

PV260/261VPRO
MPEG4 Security Video/Audio Surveillance System
User Manual

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Please remember to go to our web site, www.provideo.com.tw to download the latest version for the manual.

Version : 2.1
Date : 2005/8/25

1. Before Installation

1.1 Product Specifications

	PV260VPRO	PV261VPRO
Interface	PCI V2.2 Compliance	PCI V2.2 Compliance
Bus	1- 4 ways composite video signal	1- 8 ways composite video signal
Video-In	Resolution : 4CIF : 704*576(PAL) 、704*480(NTSC) 2CIF : 704*288(PAL) 、704*240(NTSC) CIF : 352*288(PAL) 、352*240(NTSC) QCIF : 176*144(PAL) 、176*120(NTSC)	Resolution : 4CIF : 704*576(PAL) 、704*480(NTSC) 2CIF : 704*288(PAL) 、704*240(NTSC) CIF : 352*288(PAL) 、352*240(NTSC) QCIF : 176*144(PAL) 、176*120(NTSC)
	Frame ratio : 25F/S, 30F/S	Frame ratio : 25F/S, 30F/S
	Output code ratio : 32kbps-1000kbps(CIF) 70kbps-4000kbps(4CIF)	Output code ratio : 32kbps-1000kbps(CIF) 70kbps-4000kbps(4CIF)
Audio-In	4 ways audio input Sampling ratio : 16KHz Output code ratio : 16kbps	8 ways audio input Sampling ratio : 16KHz Output code ratio : 16kbps
Video Format	NTSC/PAL	
Software with product	1.Window 2K/XP (WDM) driver 2.Application Software	
System requirement	Intel Pentium 4 – 1.8 GHZ processor or higher. Minimum 256MB DRAM 2X CD Rom Drive MS Windows 2K/XP PCI / AGP VGA Card and Monitor Sound Card and Network Card	

✧ PV-260/261VPRO is not suitable for the motherboard of VIA chip.

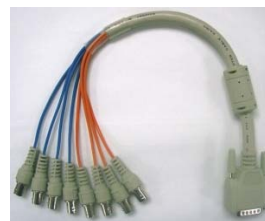
1.2 The Contents of Package

1. PV260/261 MPEG-4 Capture Card
2. Video and Audio Input Cable
3. Audio Cable (For Multiple Card)
4. Audio Cable (For Single Card)
5. User Manual
6. Installation CD

1. PV260/261VPRO MPEG-4 Capture Card



2. Video and Audio Input Cable



3. Audio Cable (For Multiple Card)

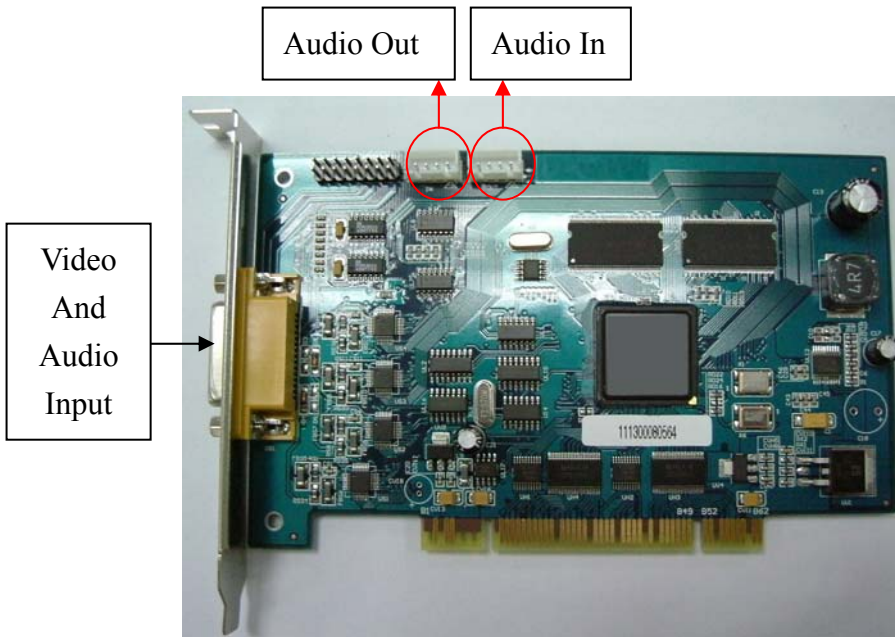


4. Audio Cable (For Single Card Only)

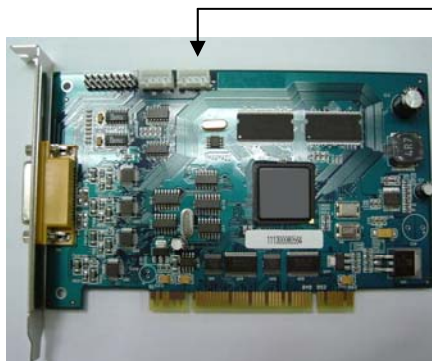


1.3 PV260/261VPRO Connection

PV260VPRO



- PS :
1. When you only install one card, AUDIO OUT needs to connect with SOUND CARD (AUX IN or CD-ROM IN)
 2. When you install multiple cards, AUDIO OUT needs to connect with AUDIO IN of second card as below pictures.

