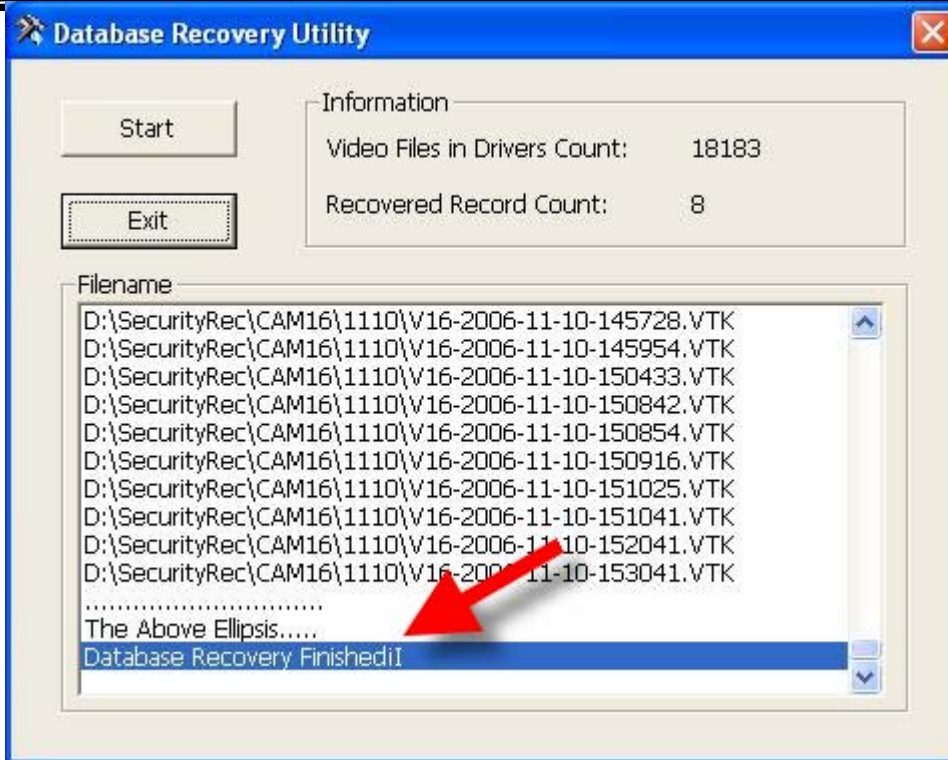


Click  will stop the recover process, please note it may cause some error of recovery.

It will show the recover result if the record file has an error which already been recovered as below.



It will prompt the finish message in list as below picture. Please click  to exit the “Lost File Recovery” program.



NOTE ! : Please DO NOT use other disk-rebuild or defragmenter to do anything on recorded files or the files may be damaged by unexpected errors.

4. Functions introduction of SecurityEyes software - Net Client

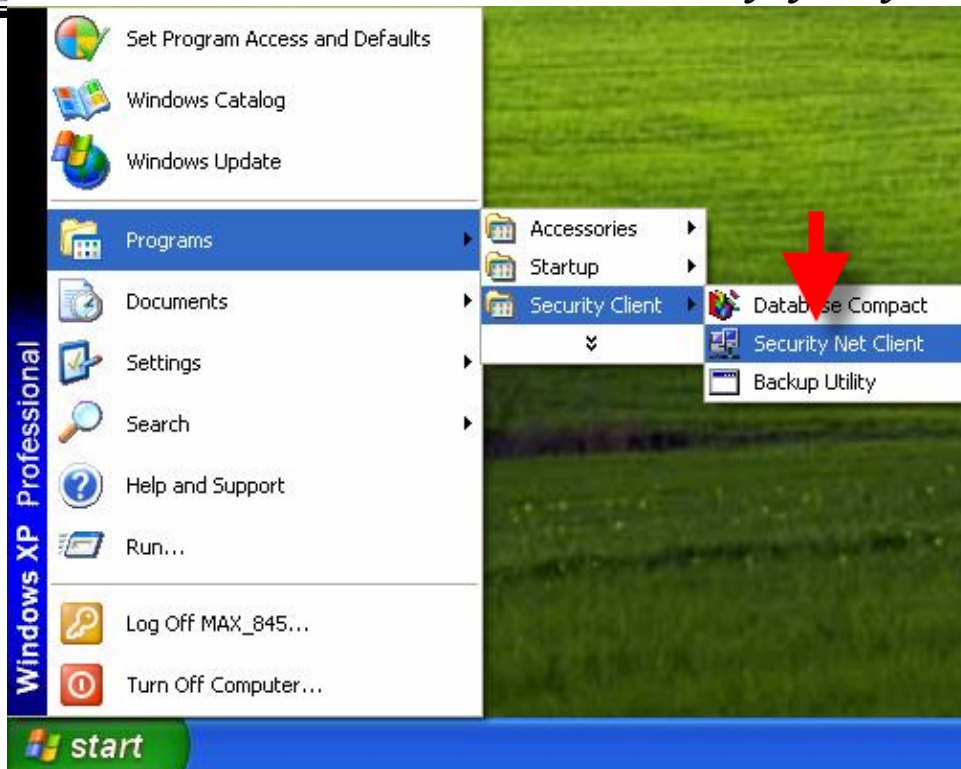
4-1. Summary introduction of SecurityEyes Net Client (Remote) software

This software was the remote software which supports Remote Surveillance functions. It can do record video/audio, local/remote playback, PTZ control, snapshot, remote-talking, multi-servers(CENTER) and Multicast monitoring under Lan network.

4-2. General introduction of SecurityEyes Net Client (Remote) software





4-2-1 How to startup the Net Client application software

Turn on the PC and wait for loading the operating system at little time.
Please click START → PROGRAMS → SECURITY CLIENT → SECURITY NET CLIENT




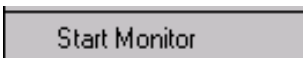











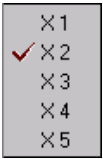


Before start to use Net Client software, please check the remote server functions in SecurityEyes Main server which were like : Multicast Server or TCP/IP Server was enabled or not. Net Client needs to connect with Main server via network transmission so please check them and then make sure the Main server has already been in START MONITOR status.






	<p>Quad Vision Modes : Select to display in 1, 4, 6, 8, 9, 10, 13, 16 quads view.</p>
	<p>Focused Camera Setting : Users can click the Camera Number to make it be the focused camera. Take  (6 Quads) for example, if you click camera number 9, the biggest preview window will be changed to Camera 9' s view. Others will be Camera 10, 11, 12, 13 & 14. Please note that you cannot make random permutation.</p>
	<p>Status Window : It will only show the data and time if no connection. After connected with server, it will show the Server, IP and CH.</p>



	<p>Connect Server :</p> <p>Click to get connection with servers which have already been set in settings.</p>
	<p>System Setting :</p> <p>Click to setup the Net Client system settings and will introduce later in this chapter.</p> <p>Event Report :</p> <p>Click to show the event report of remote client.</p>
	<p>Record :</p> <p>Click to record the video/audio from SecurityEyes Main servers via network transmission. Please note have to press</p> <p> to enable recording function.</p>
	<p>Connect Server Setting :</p> <p>Click to setup about how to connect with servers and will have a detail introduction later in this chapter.</p>
	<p>Switch Channel :</p> <p>Click to enable auto-switch channel.</p>
	<p>Playback :</p> <p>Click to start Local Playback or Remote Playback. We' ll introduce later in this chapter.</p>
	<p>Remote PTZ Control :</p> <p>Click to control the PTZ in server side.</p> <div><p>Camera 01  → Please select the correct camera number related to the PTZ.</p><p> : Move up  : Move down</p><p> : Left  : Right</p><p>Click  to adjust the speed of Auto-Patrol of</p><p>the PTZ as the picture .</p></div>



	<p>Zoom In Zoom Out : For users to control PTZ to Zoom-In or Zoom-Out.</p> <p>Focus Far Focus Near : For users to control PTZ to Focus-Far or Focus-Near.</p> <p>IRIS C IRIS O : For users to adjust Diaphragm more or less.</p>
	<p>Snapshot : Click to have a snapshot of the video and then you can save to disk or any storage device.</p>
	<p>Remote Talk : Click to send voice to server which been selected in list via microphone. Please install microphones on Net Client & Main server PC and make sure it can work at first. Please note that you' ll receive the voice from server automatically if you enable this function.</p>
	<p>Remote Speaker : Click to receive the surveillance audio of channel from SecurityEyes Main server which been selected in list via network transmission.</p>

4-3. Advanced Functions introduce of SecurityEyes Net Client



[] System **Properties** of Net Client

Press "System Properties" button will prompt two options for choosing.

System Setting
Event Report



Remote Setting

The screenshot shows the 'System Properties' dialog box with the 'Remote Setting' tab selected. The dialog has two tabs: 'Remote Setting' and 'Connect Setting'. The 'Remote Setting' tab contains several settings:

- ☒ Enable Direct Draw
- View Switch Time: 1 Second(s)
- Net Priority: Video
- Record File Divide Time: 10 m
- ☒ Enable Recycle
- Min Free Disk Space: 1300 MB
- Recycle Days: 90 Day
- Version: 3.004
- Save Path and Free Space table:

Save Path	Free Space
<input type="checkbox"/> C:\	26.12 GB
<input checked="" type="checkbox"/> D:\	27.20 GB
<input type="checkbox"/> E:\	13.34 GB
- ☒ Invoke Sound Alarm
- Wave 1 (dropdown menu)
- Play button


At the bottom are 'OK' and 'Cancel' buttons.

☒ Enable Direct Draw

Check the box to enable Direct Draw display if VGA card and driver supported this function.

View Switch 3 Second(s)



This setting' s related with , to set the time of camera switching from 1 to 10 seconds.

Net Priority Video

To set the priority of VIDEO or AUDIO for network transmission.

Record File Divide Time 10 m

To set the length of each recording file from 1 minute to 60 minutes.

To set the Recycle recording and the minimum free

☒ Enable Recycle

Min Free Disk Space 1300 MB



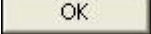
space for stabled working system. Please set this to 500MB at least.

To set the recycle days of EVENT reports.

Save Path	Free Space
<input type="checkbox"/> C:\	1.0 GB
<input checked="" type="checkbox"/> D:\	52.22 GB
<input type="checkbox"/> E:\	61.75 GB

Storage List : To check the box of disk which can be the storage of recording.

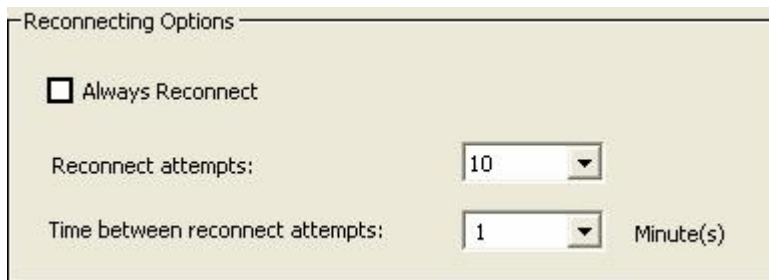
To enable the Sound Alarm of receiving MAIN (Server)' s motion detect or IO sensor events.

After all settings, please press  to apply and then just working.

Connect Setting



Reconnecting Options :

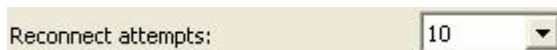


The 'Reconnecting Options' dialog box contains the following elements:

- A checkbox labeled 'Always Reconnect' which is currently unchecked.
- A label 'Reconnect attempts:' followed by a dropdown menu showing the value '10'.
- A label 'Time between reconnect attempts:' followed by a dropdown menu showing the value '1' and the text 'Minute(s)'.

This function is to reconnect with Main (Server) when the network connection' s bad or disconnected. Check the box of ☐ Always Reconnect to enable this function.

To set the frequency of reconnection attempting in

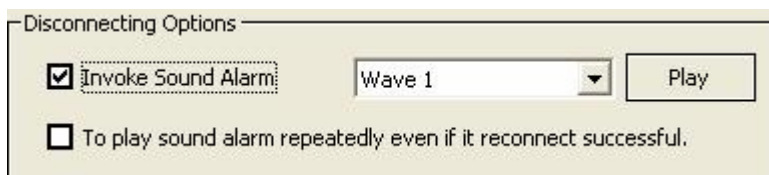


A close-up of the 'Reconnect attempts:' dropdown menu, showing the value '10'.

and then set the interval time between the

attempts in . Please click  to apply above settings.

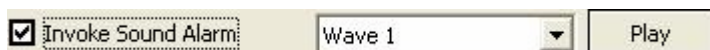
Disconnecting Options



The 'Disconnecting Options' dialog box contains the following elements:

- A checkbox labeled 'Invoke Sound Alarm' which is checked.
- A dropdown menu next to it showing 'Wave 1'.
- A 'Play' button next to the dropdown.
- A checkbox labeled 'To play sound alarm repeatedly even if it reconnect successful.' which is unchecked.

This function is to send alarm out when the network' s disconnected. Check the box of



A close-up of the 'Invoke Sound Alarm' dropdown menu, showing the value 'Wave 1'.

to enable sound alarm for

disconnection. And then please click  to apply above settings.



Connect Server Setting of Net Client

Server Setting

Connect Server Setting

☒ Single Server ☐ Multi-Server

CH	Server Name	Channel	Connect Type
01		01	Video&Audio
02		02	Video&Audio
03		03	Video&Audio
04		04	Video&Audio
05		05	Video&Audio
06		06	Video&Audio
07		07	Video&Audio
08		08	Video&Audio
09		09	Video&Audio
10		10	Video&Audio
11		11	Video&Audio
12		12	Video&Audio
13		13	Video&Audio
14		14	Video&Audio
15		15	Video&Audio
16		16	Video&Audio

Edit Server

IP Address	Server Name	Login Name	Com
------------	-------------	------------	-----

Server Name: Quality:

IP Address:

User Name:

Password: Data Port:

Check Password:

Click ☒ **Single Server** will allow Net Client to connect ONE Main server only.
Click ☐ **Multi-Server** will allow Net Client to connect maximum 16 Main servers at the same time.

CH	Server Name	Channel	Connect Type
01	Test Server 1	01	Video&Audio
02		02	Video&Audio

Server List : Under SINGLE SERVER mode, only can select one server. Under Multi-Server mode, you can select maximum 16 servers for 16 channels to monitor.

Edit Server

IP Address	Server Name	Login Name	Com
192.168.0.1	Test Server 1	ADMINISTRATOR	

Server IP and login status list : All server and login settings will be showed on this list and then we can add, modify or delete the server.



Server Name Quality Auto ▼

IP Address Find LAN IP

User Name

Password Data Port

Check Password

Add Delete Modify

To input the Server Name into Server Name

To select the quality Quality Auto ▼ between Auto, Low or High quality.