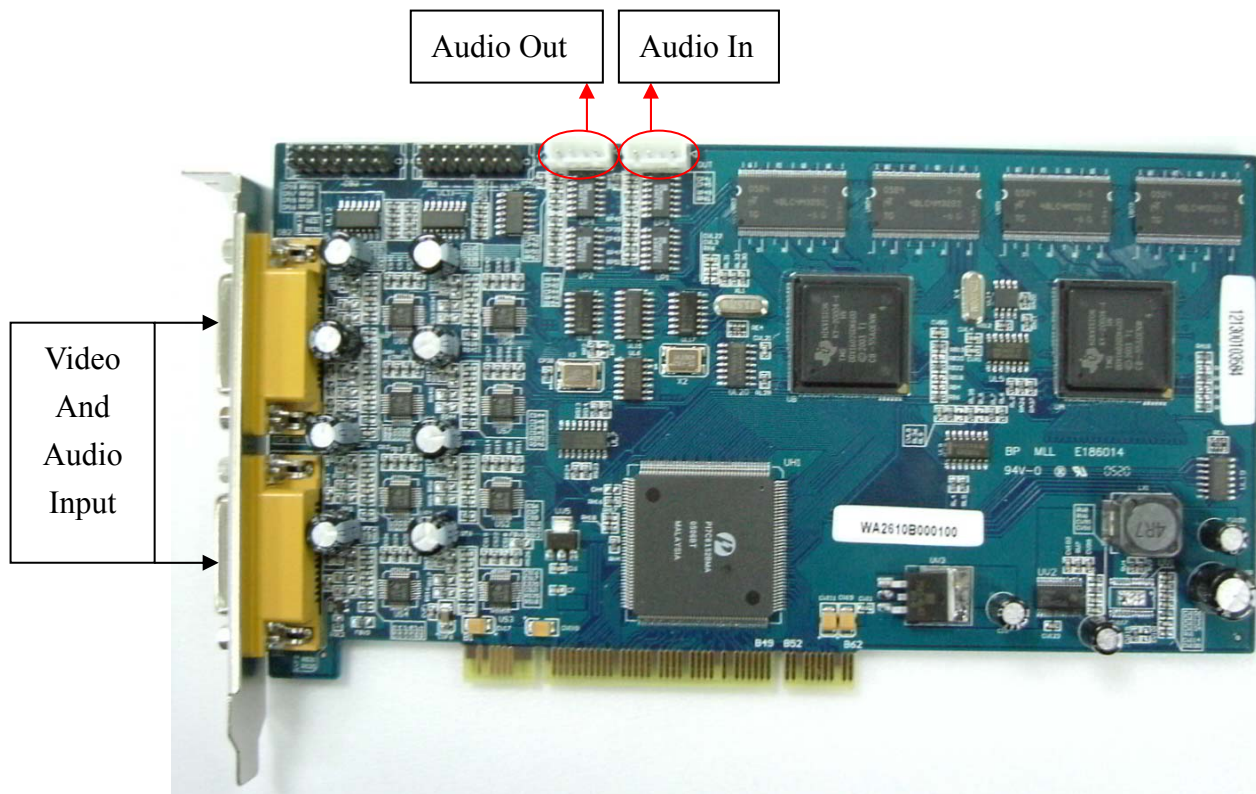


First Card

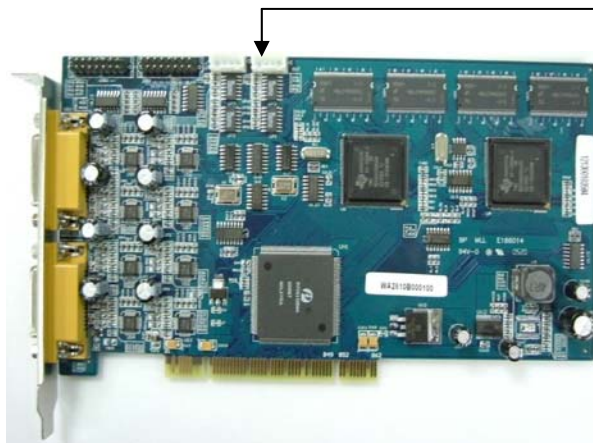


Second Card

PV261VPRO Connection



- PS : 1. When you only install one card, AUDIO OUT needs to connect with SOUND CARD (AUX IN or CD-ROM IN)
2. When you install multi-cards, AUDIO OUT needs to connect with AUDIO IN of second card as below pictures.

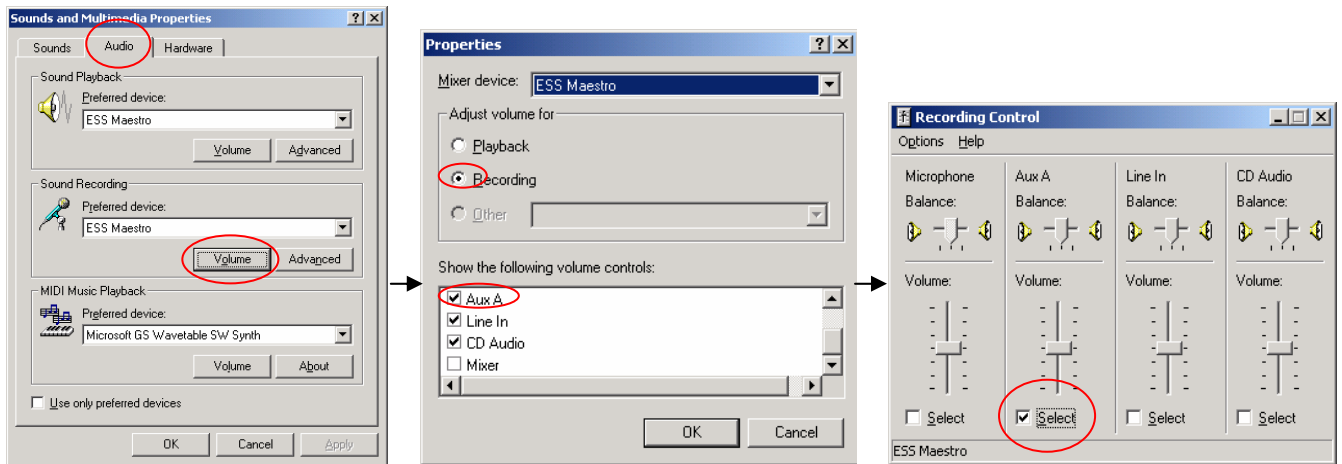


First Card



Second Card

Before Proceeding to the use of PV260/261VPRO MPEG4 Security Software, you need to click “**Start**” from the PC and choose “**Control Panel**”, then choose “**Sounds & Multimedia**”, click “**Audio**”, “**Volume**” and click “**Recording**” and “**Aux A**”(for example, if the input is Aux A on motherboard), and click the check box of “**Select**” for Aux A. (see below diagrams).



2. Notices Before Installation

2.1 Hardware Portion

As PV260/261VPRO is a PCI video capture card , Please make sure there are available PCI slots for PV260/261VPRO insertion.

2.2 Software Portion

Sorry, for user of Windows NT, PV260/261VPRO does not support. PV260/261VPRO only supports Windows™ 2K/XP application.

✧ **This package of driver & application software are based on BRAND NEW structured programming. If you install old version of driver and software before, please un-install them and then install these new driver and application software. Or it may cause some unexpected errors in system.**

✧ Before using this software, it is suggested to read the documents in CD and the package.

✧ For Net(Remote) Client & Center users, they can use the software on Win98/ME/2K/XP.

✧ For PDA Client, it is to connect with surveillance Server Site from PDA on WinCE OS.

3. Installation

Please follow the below steps to install device driver and application software.

3.1 Install PV260/261VPRO Card (For Server Site)

- a. Turn-off your computer.
- b. Open the case.
- c. Plug the PV260/261VPRO card into the empty PCI slot, and screw the card on tightly.
- d. Close the case and Turn-on your computer.

3.2 Install PV260/261VPRO Device Driver (For Server Site)

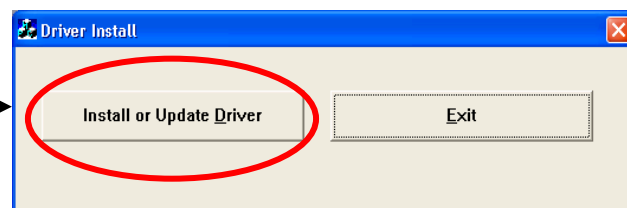
When you turn on PC, the system will detect the new hardware and will start to install automatically. In the meantime, insert the PV-260/261VPRO Installation CD into your CD-ROM device, and then the prompt of auto running will be shown on screen. And follow the below steps with wizard guide, until the installation is finished.

Step 1 : **Please CANCEL the installation wizard prompted by operating system.** And follow below steps.