To input the IP address of server into IP Address

User Name

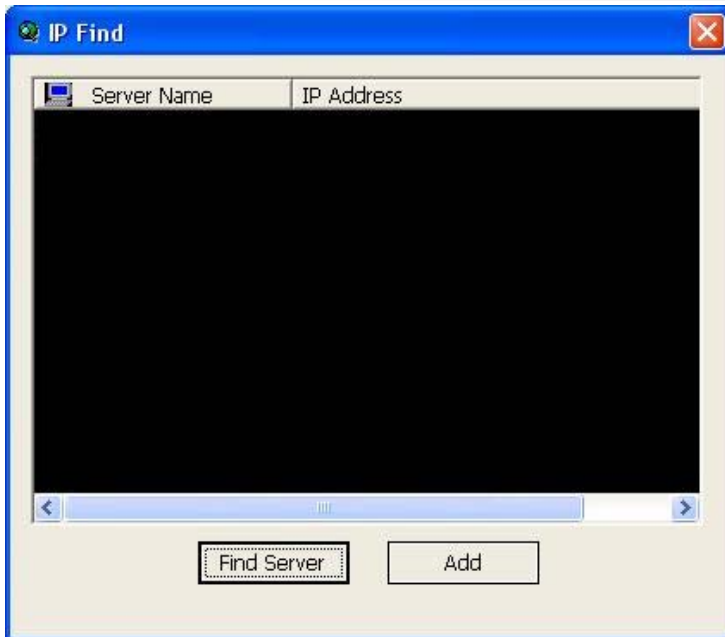
Password

Check Password

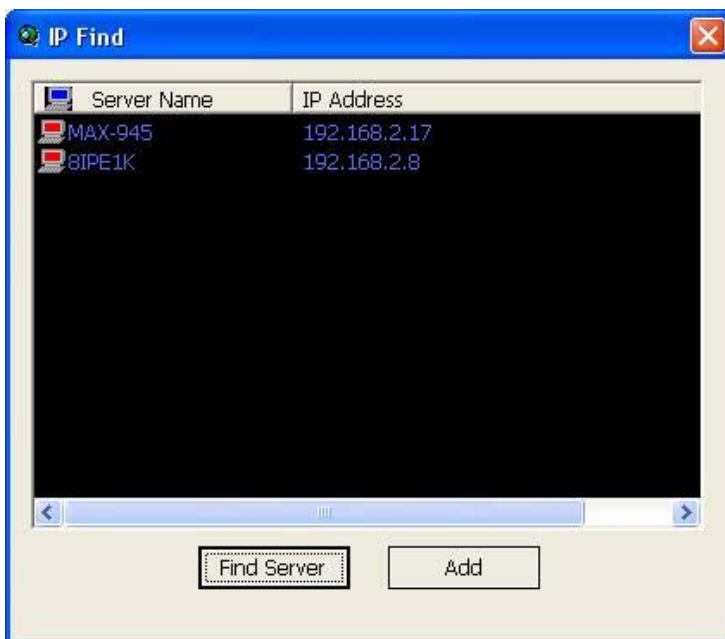
Input the User Name and Password and then you can change the transmission port of network Data Port . We suggested to keep default as the first time using.

Click Add to add into list, click Delete to delete from list, click Modify to modify the data which already been in list.

Click Find LAN IP will start to search the SecurityEyes Main servers in LAN as below.



Click **Find Server** to auto-search the SecurityEyes Main server under LAN network. The result will show on list as below.



Just use mouse to select one server and then click **Add** will add into the server list.

How to setup for connecting with server - Demo Example

Please launch SecurityEyes Net Client (Remote) software and press  button.



Server Setting

Connect Server Setting

☒ Single Server ☐ Multi-Server

CH	Server Name	Channel	Connect Type
01		01	Video&Audio
02		02	Video&Audio
03		03	Video&Audio
04		04	Video&Audio
05		05	Video&Audio
06		06	Video&Audio
07		07	Video&Audio
08		08	Video&Audio
09		09	Video&Audio
10		10	Video&Audio
11		11	Video&Audio
12		12	Video&Audio
13		13	Video&Audio
14		14	Video&Audio
15		15	Video&Audio
16		16	Video&Audio

Edit Server

IP Address	Server Name	Login Name	Com
------------	-------------	------------	-----

Server Name: [] Quality: Auto

IP Address: [] Find LAN IP

User Name: []

Password: [] Data Port: 7000

Check Password: []

Add Delete Modify

OK Cancel

Click ☒ Single Server will allow Net Client to connect ONE Main server only.

Click ☐ Multi-Server will allow Net Client to connect maximum 16 Main servers at the same time.

We took Multi-Servers for example to explain about how to setup for connecting with two SecurityEyes Main servers at the same time.

Firstly, we should know the IP, User Name, Password and Port Number (if you don't change it, the number was 7000). After that, we'll input the information into below settings page.

Server Name: [] Quality: Auto

IP Address: [] Find LAN IP

User Name: []

Password: [] Data Port: 7000

Check Password: []

Add Delete Modify



To input the Server Name into

To select the quality between Auto, Low or High quality.

To input the IP address of server into

User Name	<input type="text" value="1111"/>
Password	<input type="password" value="****"/>
Check Password	<input type="password" value="****"/>

Input the User Name and Password and then you can change the transmission port of network . We suggested to keep default as the first time using.

Click to add "MAX-945" Main server into list, and then add other Main server into list as below.

Edit Server			
IP Address	Server Name	Login Name	Data Port
192.168.2.8	8IPE1K	1111	7000
192.168.2.17	MAX-945	1111	7000

Of course, if the SecurityEyes Main servers were located under LAN network, you can click to auto-search the SecurityEyes Main servers as below.



Just use mouse to select one server and then click will add into the server



list.

After adding the two Main servers into list, you can select the previewing channels at Net Client program as you want as below.

After above steps, please click  to save the settings and back to previewing

screen. And then click  to show the function as below.

You can connect to the channels one by one or connect all channels at one time. We suggested to select “All Connect” as the first time.

After above steps, you’ ll have the video/audio coming from SecurityEyes Main servers as below.



[] Playback of Net Client

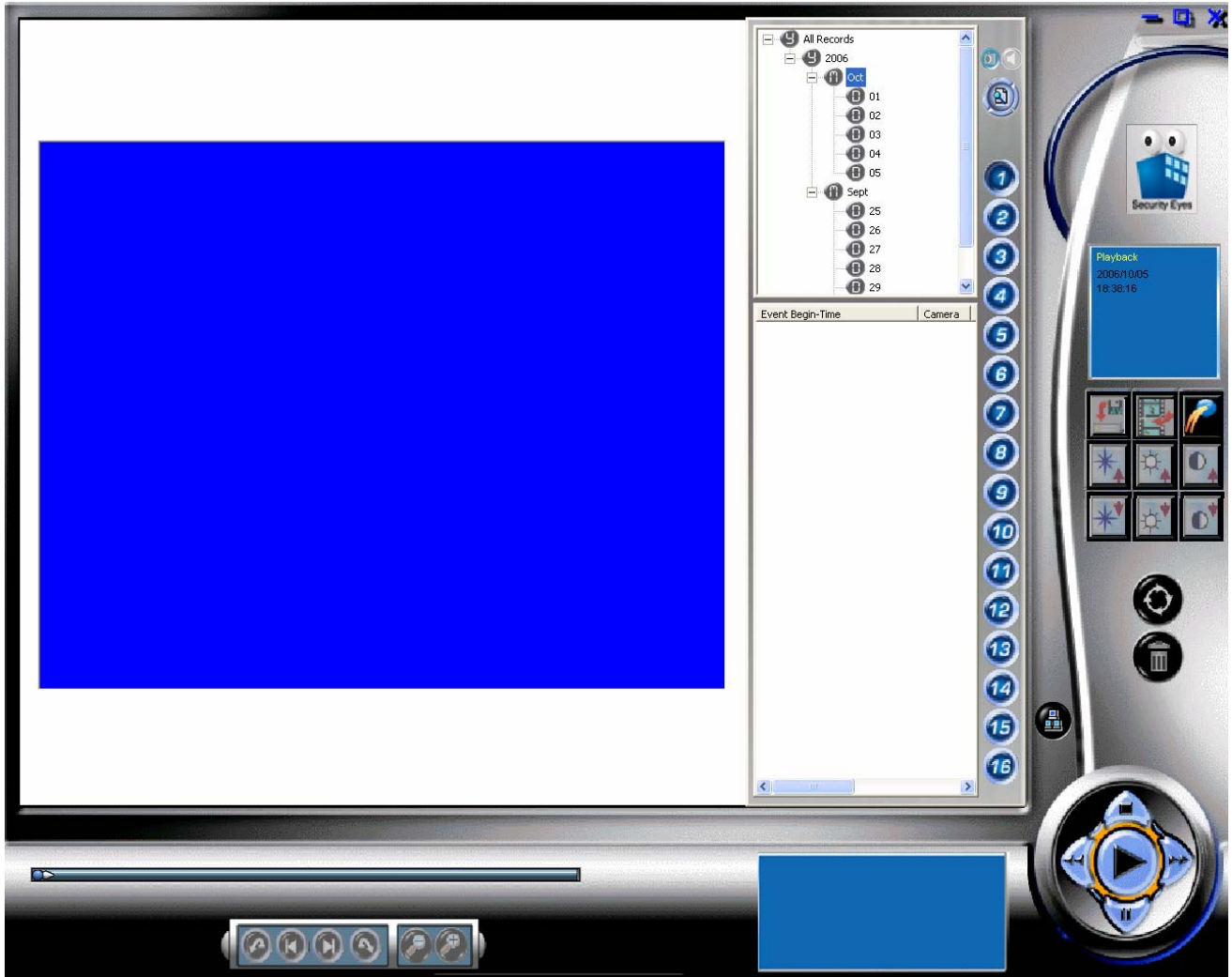
The playback of Net Client has two different playback functions: They were Local Playback and Remote Playback as below. The functions of these two playback were different, please

read to use it.


Local Playback
Remote Playback



Local Playback of Net Client



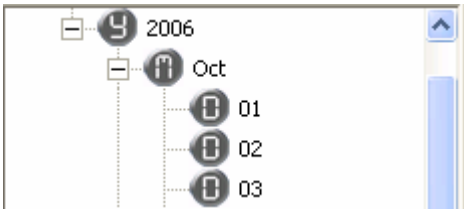
NOTE ! : All the files and database only can be deleted in Playback program. Please don't delete or remove the files or database in Windows File Explorer or other ways or the database may be broken and then cannot work well.



NOTE ! : This program supports SINGLE and MULTI playback, please press  button to change the playback mode between them.




[] Single Playback







The first time to playback, we suggested to learn how to search the file as you want. Firstly we have to select the date included the recorded files. You can check the date list as below, please select the month and day items.





Click  to show the files list which only included VIDEO, click  to show the files list which included VIDEO + AUDIO (if the hardware supports capturing audio) .



Click the camera number  to show the files of the camera recording.

Finally we can select one file to playback in the file list as below.

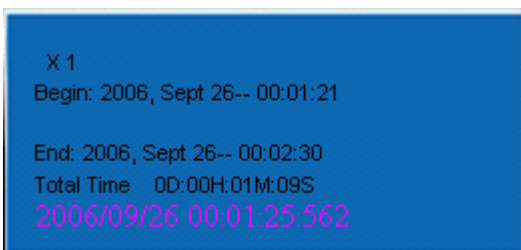
Event Begin-Time	Camera
 00:00:50 - Sept 26, 2006	02
 00:01:49 - Sept 26, 2006	02
 00:07:21 - Sept 26, 2006	02
 00:09:47 - Sept 26, 2006	02
 00:10:01 - Sept 26, 2006	02
 00:16:03 - Sept 26, 2006	02

Click  to start playback process.

Click  to stop, click  to pause.

Please note that click  is speed-up the playback (up to 8X) and click  is speed-low the playback (from 1/2 to 1/8) .

Besides, we can check the status of the playback file at below window. This window' s showing all the detail information of the playback file.





The first line "X1" means the playback speed.


We can move to some point time to check what I want to see by mouse dragging the slide



bar as below.




Click  to increase the sharpness, click  to decrease it.


Click  to increase the brightness, click  to decrease it.


Click  to increase the contrast, click  to decrease it.

Click  to REPEAT the playback.



Click  to delete the file.

Click  to save the AVI file to another disk, folder or portable storage devices.

Click  to snapshot one picture of the playback video.

Click  to exit and close the playback program, then back to the surveillance main program to see the live previewing.

Click  to play the last file on list, click  to play the next file on list.

Click  to move forward to previous 1 frame of the playback video, click  to move after 1 frame of the playback video.

Click  to enlarge the image of the playback video, click  to reduce the image.


NOTE ! : Please be advised that above step-forward/back, enlarge/reduce, save to avi



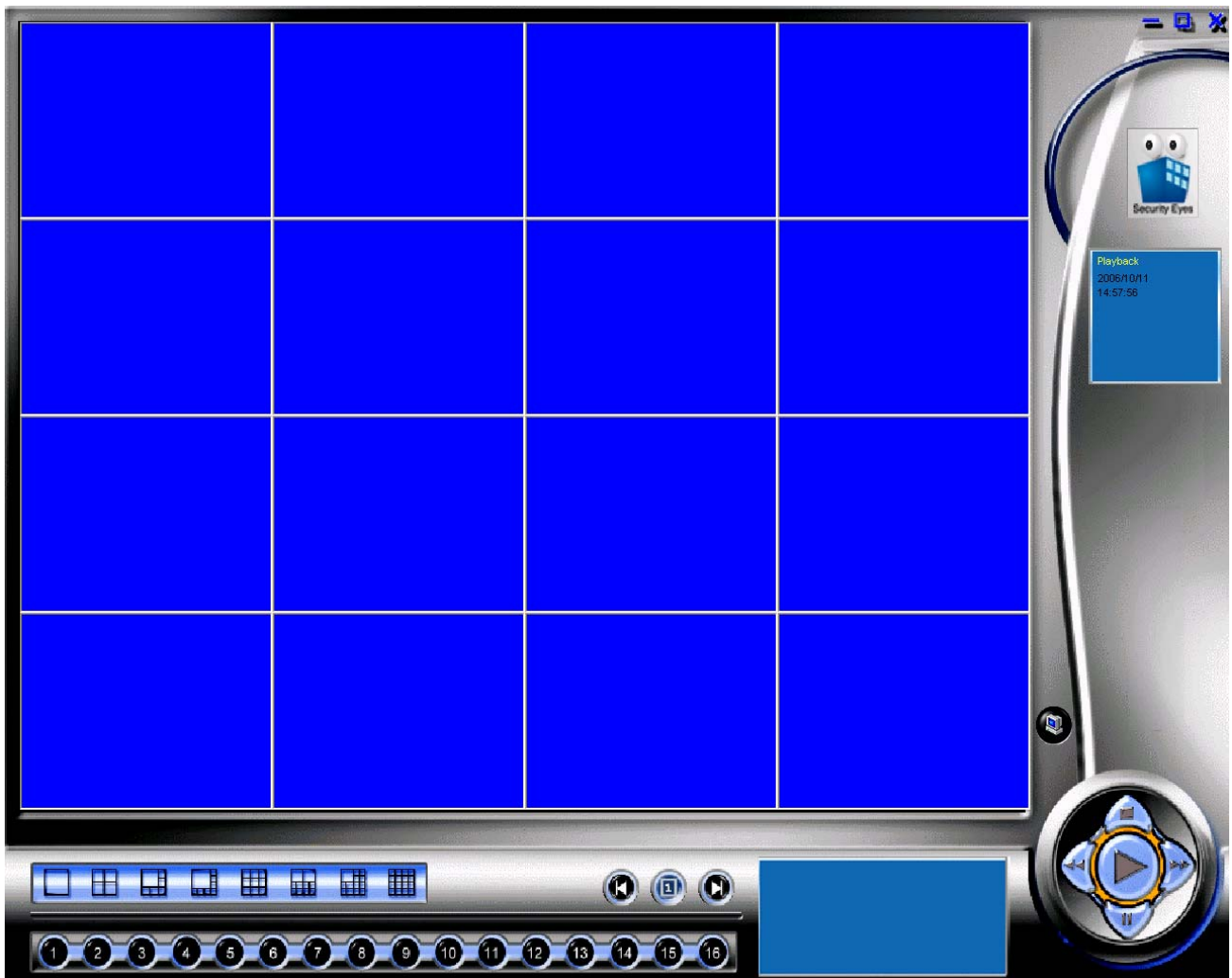
and delete functions better be used under STOP or PAUSE playback status or the files may be broken by unexpected errors.