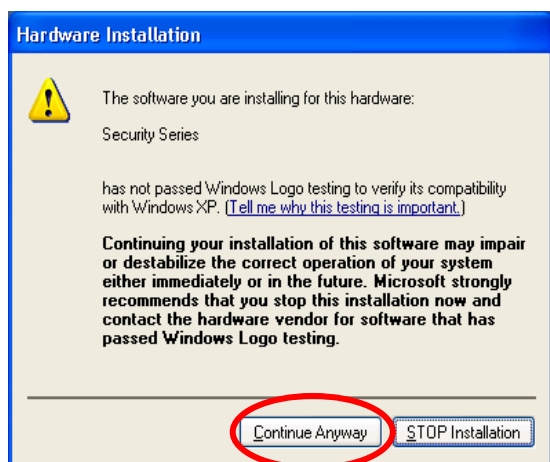
1-1 Select “INSTALL DRIVER” from the menu then click the icon.



1-2 Click “**Install or Update Driver**” to continue the installation.



1-3 After some time, there'll be a message box to be prompted, please press(select) “Continue Anyway”. Please reboot your PC to enable the drivers installed in your system.

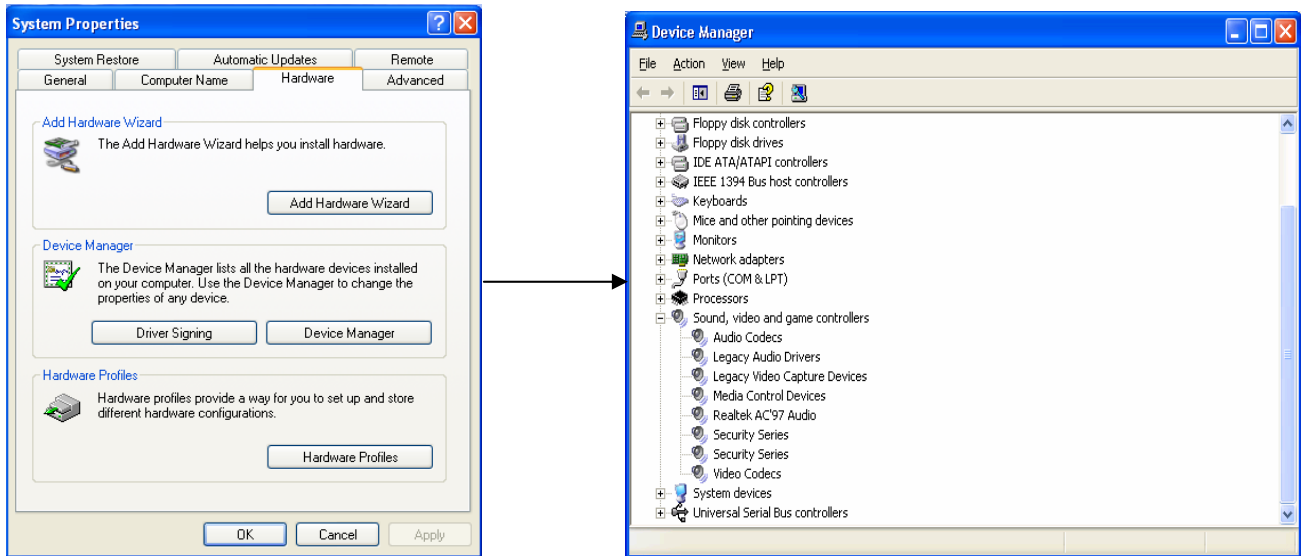


After press “**Continue Anyway**”, please re-boot your PC.

After PC is re-booted, all drivers will be installed well in your system.

NOTE : The Auto Installing program for Drives set E driver as default. If your CD ROM drive is not E, for example, it is drive F, then you need assign the path of “h264_d1.sys” file under drive F in the Installation CD at the prompt during the driver installation process.

After finished the installation of Driver, please right click “**My computer**”, then picks “**properties**”, “**Hardware**”, “**Device Manager**”. (See below)



You will see the “**H264 Series**” driver(s) is installed completely in “**Sound, video and game controllers**” item of Device Manager.

List of H264 Series drivers :

1*PV260VPRO : 1*H264 Series driver in device manager.
2*PV260VPRO : 2*H264 Series drivers in device manager.
3*PV260VPRO : 3*H264 Series drivers in device manager.
4*PV260VPRO : 4*H264 Series drivers in device manager.

1*PV261VPRO : 2*H264 Series drivers in device manager.
2*PV261VPRO : 4*H264 Series drivers in device manager.

3.3 Install PV260/261VPRO MPEG4 Security Software

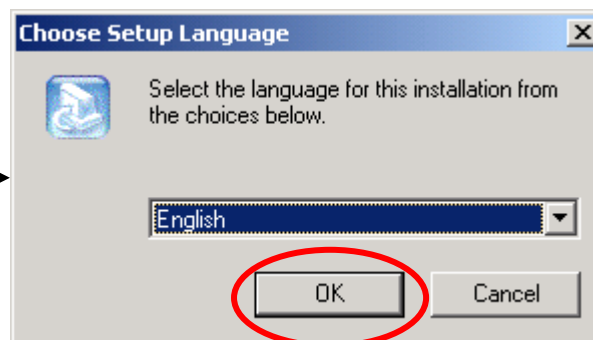
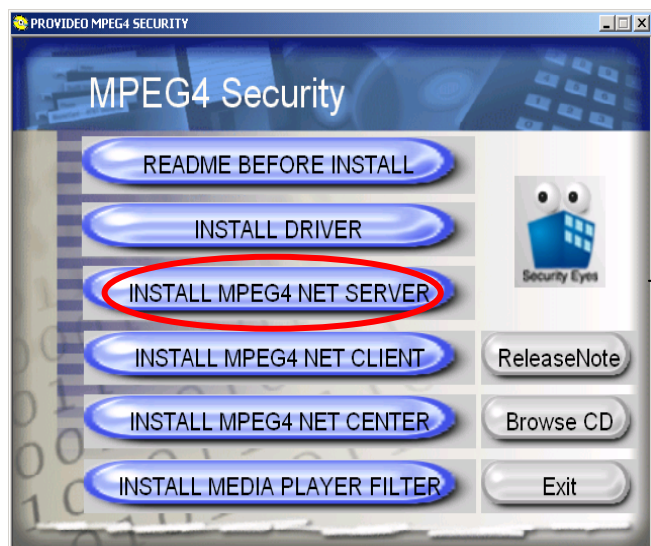
It is the installation and setup process of application software for Server Site and Client Site.

3.3.1 Install MPEG4 Security Software – Server Site

Step 1 : Insert CD-ROM into your CD-ROM Device, then the prompt of auto running will be shown on screen.
And follow the below steps with wizard guide, until the installation is finished.