[] Multi Playback

Under SINGLE playback mode, click  and then change to Multi-Playback mode as below.

Under MULTI playback mode, click  will back to SINGLE playback program.



NOTE ! : Under MULTI playback mode, please click  to exit the playback program.

Or you can go back to the SINGLE playback program to click  and then back to live previewing. Both ways were okay to exit the playback.



Firstly we have to set a time period of the recorded video to do multi-playback by click



as below. To select the items and then click “OK” to search in database.

Advanced

Time Interval

Start Time: 12/ 7/2006 1:59:14 PM

End Time: 12/ 7/2006 2:04:14 PM

Camera List:

<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	4
<input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/>	6	<input checked="" type="checkbox"/>	7	<input checked="" type="checkbox"/>	8
<input checked="" type="checkbox"/>	9	<input checked="" type="checkbox"/>	10	<input checked="" type="checkbox"/>	11	<input checked="" type="checkbox"/>	12
<input checked="" type="checkbox"/>	13	<input checked="" type="checkbox"/>	14	<input checked="" type="checkbox"/>	15	<input checked="" type="checkbox"/>	16

Audio Select:

<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4
<input type="checkbox"/>	5	<input type="checkbox"/>	6	<input type="checkbox"/>	7	<input type="checkbox"/>	8
<input type="checkbox"/>	9	<input type="checkbox"/>	10	<input type="checkbox"/>	11	<input type="checkbox"/>	12
<input type="checkbox"/>	13	<input type="checkbox"/>	14	<input type="checkbox"/>	15	<input type="checkbox"/>	16

Audio Option:

☒ Enable ☐ Disable

OK CANCEL

Only one point we had to note about multi-playback system : The multi-playback program only can access the searching at THE SAME day in 24 hours. If we want to check the recorded files between different dates will not be allowed to search.

This limit of multi-playback searching was because of the database will be very busy if big range searching of the multi-channels at the same time. For stably working system, we just set the limit in the searching function under multi-playback mode.



Click to start multi-playback process.





Click to stop, click to pause.



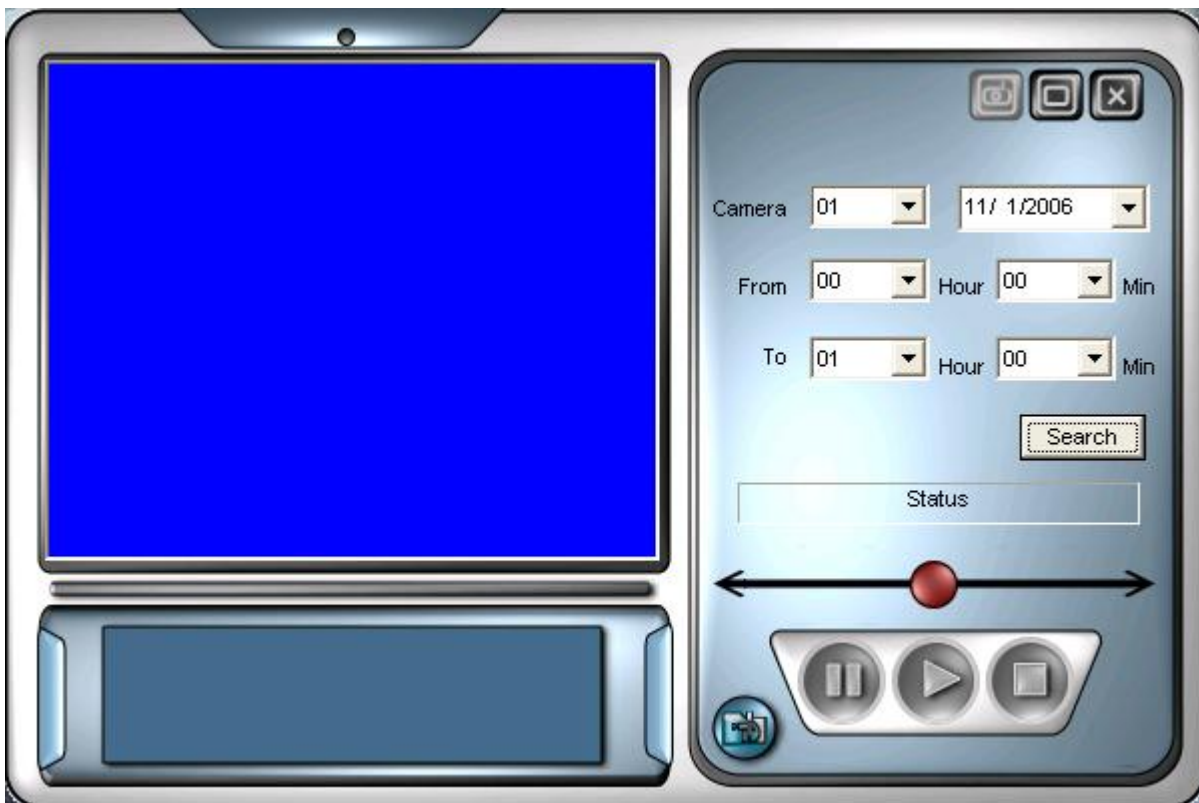
Please note that click is speed-up the playback (up to 8X) and click is speed-low the playback (from 1/2 to 1/8) .



Click  to move forward to previous 1 frame of the multi-playback video, click  to move after 1 frame of the multi-playback video.

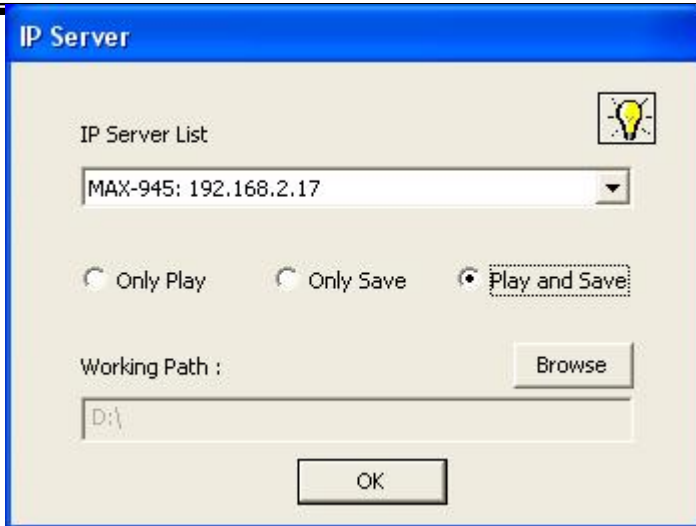
NOTE! : The Local Playback of Net Client didn't support "Smart Search" function. This function's only been used on Playback of SecurityEyes Main server.

Remote Playback of Net Client



Remote Playback was a function to get video/audio streaming from server. About how to use it, please check this chapter for more detail.

At the first time to use, please note that you should have server(s) which already been in Net Client list. And then please press  to select the server you want to playback.



To select the server you want to playback in list.

Click ☐ Only Play will only playback the file from server, click ☐ Only Save will only download and save the file from server, click ☒ Play and Save will play, download and then save the file in remote side.

If you select ☐ Only Save or ☒ Play and Save, please have a storage space to save the playback files by pressing button. The storage path will show in



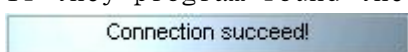
And then please click to save the settings.

To select the terms of searching in below dialog. The maximum period was 24 hours.



And then click to search the recorded files in the SecurityEyes Main server on network.





If they program found the result out will show on status window :






And the first frame of recorded video will display on previewing window.



Click  to start Remote Playback, click  to stop and click  will pause it. If you want to snap shot one picture, please press .

To search and playback another recorded file in Main server, please press  to stop first, and then select the terms again.

The performance of this function depends on the bandwidth of network transmission. Better speed will get the better quality.

4-4. The other additional functions of SecurityEyes Net Client

About the additional functions of SecurityEyes Net Client, the process' s all the same with the functions of SecurityEyes Main server. We provided the hyper-links to check the functions as below :



[The Backup Utility of SecurityEyes software](#)

[The Database Compact of SecurityEyes software](#)

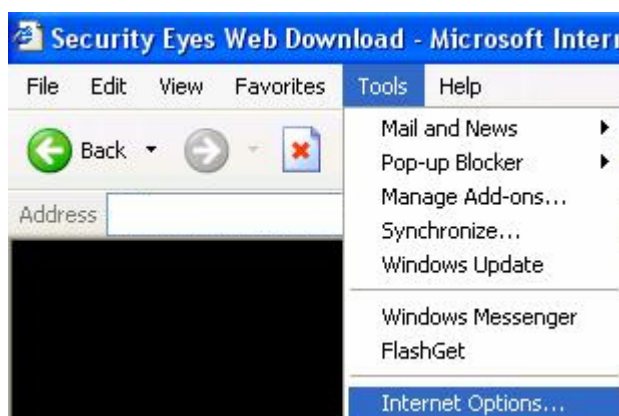
[The Lost File Recovery of SecurityEyes software](#)

How to Use Browser (I. E.) to Do Remote Surveillance

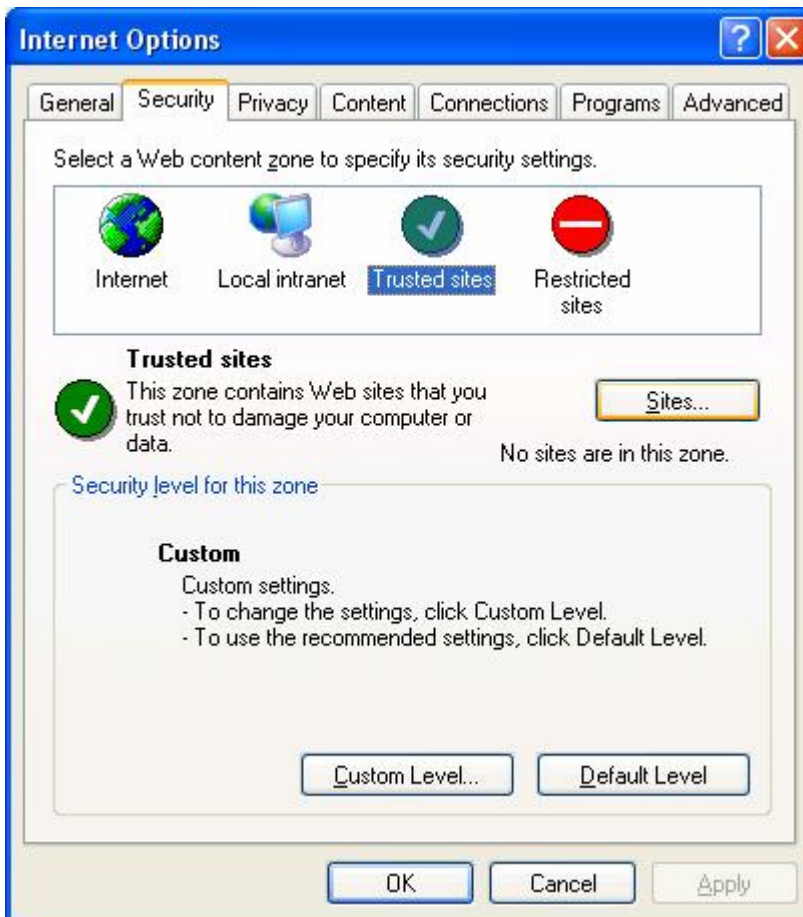
SecurityEyes software provides Internet Browser users to download and install the SecurityEyes Net Client software on PC, so users can monitor on PC everywhere. We took Microsoft™ Internet Explorer under WinXP for example to download and install step by step as following :

At first, please enable “WebCam Server” of “System Settings” and “Start Monitor” of SecurityEyes Main server. And please remember the IP address which was set in Main server.

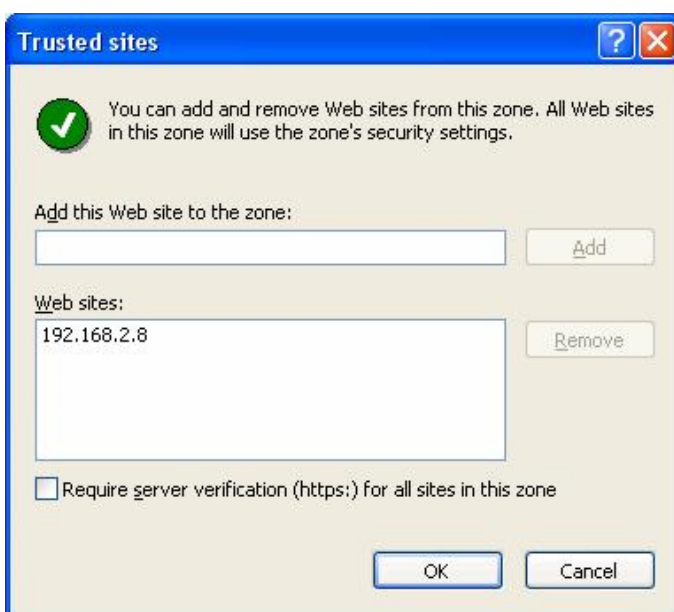
Step 1 : Open “Internet Explorer” on remote PC. We have to add the IP address of Main server in trust list of IE settings. Please select “Tools” → “Internet Options” as below.



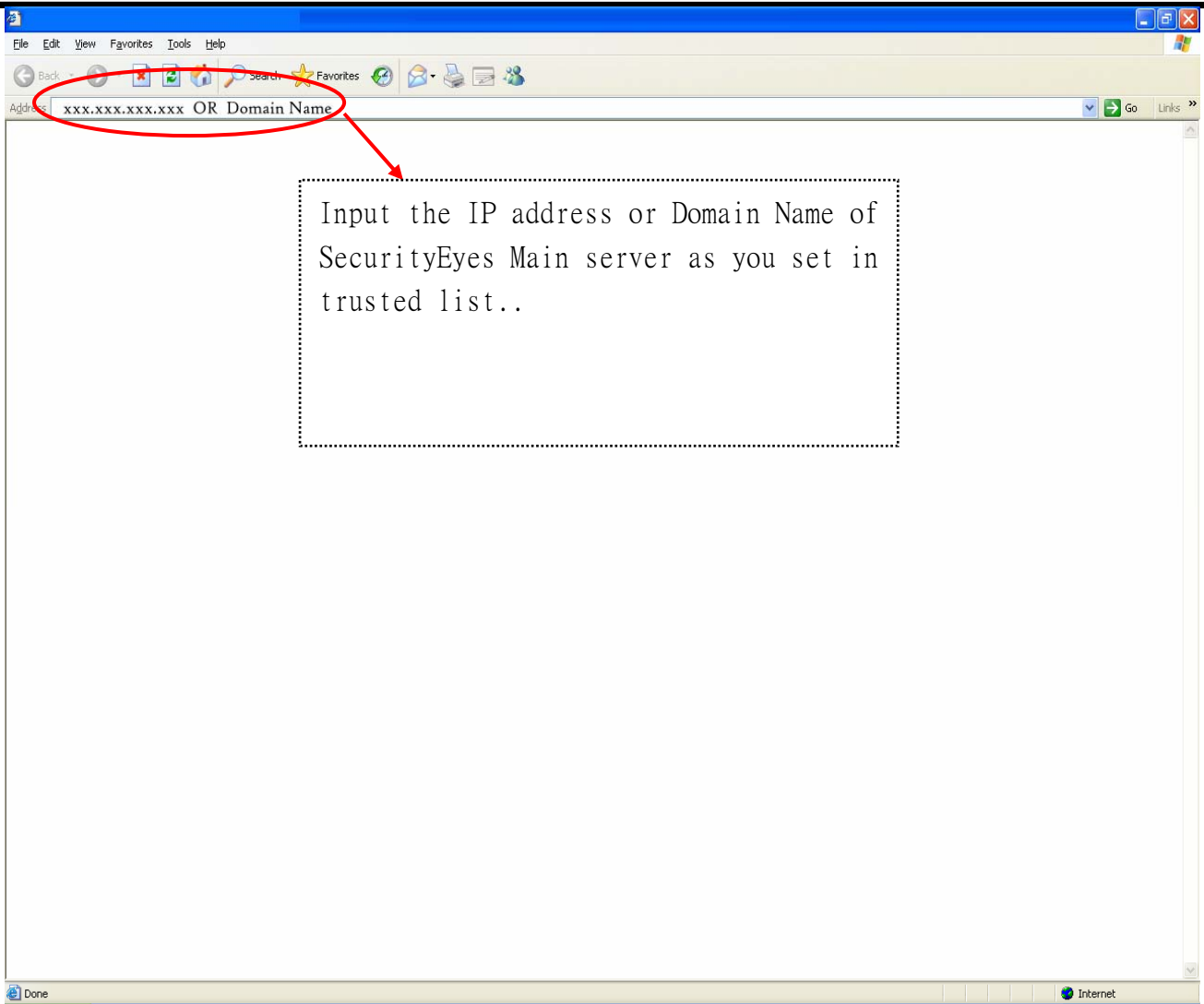
Step 2 : And then please select “Security” → “Trusted sites” → “Sites” as below.



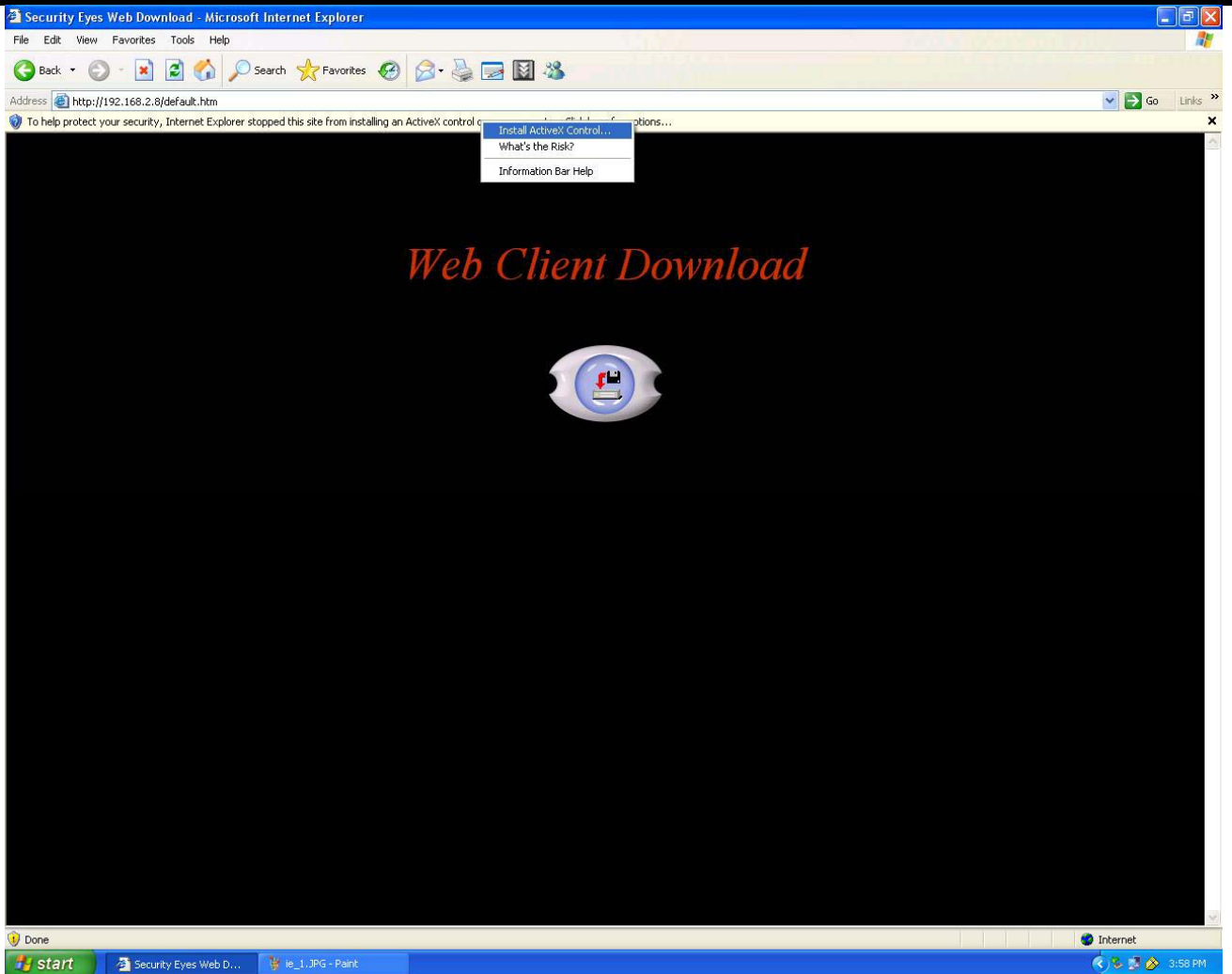
Step 3: Please **uncheck** the box of ☐ Require server verification (https:) for all sites in this zone and then input the IP address of server you want to connect. Then click “Add” to add into list as below. Click OK to save.



Step 4: Input the IP address of Main server as set in trusted list as last step.



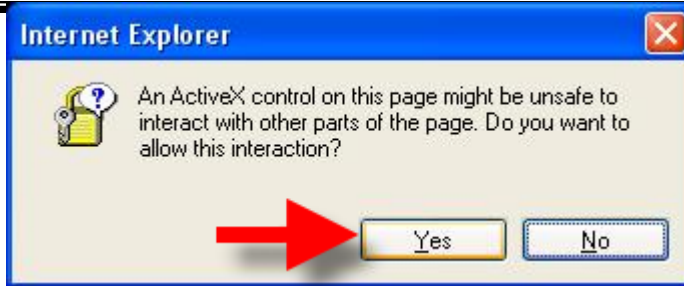
Step 5 : If the IP or Domain Name of Main Server is correct, you' ll see the logo as below. Please agree to install the ActiveX control component from web. Use the right key of mouse to click the yellow bar of IE and then select "Install ActiveX Control" as below.



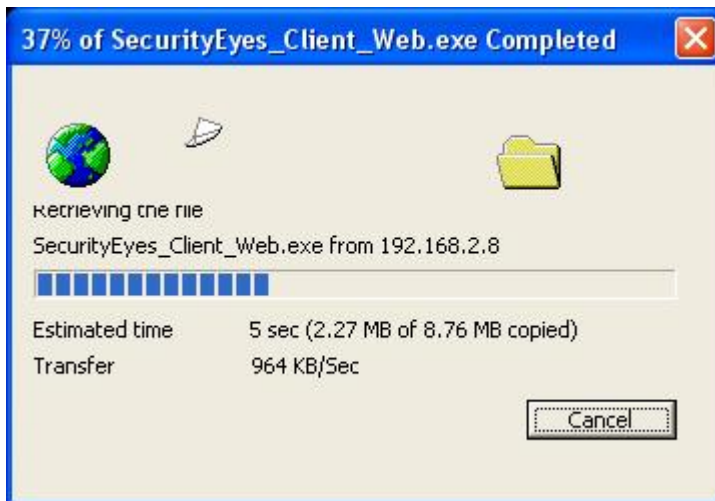
Step 6 : After above procedures, you will be asked about Security Warning, (if it is under WinXP SP2) . Please click “Install” to continue installation.



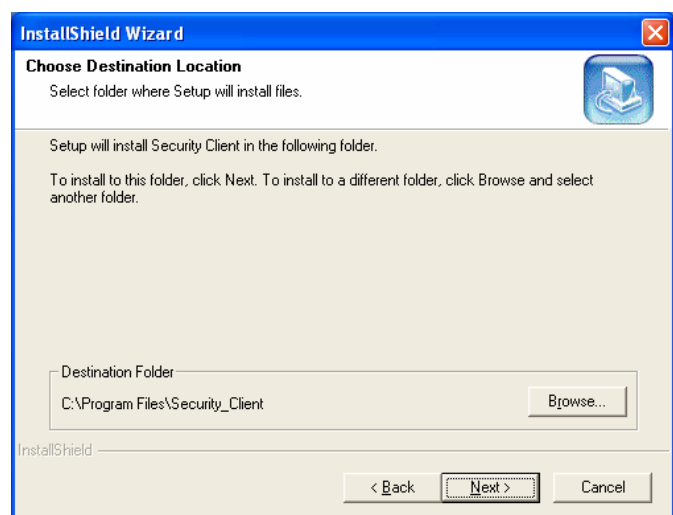
Step 7 : And then, the IE will ask about the warning of ActiveX control installation again. Please click “Yes” to allow the installation.



Step 8 : Please wait for some time to download the Net Client application software and please DO NOT click “Cancel” between the processes.

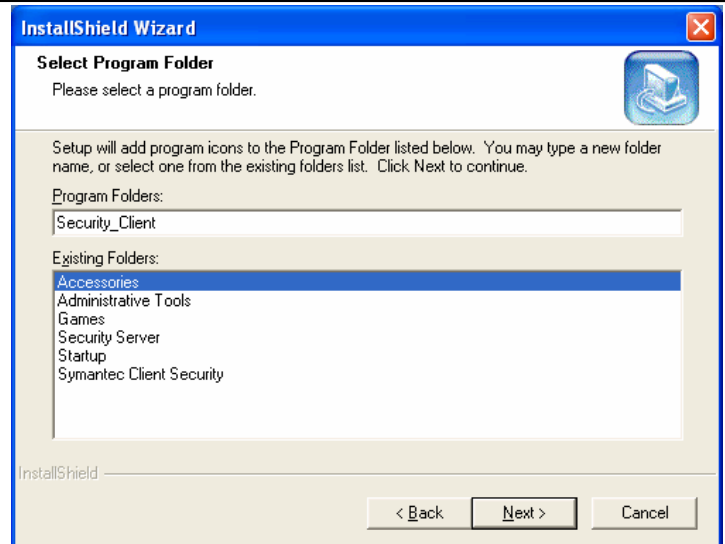


Step 9: Please choose the destination location of installing folder and then click “Next” to continue.

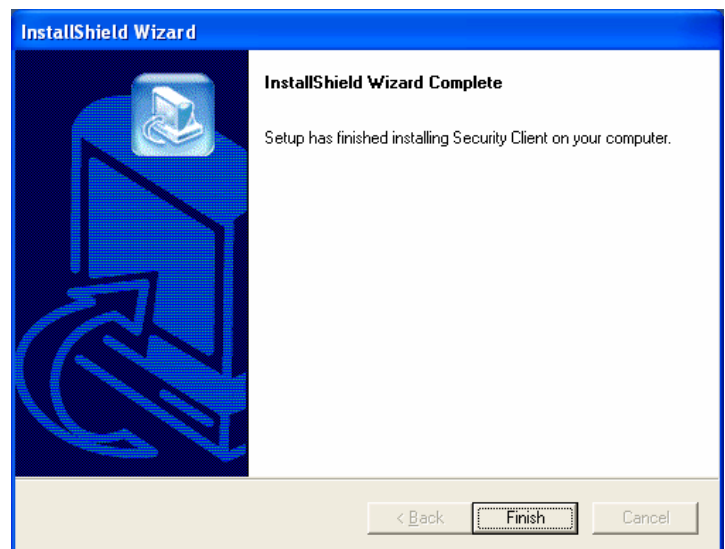




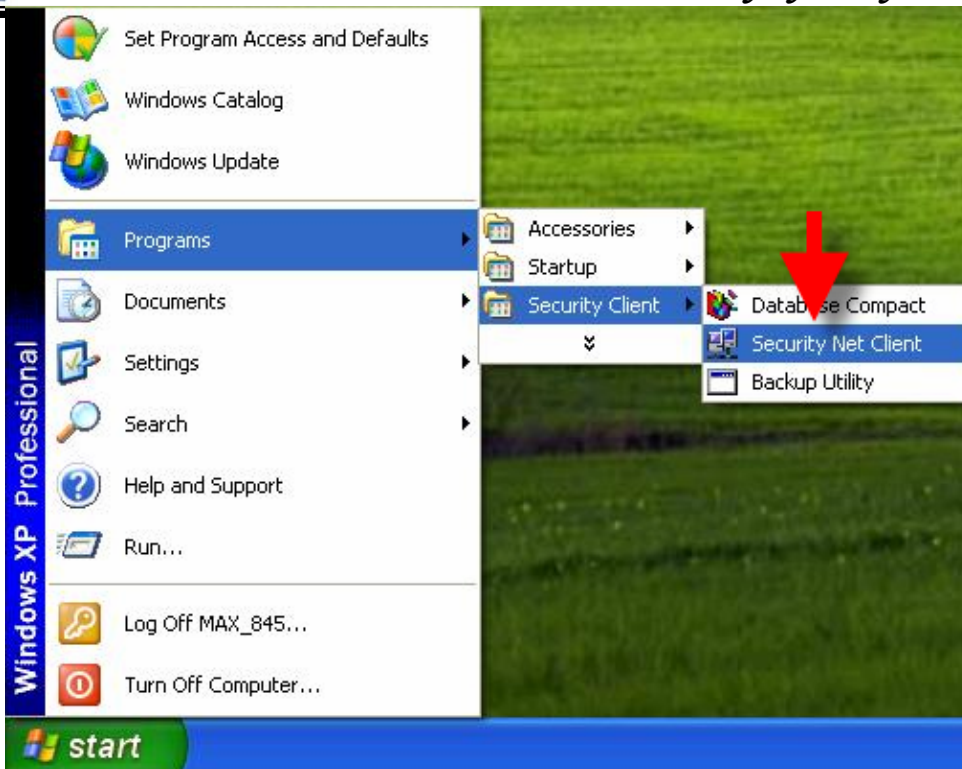
Step 10: Please select the program folder and then click "Next" to continue.



Step 11: Please click "Finish" to close the installation window of software.



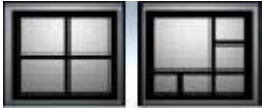









Step 12 : Please click START → PROGRAMS → SECURITY CLIENT → SECURITY NET CLIENT. The IE remote surveillance system we' re using was based on Net Client application software. About the detail of how to use it, please check the Net Client chapter for more information.










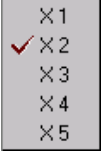



Below was the introduce of function buttons on interface.





	Quad Vision Modes : Select to display in 1, 4, 6, 8, 9, 10, 13, 16 quads view.
	Focused Camera Setting : Users can click the Camera Number to make it be the focused camera. Take  (6 Quads) for example, if you click camera number 9, the biggest preview window will be changed to Camera 9' s view. Others will be Camera 10, 11, 12, 13 & 14. Please note that you cannot make random permutation.
	Status Window : It will only show the data and time if no connection. After connected with server, it will show the Server, IP and CH.
	Connect Server : Click to get connection with servers which already been set in settings.
	System Setting : Click to setup the Net Client system settings and will introduce later in this chapter. Event Report : Click to show the event report of remote client.
	Record : Click to record the video/audio from SecurityEyes Main servers via network transmission. Please note have to press  to enable recording function.
	Connect Server Setting : Click to setup about how to connect with servers and will have a detail introduction later in this chapter.
	Switch Channel : Click to enable auto-switch channel.