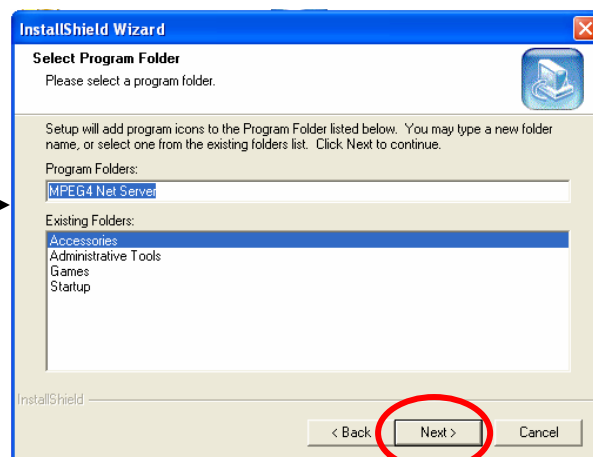
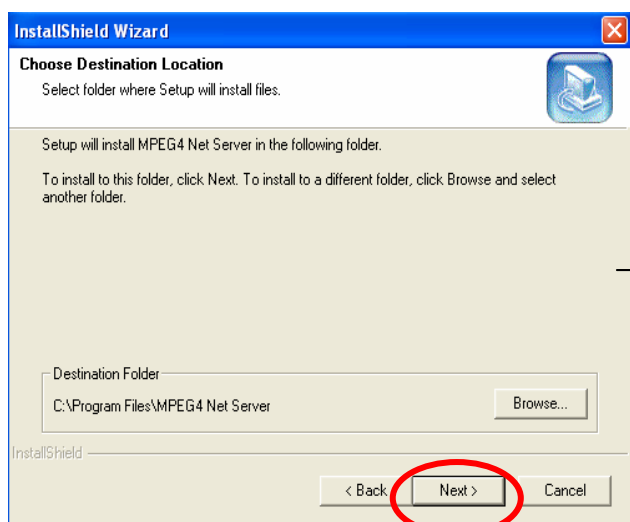
Step 2 : Click “INSTALL MPEG4 NET SERVER”
to install the application.

Step 3 : Select the language you want to use.

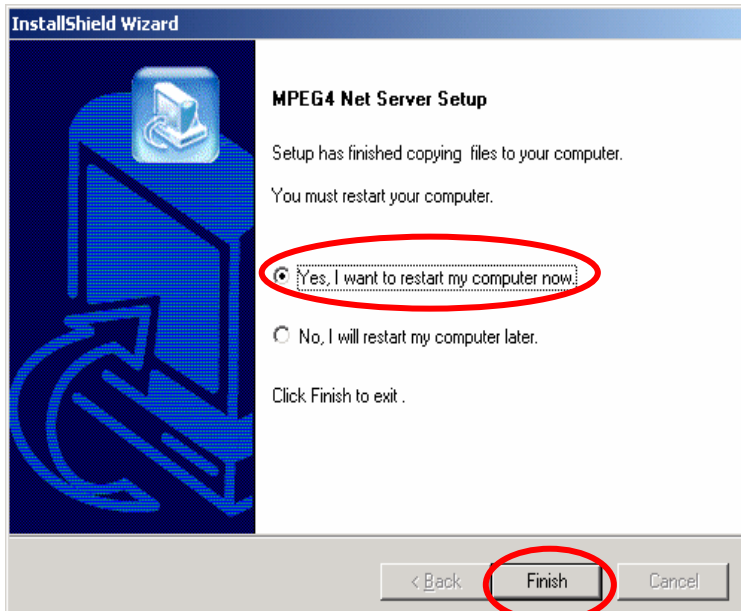


Step 4 : Click “Next” button to continue installation.

Step 5 : Click “Next” button to continue installation.



Step 6 : Press “**Finish**” to complete the installation.



Please select “**Yes, I want to restart my computer now**” to re-boot your machine now.

3.3.2 Install MPEG4 Security Software – Client Site(Client, Center)

About Net(Remote) Client & Net(Remote) Center, please install according to the above steps. What you’ll do is to select “Net Client” or “Net Center” for installation.

3.3.3 Install MPEG4 Security Software – Media Player Filter

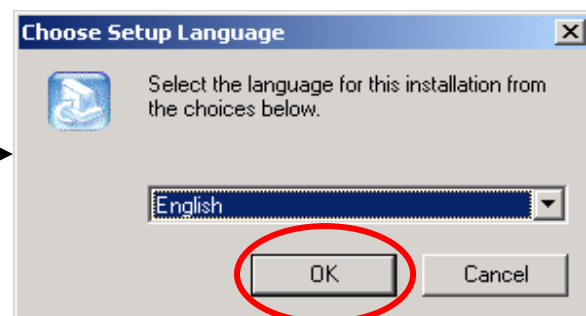
This filter is for users to playback the recorded video files or net stream by Microsoft™ Media Player. Please note it only supports English language. If you use non-English OS, some un-readable characters will be shown during installation, but the decoder function on Media Player still can work fine.

Step 1 : Insert CD-ROM into your CD-ROM Device, then the prompt of auto running will be shown on screen. And follow the below steps with wizard guide, until the installation is finished.

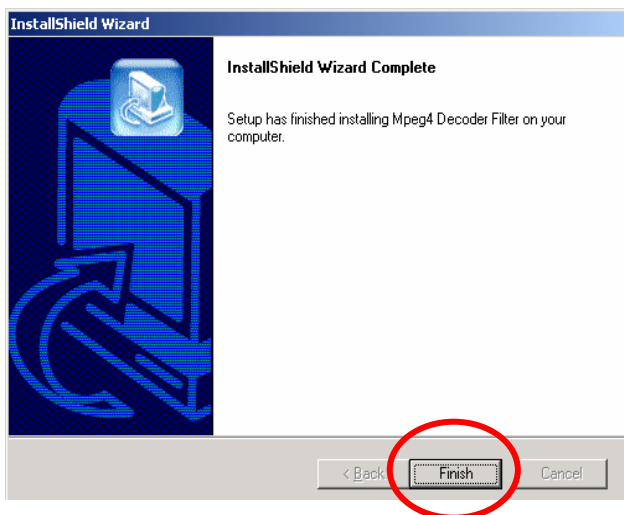
Step2 : Click “INSTALL MEDIA PLAYER FILTER” to install the filter.



Step3 : Select the language you want to use.



Step4 : After some time, please click “Finish” to complete the installation as below message box pops up. And then try to playback video files of H.264 format by Microsoft™ Media Player.



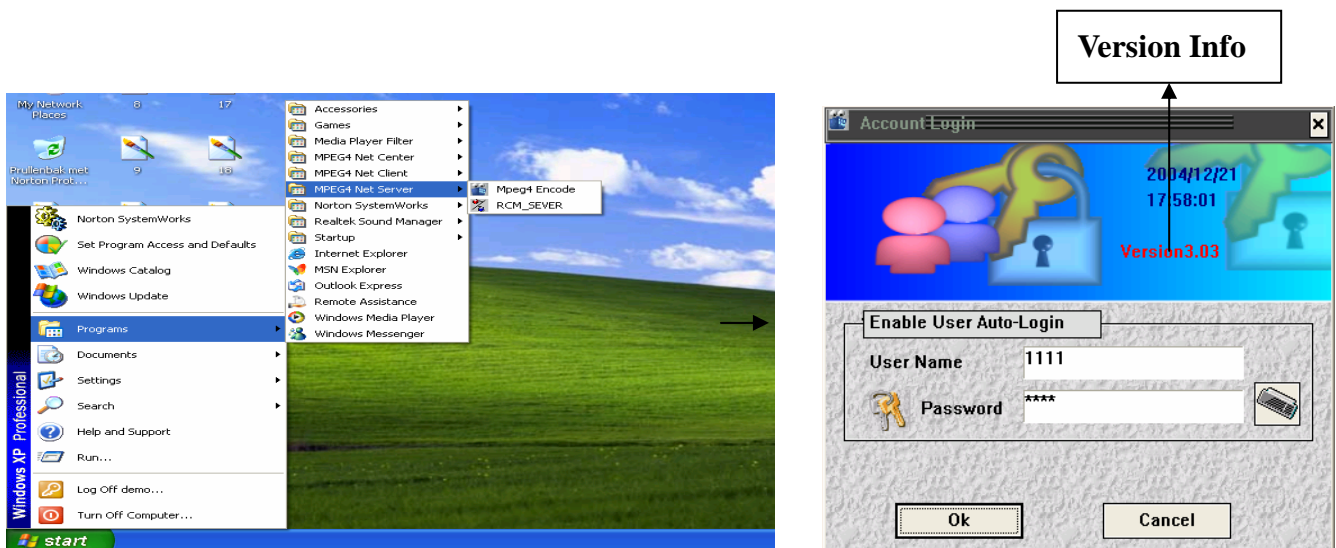
4. USE of PV260/261VPRO MPEG4 Security Software

This Chapter discusses general information for the Server Site and Client Site. Now, please connect camera(s) to the video inputs. Once you have finished installing the software, a new group of the program file and icon of the program will be created for you. See the following example about how to start Security Eyes Software.

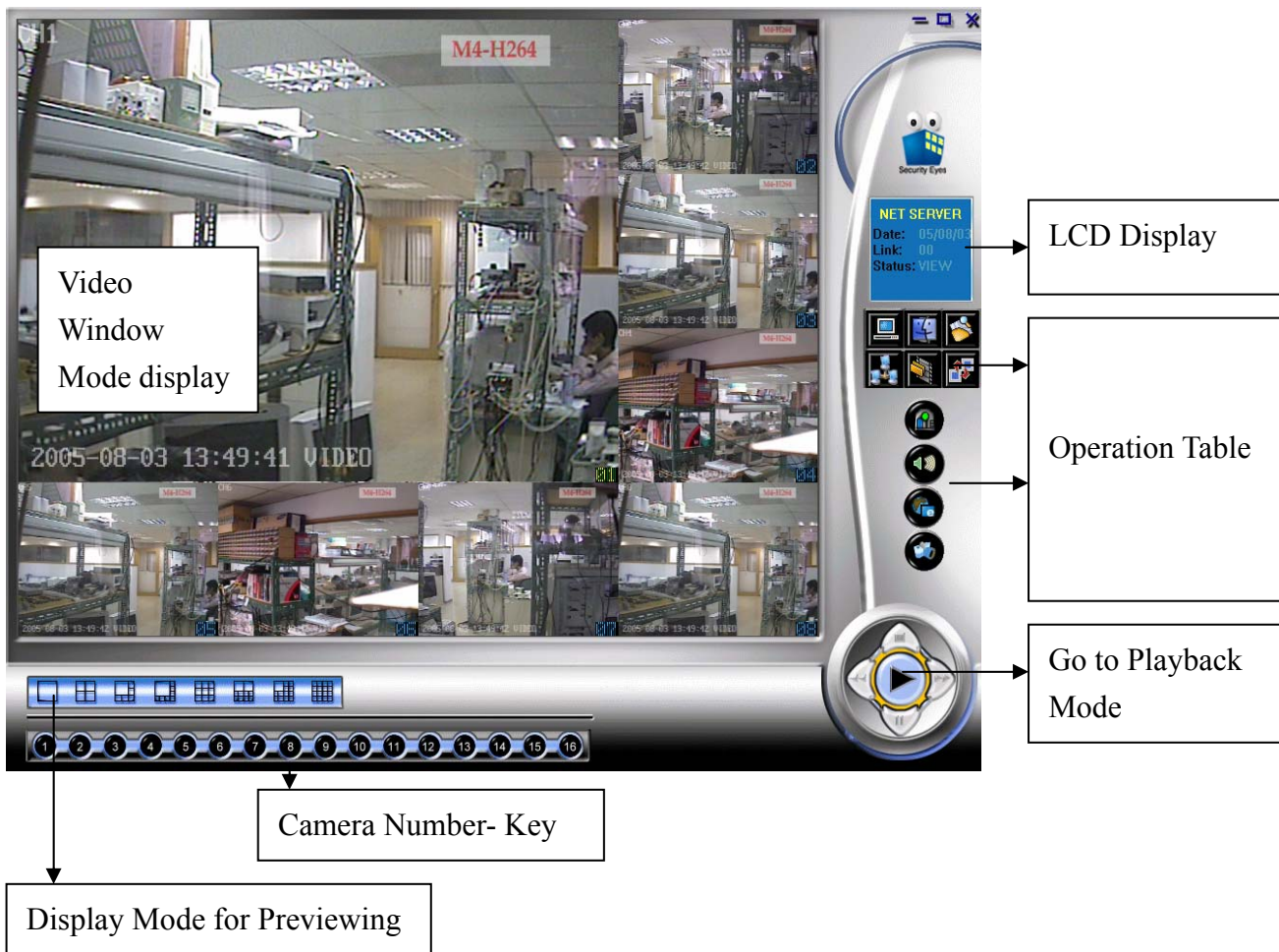
Note : Please set the resolution to **1024 x 768** and **16 bit High Color**.

Click “**Start**” from Tool menu, Select “**Programs**”, Pick “**MPEG4 Net Sever**”, “**MPEG4 Encode**”. MPEG4 Encode is MPEG4 Security Software.

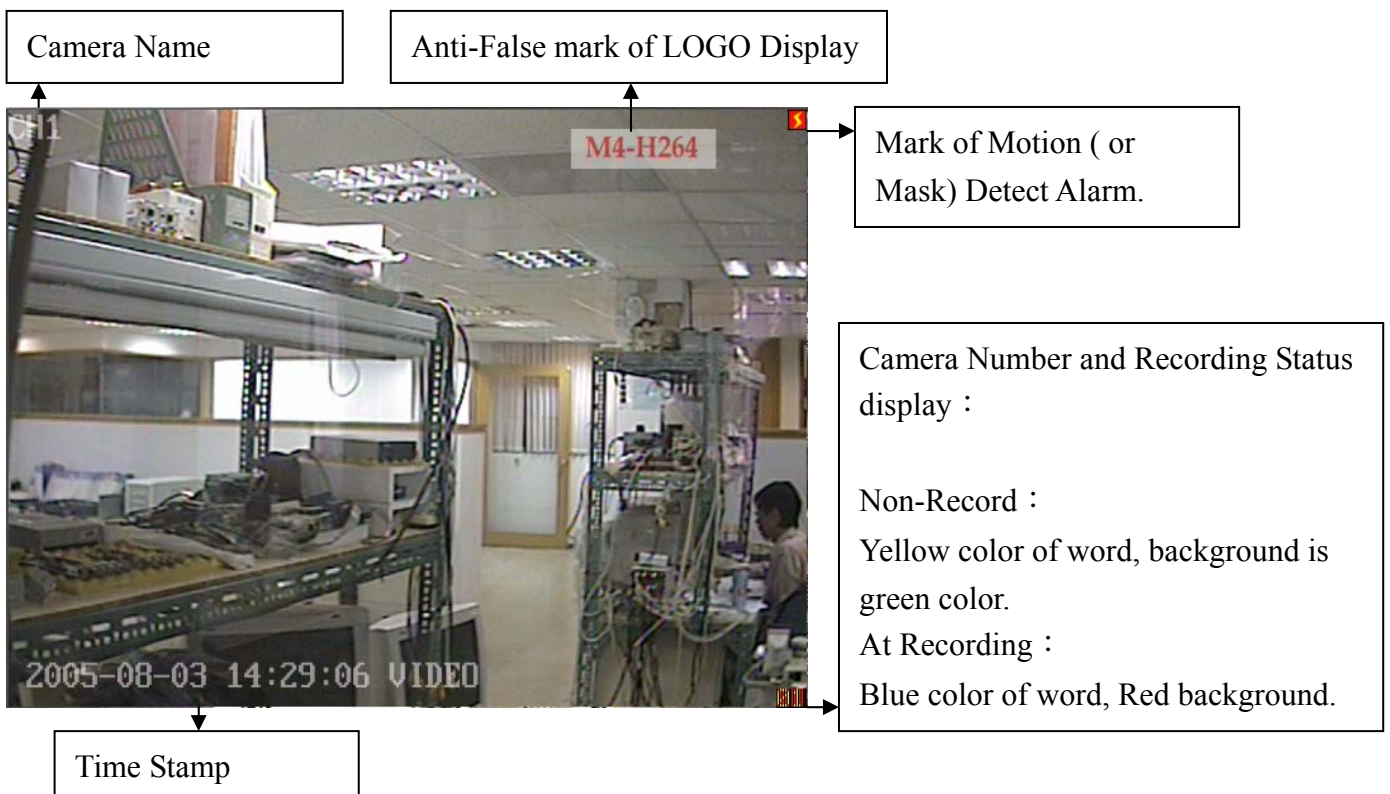
If it is the first time to start MPEG4 Security Software, the login window will be shown as below : Both of the default User Name and Password are “1111”. Just click “Ok” to login.

