	<p>Playback :</p> <p>Click to start Local Playback or Remote Playback. We' ll introduce later in this chapter.</p>
	<p>Remote PTZ Control : Click to control the PTZ in server side.</p> <p>Camera 01 ▾ → Please select the correct camera number related to the PTZ.</p> <p> : Move up  : Move down</p> <p> : Left  : Right</p> <p>Click  to adjust the speed of Auto-Patrol of the PTZ as the picture .</p> <p></p> <p>Zoom In Zoom Out : For users to control PTZ to Zoom-In or Zoom-Out.</p> <p>Focus Far Focus Near : For users to control PTZ to Focus-Far or Focus-Near.</p> <p>IRIS C IRIS O : For users to adjust Diaphragm more or less.</p>
	<p>Snapshot :</p> <p>Click to have a snapshot of the video and then you can save to disk or any storage device.</p>
	<p>Remote Talk :</p> <p>Click to send voice to server which been selected in list via microphone. Please install one microphone on Client PC and make sure it can work at first.</p>



Remote Speaker :

Click to receive the voice from SecurityEyes Main server which been selected in list via network transmission.

About other detail, please check "[Advanced Functions introduce of SecurityEyes Net Client](#)" chapter for more using information.

How to Use PDA to Do Remote Surveillance

SecurityEyes software provides Http server over PDA, so you can monitor with PDA for wireless connection.

At first, please enable "PDA Server" and "Start Monitor" of "Start Net Server" on SecurityEyes Main Server. And please remember the IP address, User Name and Password which are set in Main Server.

Step 1 : You need copy the 2 files, MyCtrl.dll and PDAClient.exe under the folder, PDAClient of Installation CD, to PC first.

Step 2 : Then, you need connect PDA to the PC to do the synchronization to download the 2 files, MyCtrl.dll and PDAClient.exe on PDA.

Step 3 : And you should correctly set the PDA for wireless connection and execute the downloaded program, PDAClient.exe.

Step 4 : Key in the IP address or Domain Name of SecurityEyes Main Server.

Step 5 : Key in Account Name and Password.

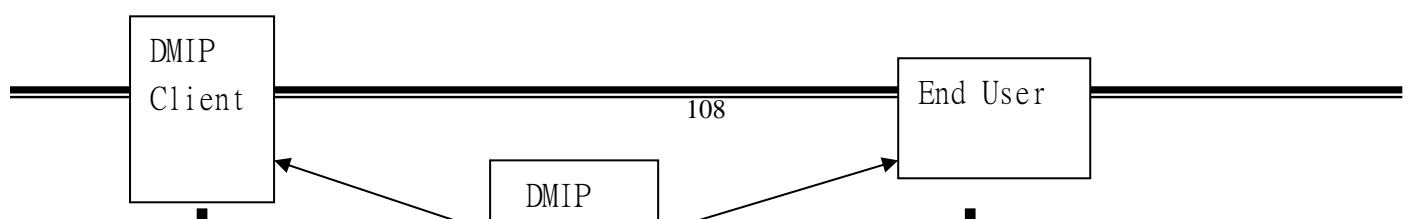
Step 6 : You will get preview display from Main Server.

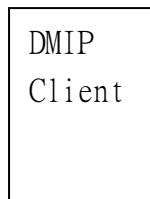
Appendix 1 : DMIP Settings

1. Detailed Description of DMIP function.

DMIP function is mainly to send the MAC address (Media Access Control Layer) of NICs (Network Interface Card) from user client to server' s database. After reboot, the IP changed but the MAC address will not be changed or duplicated. Therefore we can update the IP after it is changed based on the fixed MAC address. Finally we can realize internet monitoring when we' re using dynamic IP to connect with internet.

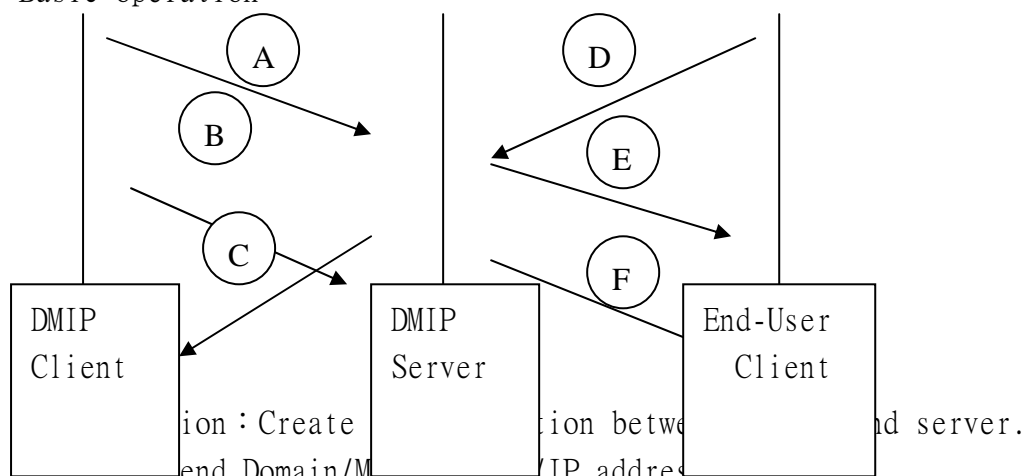
A. Structure





B. Function :

(1). Basic operation



A. Init : Create connection between client and server.

B. Send : Send Domain/Mac address/IP address to server.

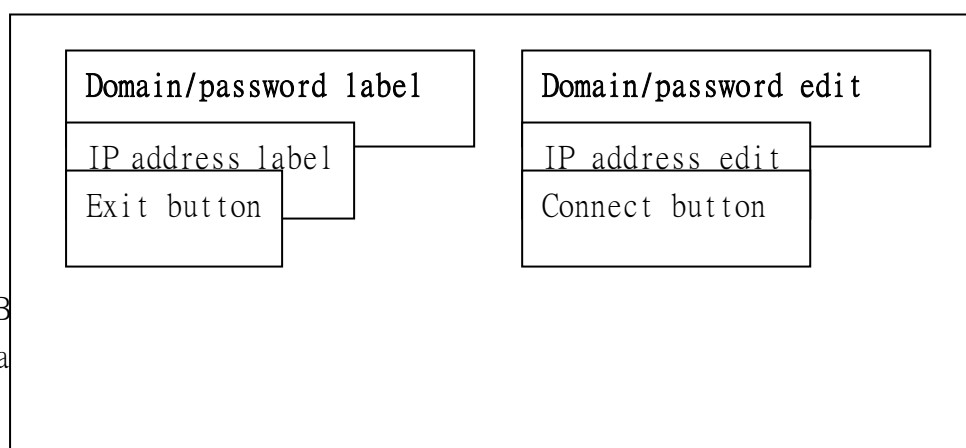
C. Exception : Server will send "Auth=NG" packet to client and client will show error messages and close the client application.

D. Auth. Req : End-user send an authentication request to server, end-user needs to input the Username and Password. Username and Password should be consistent with DMIP domain/password.

E. Ack/Rej : Server will response the Ack or Rej signal.

F. Refresh : The DMIP list will be auto refreshed if data is changed.

(2). U/I of End-User Client



(3). DB Ta



Domain_Name char
PWD char
User_Type char

Mac_address char
IP_address char
Domain_Name char

(4). Packet format

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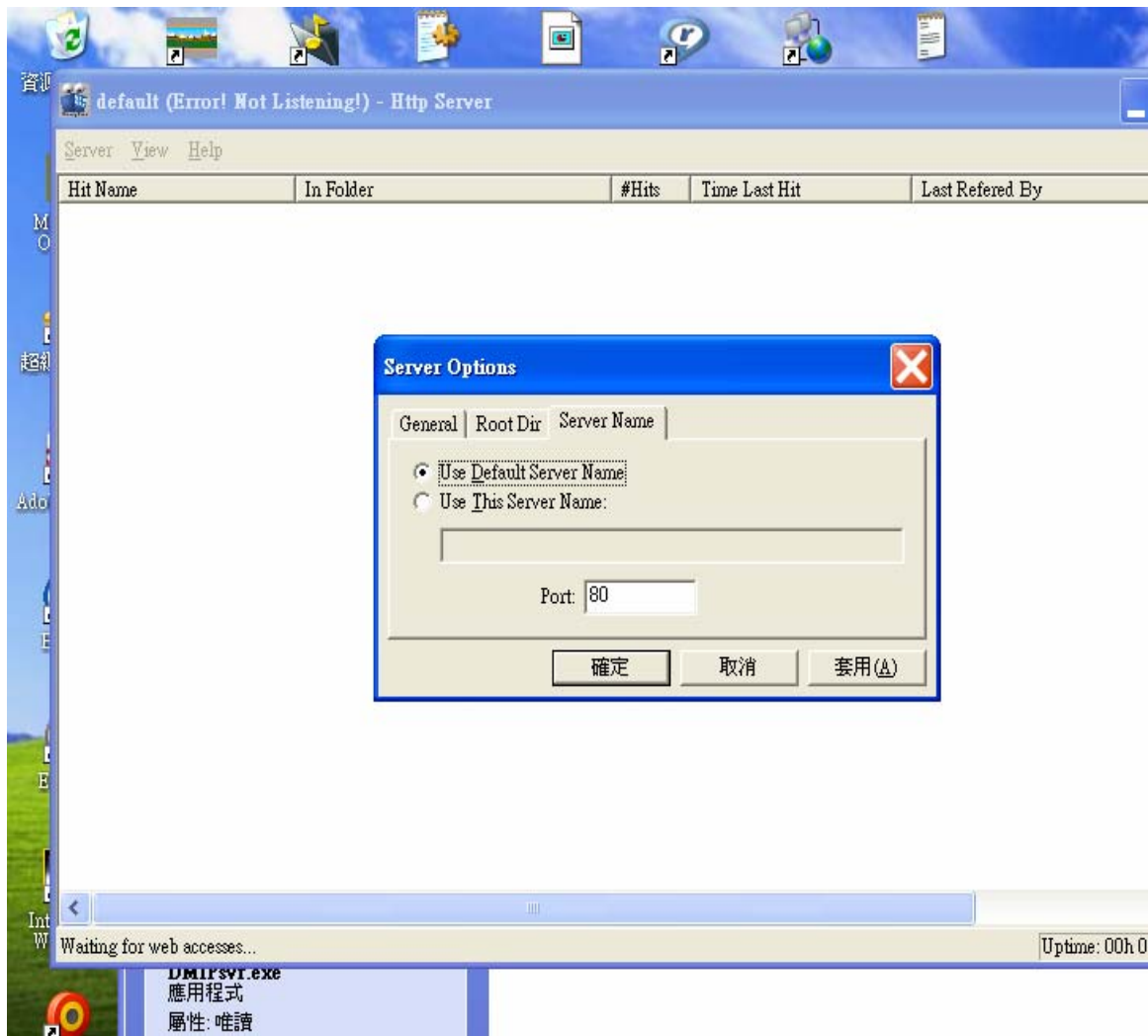
Example : DMIP?01:02:03:04:05:06!test;

(5). Protocol : TCP

(6). Port : 80



2. How to set up DMIP server (PC)




- A. First make sure to assign the DMIP server(PC) with Physical IP address
- B. Copy the folder, “DMIP” in the Installation CD to H/D of the PC, go to folder, “DMIP”
and “SERVER”, under it, run the file, DMIPsvr.exe.
- C. Go to Server Options as above figure
- D. Select “Use This Server Name”
- E. Fill the IP address
- F. Check if the port number(80) is correct
- G. If the above steps have been done, you need set DMIP client now.

3. How to set up DMIP client on which SecurityEyes software is running

A. Start Net Server

Please make sure “Start Monitor” is disabled to Start Net Server.

Click  to show below list for users to start Net Server functions.



DMIP Server → please enable this function

Note : After above steps are processed, you must go back to System Settings and click “Start Monitor” to start again.

B. Go to [Hotline Modem and Message, Telephone, Center Login & DMIP Settings]

DMIP : To setup DMIP for Main Server to be used for remote surveillance.

4. How to opera

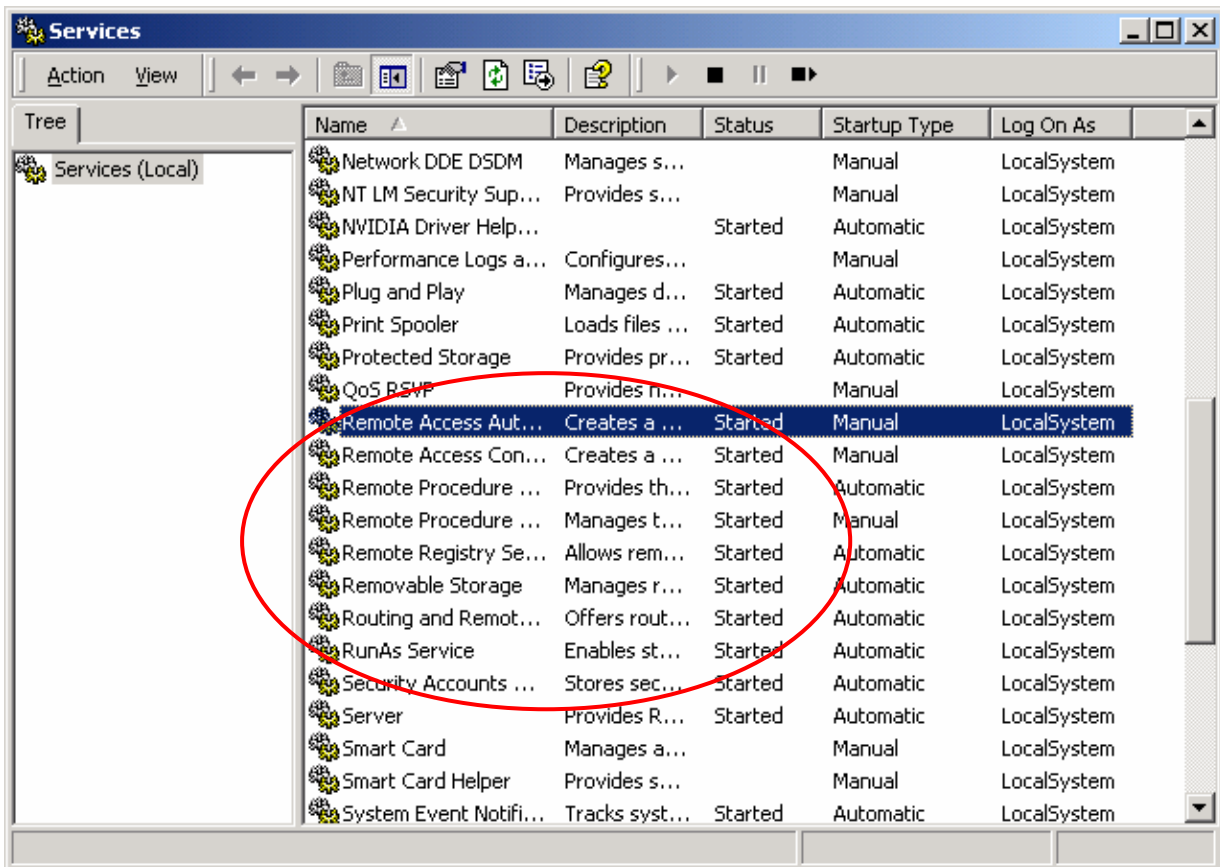
After user type, http:// (the IP of DMIP Server), and provide the Username and Password, for example, test.