4.1 Introduction to Functions – Server Site



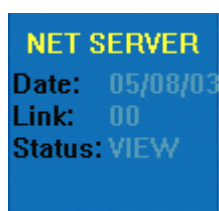
Introduction of Video Window Mode :



The brief introduction of each button of Operation Table or Main Screen on Server(Local) Site is as follows :

	System Settings		MUTE
	Account Setting		E. Map
	Even List		Snap A Picture
	Start Net Server		Minimize window into the Toolbar
	Record		Maximum the Previewing Display (F4)
	Channel Switch		Shut Down the surveillance system
	PTZ Control		Logo of this application software

--LCD Display



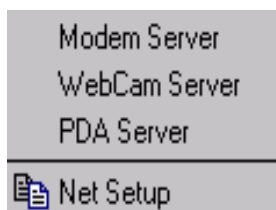
Display the date, number of linked Client/Center Sites and video display status.

--Camera Number-Key :



You can choose 1-16 camera to be shown on the main screen

4.1.1 Set Net Server



【Modem Server】: Enable this function will allow Net(Remote) Client/Center to connect with Server via modem.

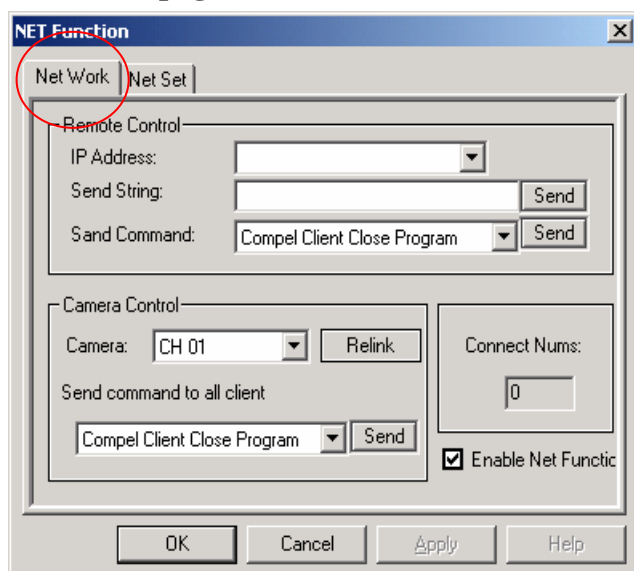
【WebCam Server】: Enable this function will allow remote site to connect with Server Site by IE browser and Net Client and Net Center.

【PDA Server】: Enable this function will allow PDA Client to connect with Server Site.

Before Server Site connecting to Net(Remote) Client Site, you need to set “Network function” here
Click “Net Setup” to go to below setting :

-- Net Setup functions

Net Work page :



Remote Control--

IP Address:

When Net(Remote) Client Site links to Server Site, it will show the IP address of Client Site automatically.

Send String :

Send String to Net Client Site

Send Command :

Send Command to Net Client, you can press drop-down menu to pick the command you would like to send. (See below)

Send Command : Compel Client Close Program Send

Channel Set: Compel Client Close Program
Compel Client Reconnect
Compel Client Stop All Connect

1. Compel Client Close Program : Compel to close program in Net Client Site.
2. Compel Client Reconnect : Reconnect the program in Net Client Site, by doing this, the Client Site needs to be set as the status of connection.
3. Compel Client Stop All connect : Stop the preview screen in Net Client Site.

Camera Control--

Camera Control

Camera: CH 01 Relink

Send command to all client

Compel Client Close Program Send

Channel Set: You can send command to Net Client Site for the individual channel. Process as below :

1. Choose the channel.
2. Choose the command you want to send. See below diagram :

Send Command :

Compel Client Close Program Send

Compel Client Close Program
Compel Client Reconnect

Connect Nums:

0

Display the window numbers that Net Client Site has connected to

☒ Enable Net Function

The check box of Enable Net Server function

Net Set page :

NET Function

Net Work Net Set

Connect Mode

☐ Modem ☒ Normal

Remote Start

<input checked="" type="checkbox"/> Camera00	<input checked="" type="checkbox"/> Camera01	<input checked="" type="checkbox"/> Camera02	<input checked="" type="checkbox"/> Camera03
<input checked="" type="checkbox"/> Camera04	<input checked="" type="checkbox"/> Camera05	<input checked="" type="checkbox"/> Camera06	<input checked="" type="checkbox"/> Camera07
<input checked="" type="checkbox"/> Camera08	<input checked="" type="checkbox"/> Camera09	<input checked="" type="checkbox"/> Camera10	<input checked="" type="checkbox"/> Camera11
<input checked="" type="checkbox"/> Camera12	<input checked="" type="checkbox"/> Camera13	<input checked="" type="checkbox"/> Camera14	<input checked="" type="checkbox"/> Camera15