U/I of IE will be shown, now, user can access the DMIP Client after login.

Appendix 2 : Modem Connection Settings

Set up Modem of Local Server Site(Main Server) :

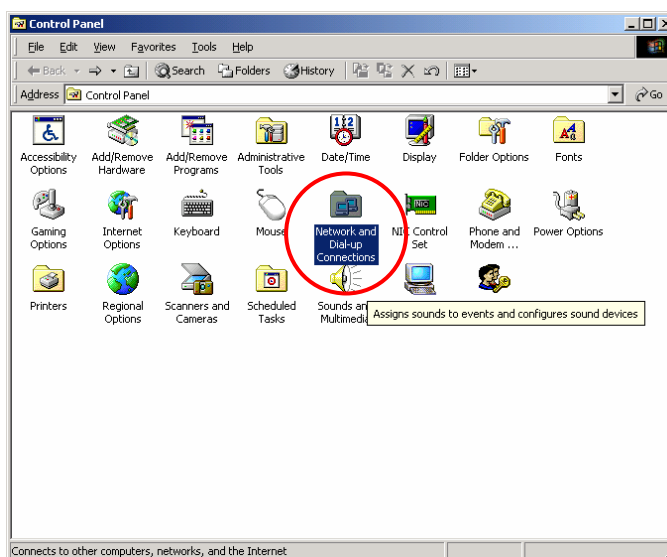
1. Under WIN2000 or WINXP, please click Control Panel/Administrative Tools/Services to “start” the RAS Service by right clicking the mouse then pick “start” . If “start” can not be picked, please choose “Properties” , and then change the startup type to “Automatic” . See the picture below :

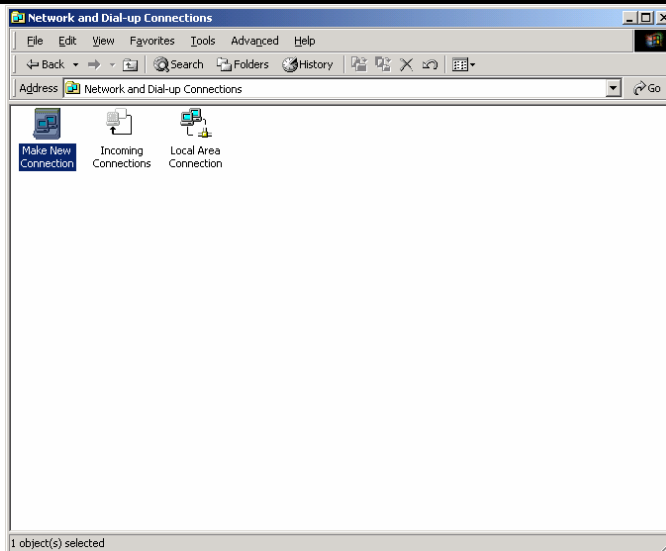


Note : Within the red circle, all of them are RAS services.

2. Create a connection (for Dial-up):

Step 1 : Go to Control Panel, pick<Network and Dial-up Connection>, then “Make New Connection” , see picture below:



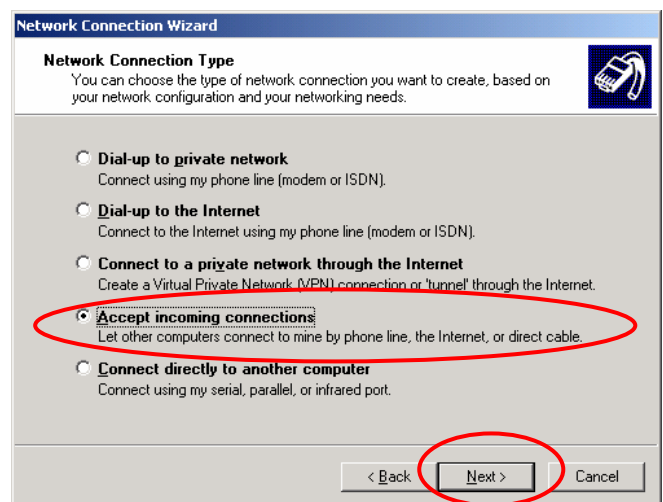


Step 2: Press “Next” .

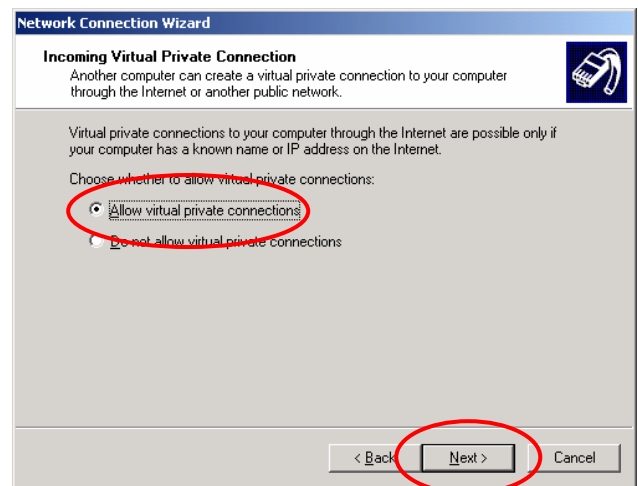
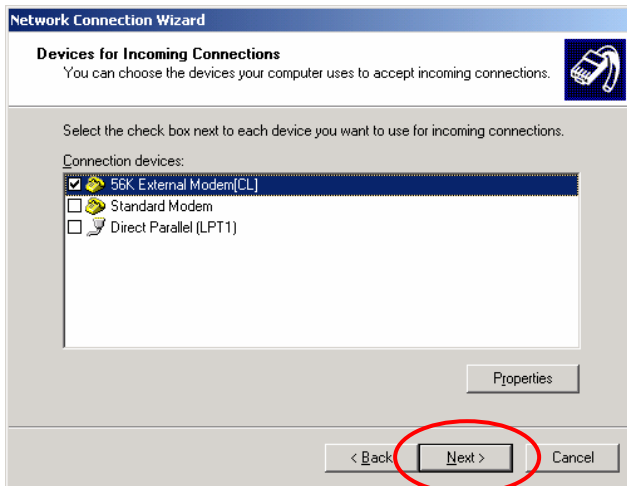


Step 4: Choose Connection devices,
“Next” .

Step 3: Choose <Accept incoming connections>,
press “Next” .



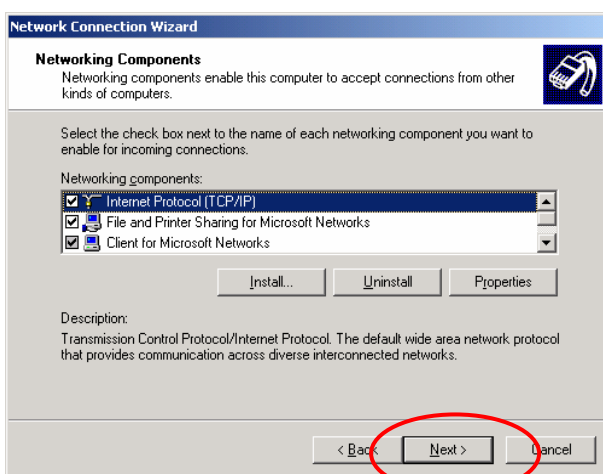
Step 5: Choose “Allow virtual private
connections” . press



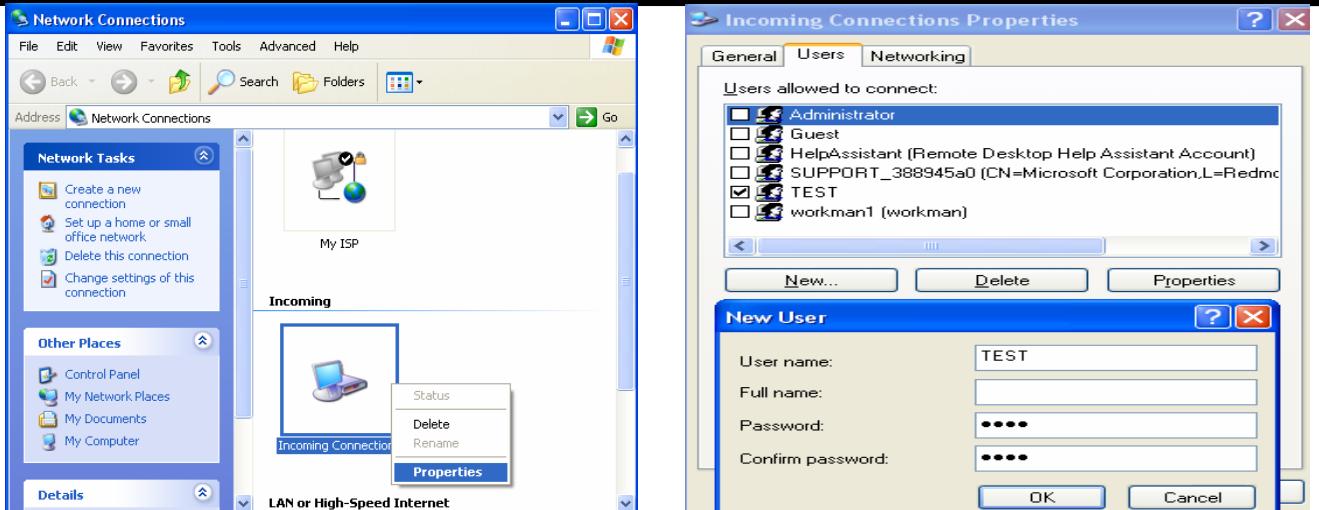
Step 6 : Press “Next” .

Step 7 : Press “Finish” to complete a new connection.

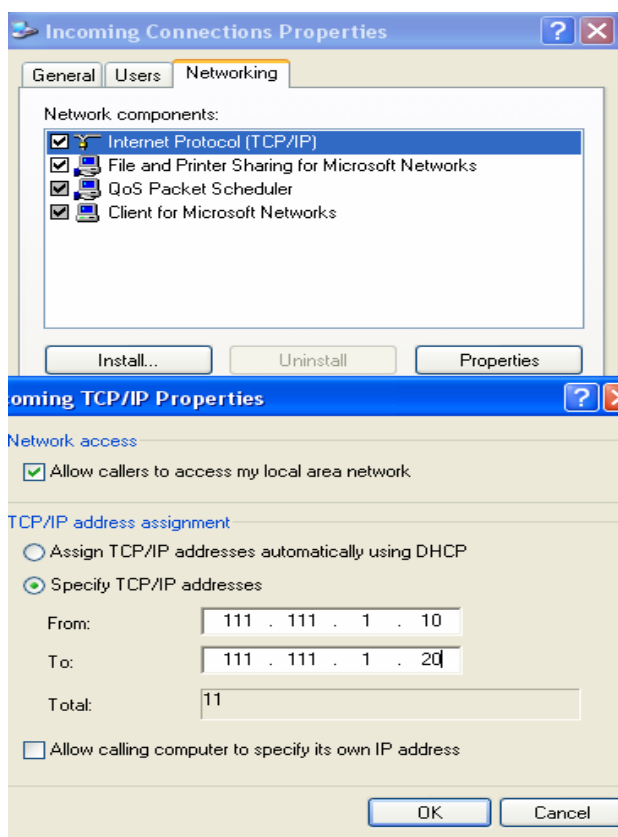
The new connection is “Incoming Connection” .



Step 8 : Please select “Incoming Connection” → ” Properties” → add “test” for User name and Password

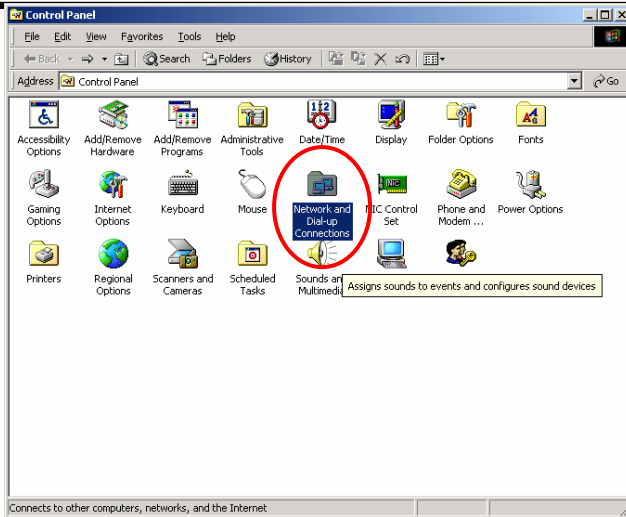


Step 9 : Please fill in the IP address for “From:” and “To:” at the below picture.
The address is for Modem connection. Fill the range of IP address of clients, which are to be connected to the server, in “From” and “To” .

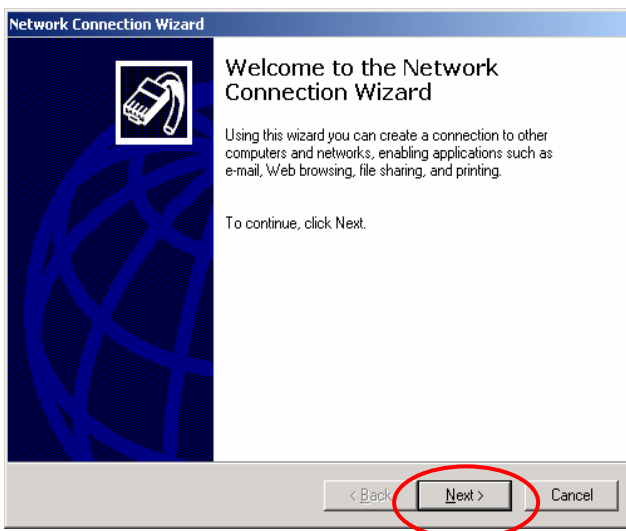


Set up Modem of Remote Client Site : Create a connection (for Dial-up)

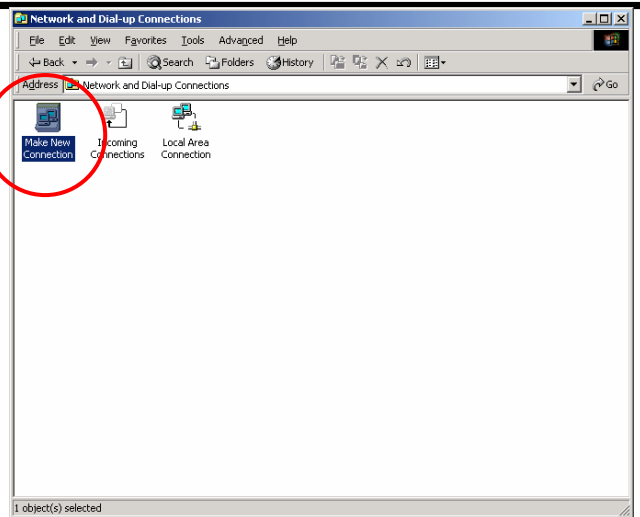
Step 1 : Go to Control Panel, pick<Network and Dial-up Connection>, then Make New Connection, see picture below:



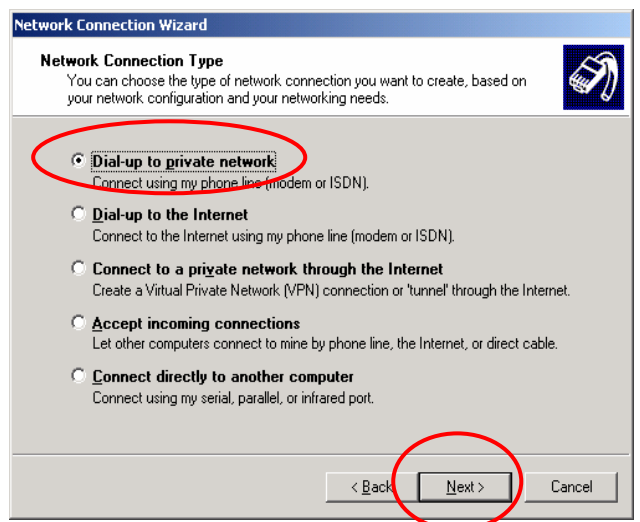
Step 2: Press “Next” .



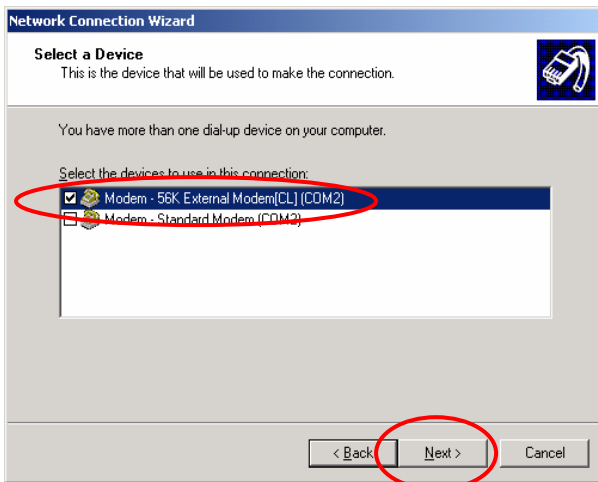
Step 4 : Choose Connection devices,
“Next” .



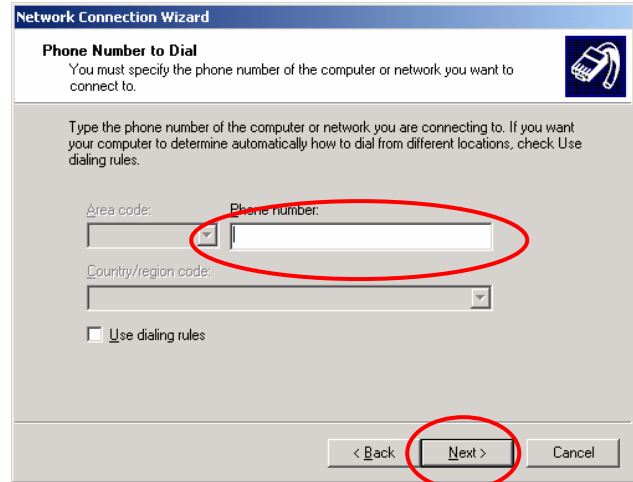
Step 3: Choose <Dial-up to private network>,
press “Next” .



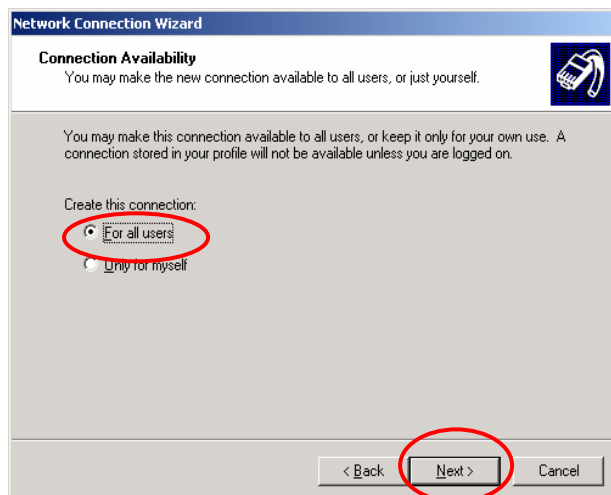
Step 5 : Input Telephone number for
connection. press



Step 6 : Press “Next”



Step 7 : Input name for the connection name, for example, test and press “Finish”

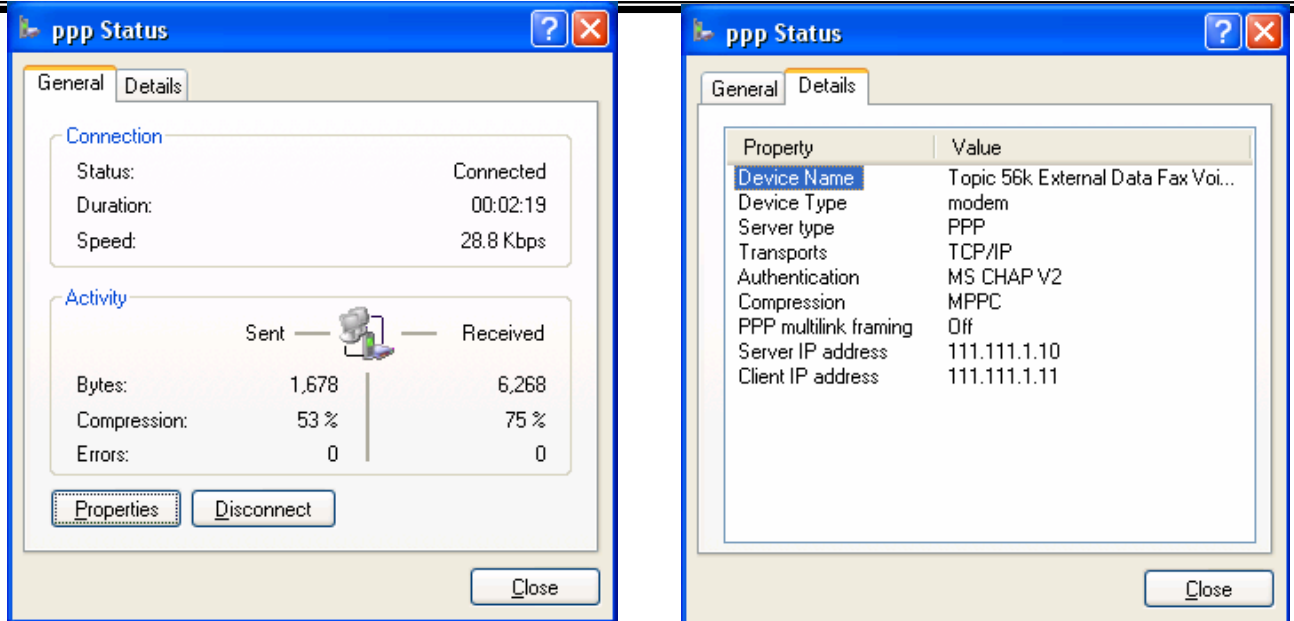


NOTE

The connection name have to be set as same as the User Name for Incoming Connection.

Step 8 : You should click “Incoming Connection”

“Connection” window to start the connection again, take the “Server IP address” from the below right picture, for example, “111.111.1.10” , you should use the IP address for connecting to the Main Server with the IP address.



Appendix 3 : Net Connection Settings

Q : Why I cannot see any video via SecurityEyes_Remote software? I am sure there is no problem for my internet connection.

A : Please check if any firewall was set at Main Server or Remote Client sites. If yes, please open port 7000 and TCP/UDP Dual protocol in firewall settings.

Q : I' m using Firewall or Router for my network environment. What PORTS I need to open for Remote Surveillance software?

A : Please open the ports as follows :

Http(WebCam server)-80[changeable]、Remote(SecurityEyes_Remote)-7000、PDA-1025、Multicast(SecurityEyes_Multicast)-4001.



Q : After I enabled “**Modem Server**” on SecurityEyes Main Server and have the Main Server connected to internet. Why the Remote Client sites cannot be connected to Main Server via Internet Explorer by modem? For both ends of Main Server and Remote Client sites, I used modem to get internet connection and I’ m sure there’ s no problem.

A : About “**Modem Server**” function on SecurityEyes Main Server, it **only** supports “**SecurityEyes_Remote** ” program. Please install SecurityEyes_Remote on Remote Client site to do remote surveillance program.

Appendix 4 : Configuration for Frame Rate Sharing on PV-155 & 157 VPRO

For PV-155 & 157 VPRO, the total frame rate is A fps (NTSC color system)/ 16 video input channels. Each video channel can get A/16 (frames/second). Under this rule, other channels can get more frame rate if we disable some channels.

For example : If we disable 4*video channels, the left 12*video channels can get more



frame rate, A/12(fps) for each channel. About how to disable channels, please refer to “**Enable Camera**” of SecurityEyes Main server

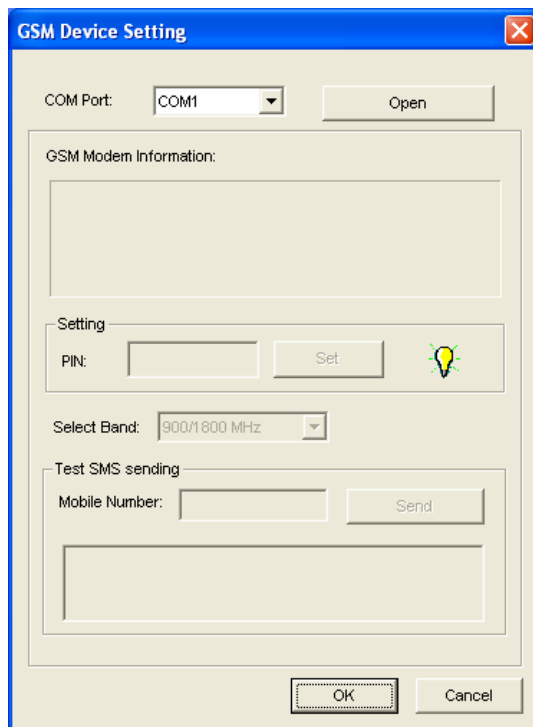
If you purchased PV-155 & 157 VPRO and want to use 4, 8 or 12 video channels. Please disable the channels as follows :

- (1). if you want to have 12 inputs only, you can connect 12 cameras to input channels as the sequence of from CH01 to CH12, and disable CH13, CH14, CH15 and CH16, and then more frame rate will be allocated to the 12 connected cameras.
- (2). if you want to have 8 inputs only, you can connect 8 cameras to input channels as the sequence of from CH01 to CH08, and disable channels from CH09 to CH16, and then more frame rate will be allocated to the 8 connected cameras
- (3). if you want to have 4 inputs only, you can connect 4 cameras to input channels as the sequence of from CH01 to CH04, and disable channels from CH05 to CH16, and then more frame rate will be allocated to the 4 connected cameras



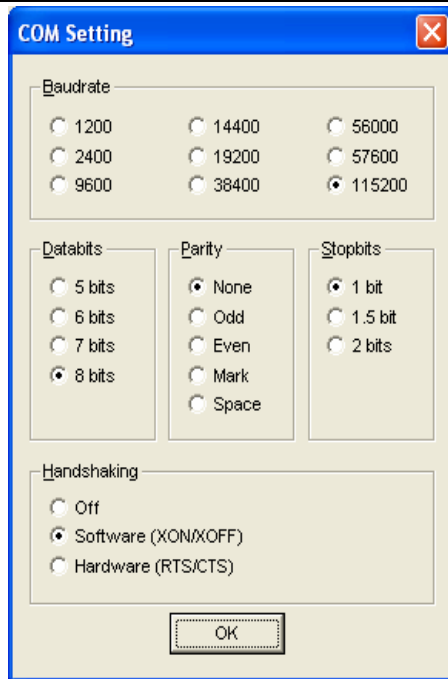
Appendix 5 : Configuration for SMS Server

1. To use SMS function, first you need install one GSM/GPRS modem on your PC, which can be Main Server or any PC. The PC with the modem is called SMS Server.
2. You can find SMS_Server installation on the installation CD, please install to your H/D and then execute the SMS_Server at the first time.
3. After the installation, you can go to “Programs” , “SMS Main Server” and select “SMS Server” .
4. The prompt as below :



Press “Open”

5. The prompt as below :
Baudrate should be set to 115200
Databits should be set to 8 bits.
Parity should be set to None.
Stopbits should be set to 1 bit.
Handshaking should be set to Hardware.



The COM Setting dialog box has a blue title bar with the text "COM Setting" and a close button. It contains three sections: "Baudrate" with nine radio buttons (1200, 14400, 56000, 2400, 19200, 57600, 9600, 38400, and 115200, which is selected); "Databits" with four radio buttons (5 bits, 6 bits, 7 bits, and 8 bits, which is selected); "Parity" with five radio buttons (None, which is selected, Odd, Even, Mark, and Space); "Stopbits" with three radio buttons (1 bit, which is selected, 1.5 bit, and 2 bits); and "Handshaking" with three radio buttons (Off, Software (XON/XOFF), and Hardware (RTS/CTS), which is selected). An "OK" button is at the bottom.

Press "OK"

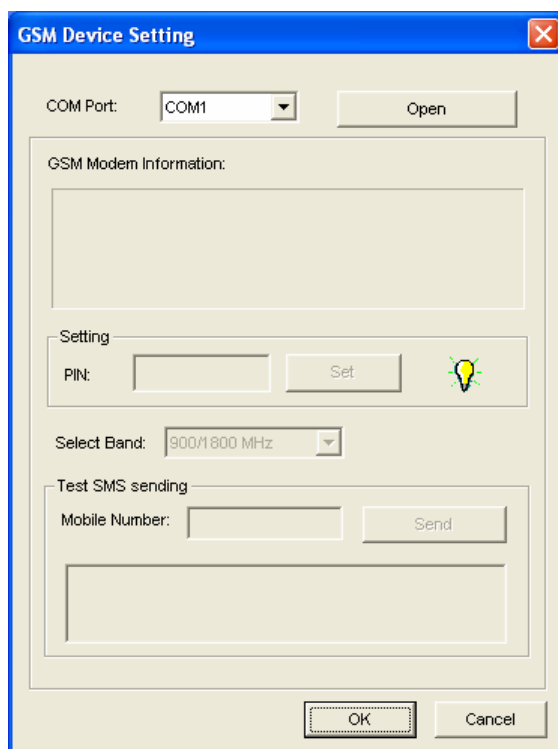
6. The prompt as below :

Fill the pin number of the SIM card inserted into the modem to the field, "Pin : " .
And press "Set"

Select Band the modem is using

Fill the Mobile Number and write some test message under it

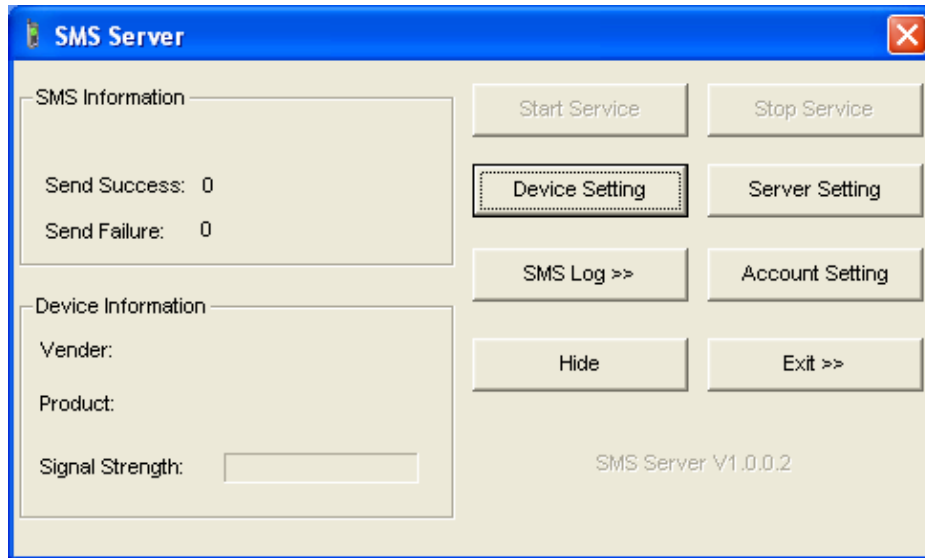
Press "Send" to test if the message can be sent to the mobile phone associated with the number.