OK Cancel Apply Help

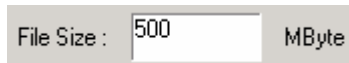
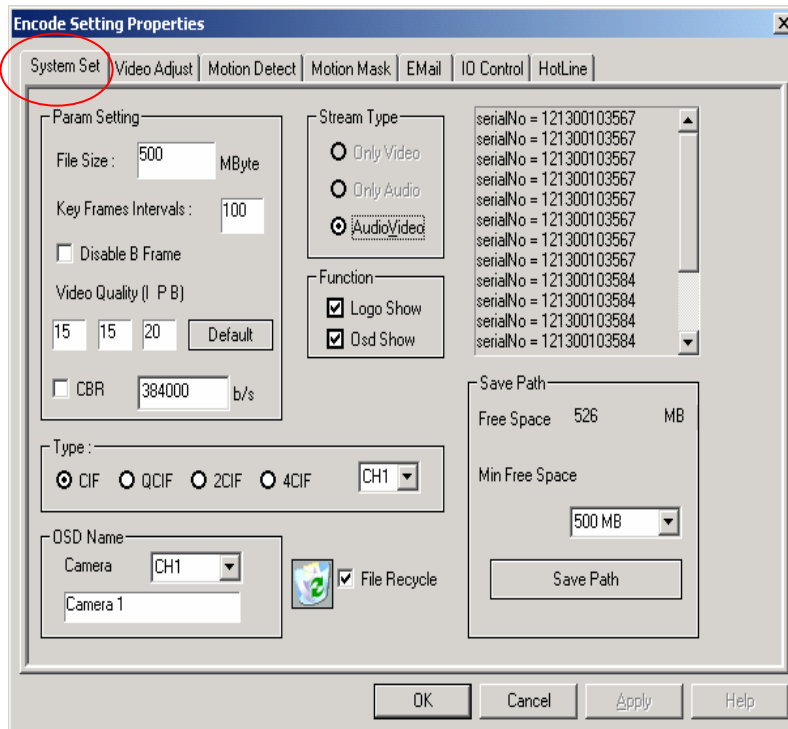
You can set connection mode by choose “Modem(Dialing)” or “Normal” (TCP/IP) “ according to which one you are using. Choose channel you will like to connect to



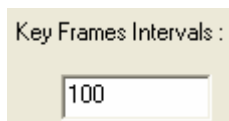
4.1.2 System Settings :

When you click this icon, there are some setups functions needed to be processed. Here is the detailed introduction of each function settings.

-- System Set :



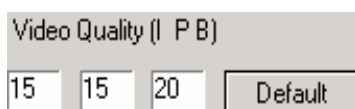
When a recording file exceeds this size you set here, the file will be saved and closed then a new file will be created to continue the recording session.

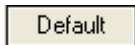


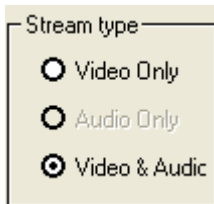
Key Frames Intervals : To set the values of key frames intervals.



Disable B Frame : Enable this function can ignore the B frame in MPEG-4 compression..



Video Quality(I P B) : To set Capture Quality between 12-30 here or you can just press  button to set as default.



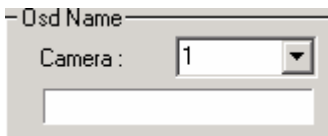
Stream type

☐ Video Only

☐ Audio Only

☒ Video & Audio

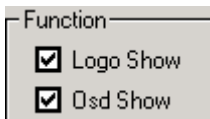
You can choose the Stream type from here : Video Only or Video and Audio both.



Osd Name

Camera :

Osd Name : Change the Camera name by filling in the blank. After clicking Osd Show check box, the Osd name you input shown on the main screen.



Function

☒ Logo Show

☒ Osd Show

Set function--

Osd Show : You can set Osd enable by click check box in the left, then you will see the Osd (On Screen Display) shown on the main screen.

Logo Show : You can set Logo enable by click check box in the left, then you will see the Logo (M4-H264) shown on top right corner of the main screen.



Type :

☒ CIF ☐ QCIF ☐ 2CIF ☐ 4CIF

Type : To set the resolution of recording for individual channel.

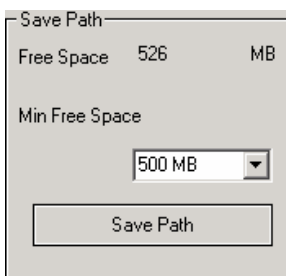
serialNo = 10300075
serialNo = 10300076

Serial No : display the sources serial number of each image.



☐ Disk Recycle

Disk Recycle : Enable this function will overwrite the oldest video files when the recording exceeds the size which you set in Min Free Space as below setting.

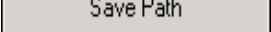


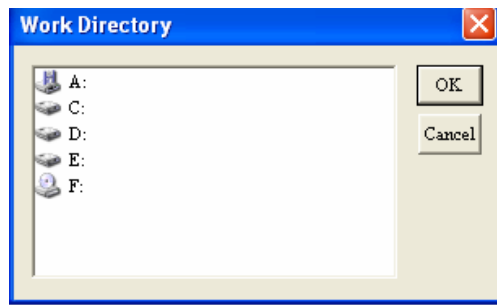
Save Path

Free Space 526 MB

Min Free Space

Save Path :

You can set the Save Path by clicking  button; then you will see the following diagram :



Pick the directory to be Save Path, and then press OK. When there is no space for 1st Path, the system will save files to 2nd Path accordingly.

-- Video Adjust : Setup the Video Source

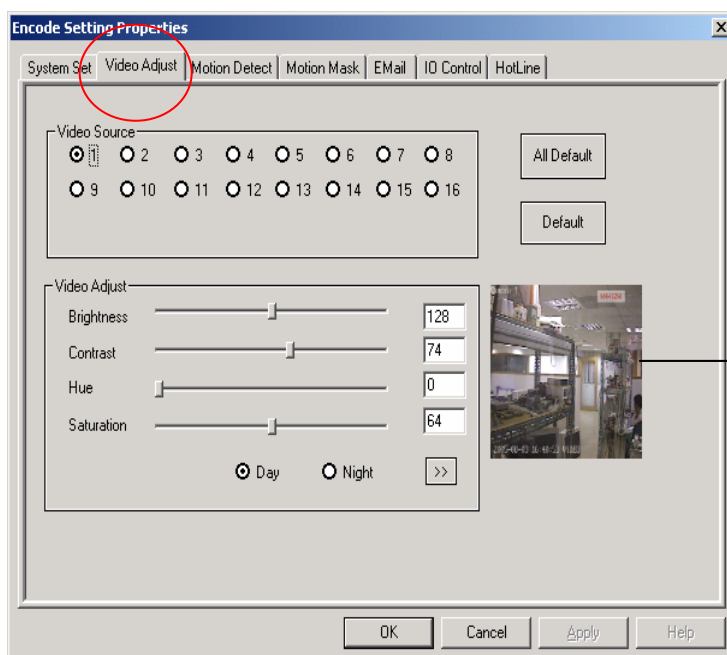



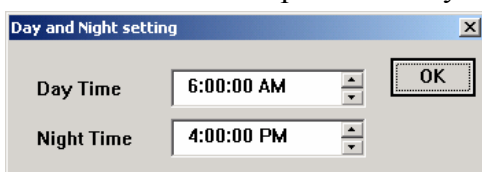
Image display area

You can adjust each above setting and see the adjusted video quality on Window or just simply click “**Default**” button back to the default settings. You can also click “**All Default**” to set every camera as default values.



Day time & Night time setting : User can define the different video values of the Day or Night time.