The GSM Device Setting dialog box has a blue title bar with the text "GSM Device Setting" and a close button. It contains several sections: "COM Port:" with a dropdown menu showing "COM1" and an "Open" button; "GSM Modem Information:" with a large empty text area; "Setting" with a "PIN:" label, an empty text field, a "Set" button, and a lightbulb icon; "Select Band:" with a dropdown menu showing "900/1800 MHz"; "Test SMS sending" with a "Mobile Number:" label, an empty text field, and a "Send" button; and a large empty text area for the test message. "OK" and "Cancel" buttons are at the bottom.



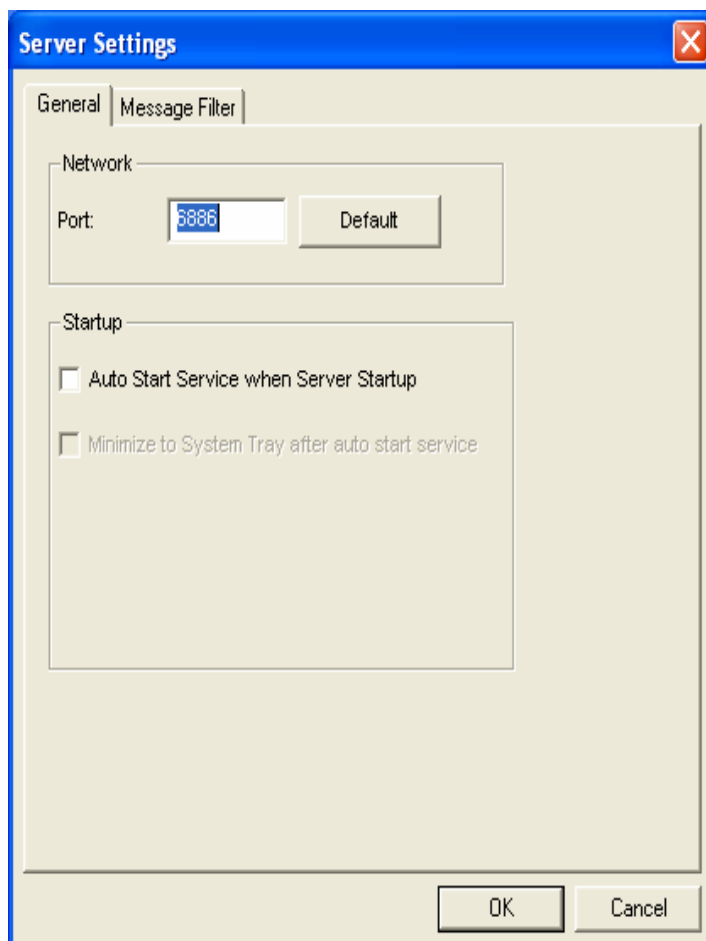
7. The prompt as below :



Press “Server Setting”

8. The prompt as below :

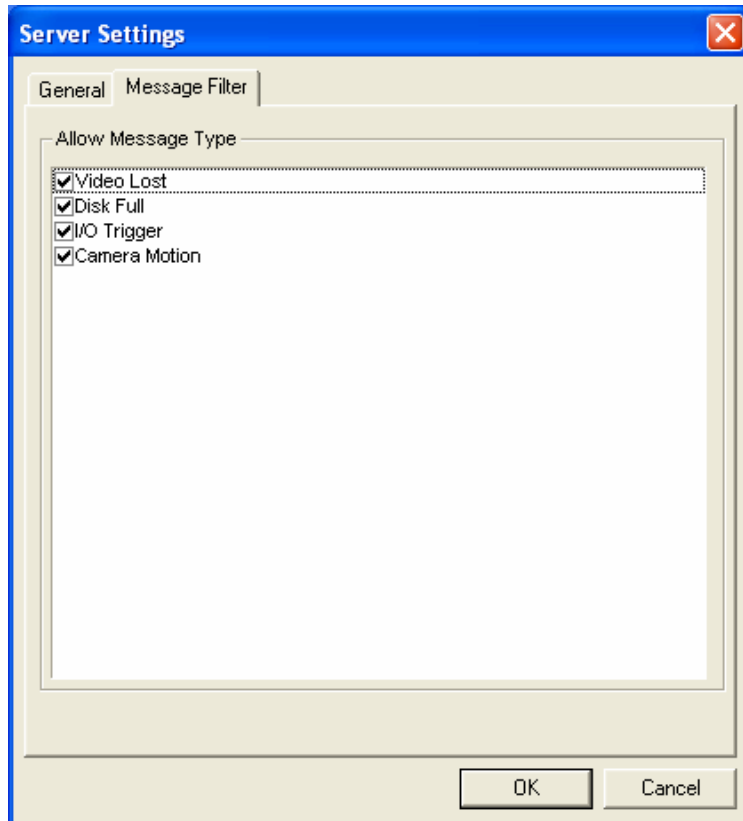
Keep the port number to be 6886, which is the same one at “SMS alarm settings” .
Keep the 2 items unchecked under “Startup” and then Press “Message Filter” .



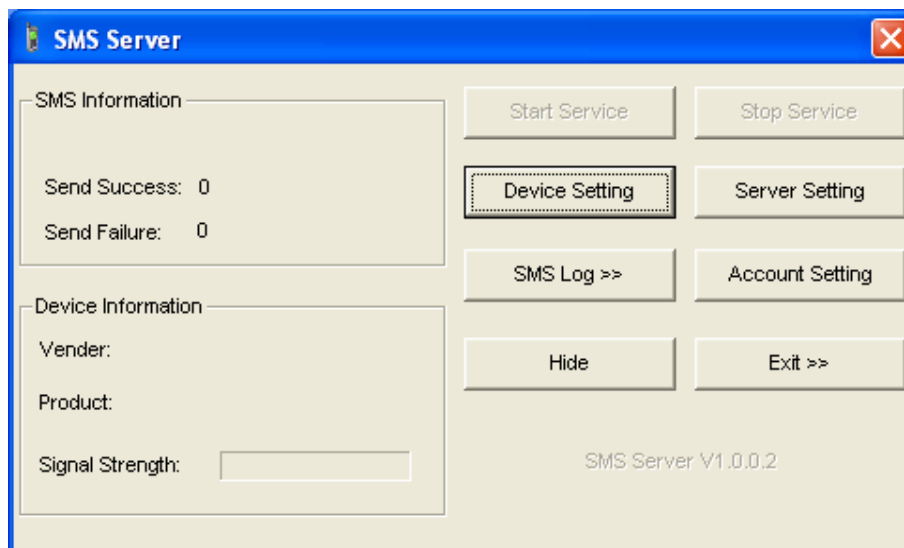


9. The prompt as below :

Keep “Video Loss” , “Disk Full” , “IO Motion” , “Motion Detect” checked.
And press “OK”



10. The prompt as below :

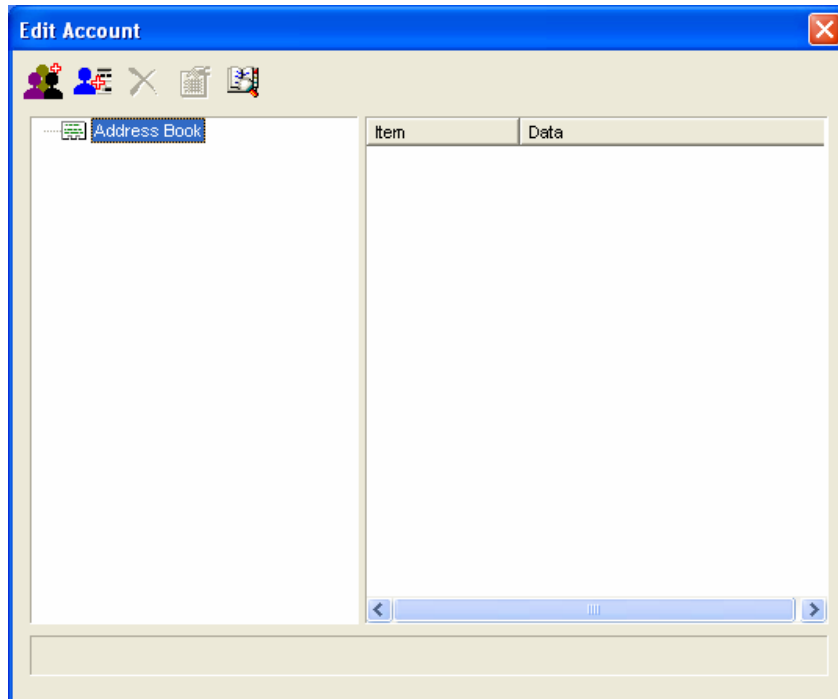


Press “Account Setting”

11. The prompt as below :



Press the second icon(from the left, Add Client) to create an Account.



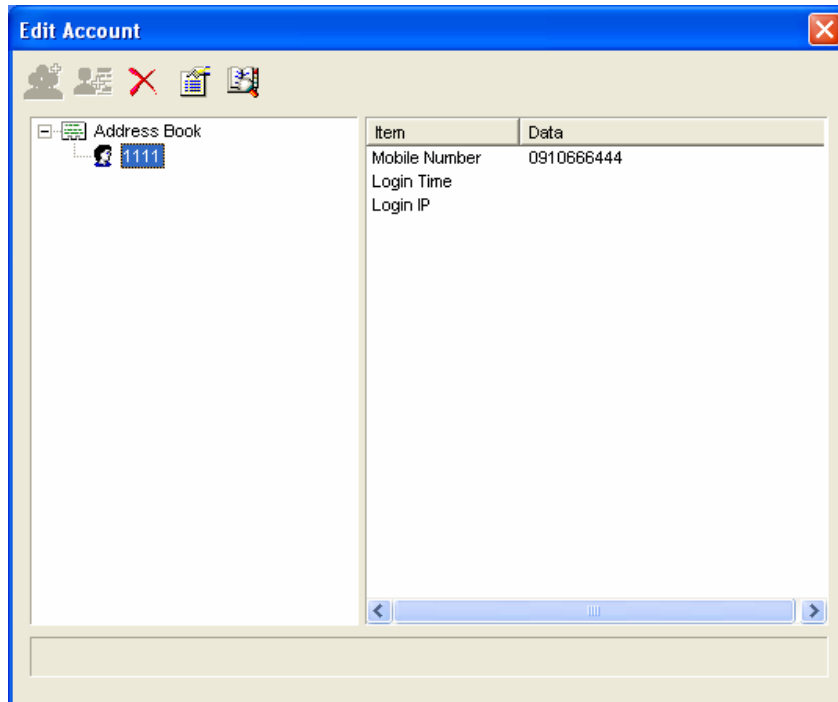
12. The prompt as below :

All of the “Login ID” , “Password” , “Country Code” , “Mobile number” , “Telephone” , “E-mail” , “Address” , “Note” must be filled in. and “Login ID” and “Password” should be matched with the ones at “**SMS alarm settings**” . And press “Save” .



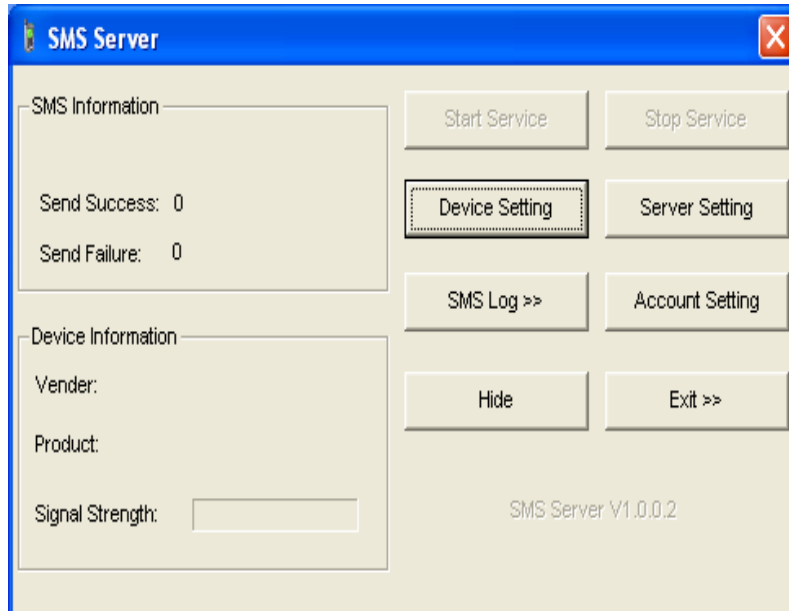
13. The prompt as below :

If you have created an Account, “1111” , you will see it is under “Address Book” , Press “X” to exit the “Account Setting” .



14. The prompt as below :

Press “Start Service” and “Exit”





Q & A

Q1 : If I need to connect to the Main Server by several SecurityEyes_Remote clients at the same time, how should I setup the Accounts ?

A1 : There' s no need to setup different accounts to login at the same time by different remote clients. The SecurityEyes Main server allows same account to login at the same time.

Q2 : Every time, after I have done the setting for Modem described in Appendix 2 for remote connection, what I need do?

A2 : Please go to Start Net Server to enable Modem Server, then the remote connection for Modem Server is ready for use.

Q3 : Could you describe the Schedule Setting and normal setting more?

A3 : Regarding Schedule Setting function, I describe the whole picture of our function as follows :



Background : Normally, for security application, there are 2 periods, which are normal working hours and off duty period.

- (1) at normal working hours(for example, from 9 : 00 to 18 : 00), since people are on duty,
 - a. you can set full time record or record by motion detect(refer to **“Enable Motion Detect”** for each camera.)
 - b. also, you need start recording and start monitor(refer to **“Record”**)
- (2) at off duty period(for example, after 18 : 00 and before 9 : 00 at weekday, the whole day for weekend, National Holiday.) since no one will be there, you can do the setting in Schedule Setting beforehand and the software will consider the setting to have higher priority over normal working hours for recording, which means all of setting (1).a will be ignored.

Now,

1. During the schedule,
 - If you want to have record by motion detect function, you need enable Record and Motion Detect.
 - If you want to full time record, enable Record only.
 - Also, the cameras should be selected.
 - (refer to **“Schedule Setting”**)
2. When the schedule ends, all of settings for normal working hours, (1).a and (1).b will start to be valid.

Note : Please be noted that, Schedule Setting is at **“Schedule Setting”** .

Q4 : Could you describe one more scenario about the Schedule Setting?

A4 : Regarding Schedule Setting function, I describe the whole picture of our function as follows :

Background : Normally, for security application, there are 2 periods, which are normal working hours and off duty period

- (1) at normal working hours(for example, in the morning), you did some setting for one schedule from 7 : 00 pm to 11 : 59 pm(off duty period) and you set it to Full Time Record by enabling Record only.
- (2) but, after the schedule starts, for example, you run back to office at 8 : 00 pm and you disable **“Start Monitor”** and want to change any settings, now, you have only 2 choices as follows :
 - a. do not change any setting until the schedule ends. or
 - b. delete the schedule entry of between 7 : 00 pm and 11 : 59 pm from the list to make the schedule invalid first, and then do the setting and add a new schedule entry again.