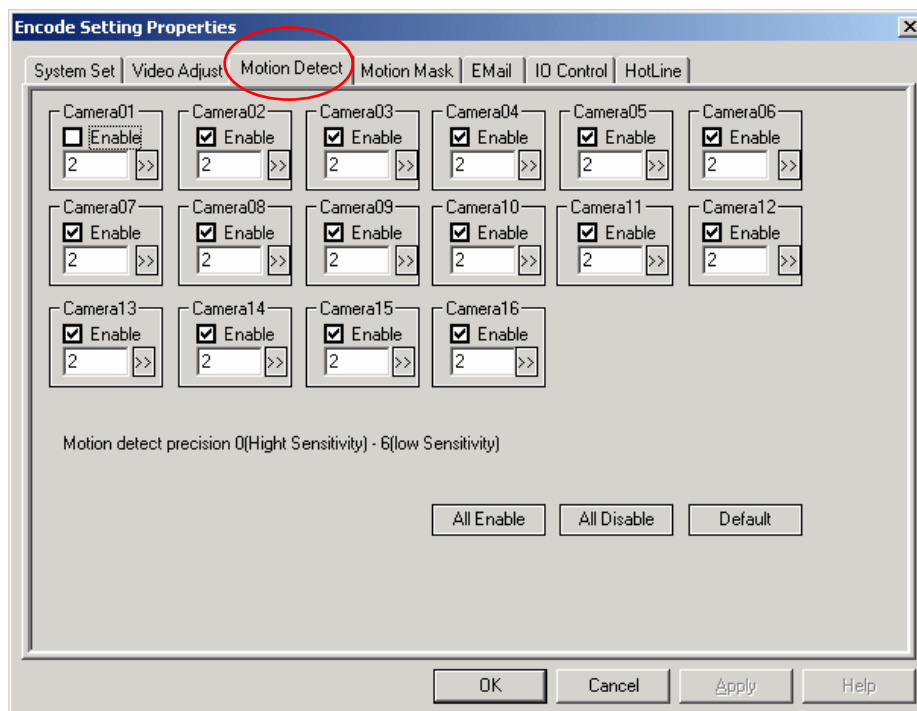
Press  to set the period of Day time and Night time.


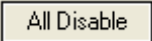



After setup, press OK to apply the setting.

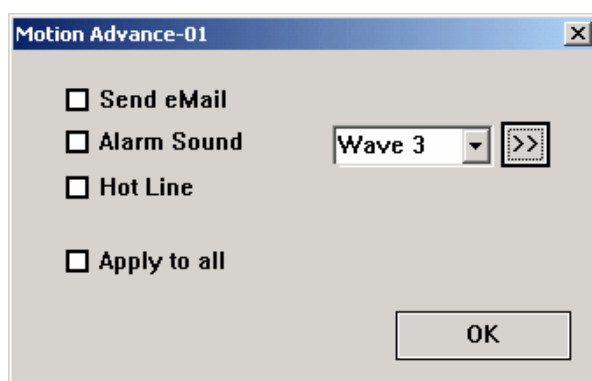
Take the example as the above figure, the setting means, Night Time is from 6:00 AM to 4:00 PM, and the other period is Day Time.

-- Motion Detect :



Choose the particular camera and click the check box to enable Recording by Motion Detect, or you can simply to click  button to enable Recording by Motion Detect for all camera(s). You can also click  button to disable this function for all camera(s). Choose the Motion Detect precision between 0-6, smaller numbers you choose, more sensitive for motion detection.

Motion Detect Advanced Setting : We provided different Alarm of Motion Detect, please press  to check as below.



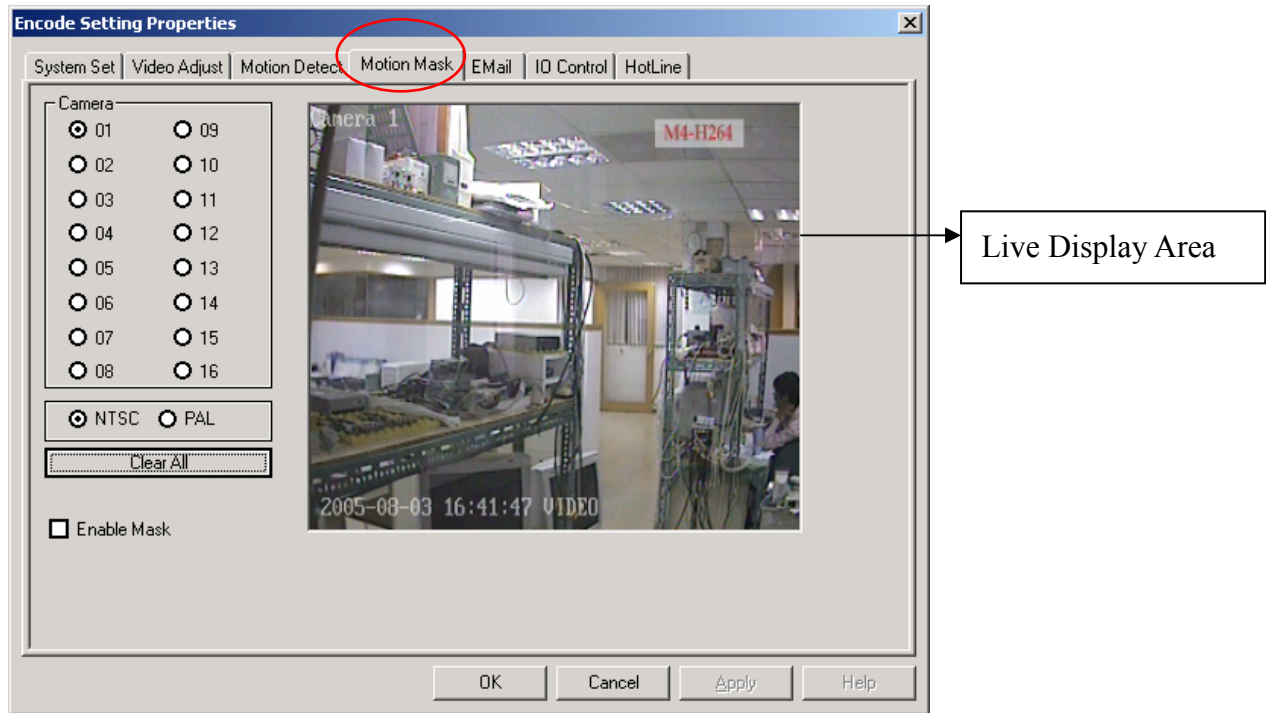
Send eMail : Send alarm email out if Motion Detect is detected.

Alarm Sound : Alarm Sound out if Motion Detect is detected. Press  to play the audio.

Hot Line : Call the Hot Line out if Motion Detect is detected.

Apply to all : Appple the above settings to ALL CAMERAS.

-- **Motion Mask** : Set Mask for Motion Detection.



How to setup Motion Detection Area :

1. Choose the camera for motion detect to enable “Motion Detect” function.
2. Choose the camera for adding Mask area : click ☒ **Enable Mask** check box then use mouse to draw out the detection area on the screen.
3. Remove Mask Filter : If you want to delete mask filter you have set, please click .
4. **Enable Mask** ☐ **Enable Mask** : Check the box and then the MASK will be enabled to monitor.

-- E-Mail : Set E-Mail Alarm

The screenshot shows the 'Encode Setting Properties' dialog box with the 'E-Mail' tab selected. The 'E-Mail' tab is circled in red. The dialog contains several input fields and checkboxes for configuring email settings. The 'SMTP*' field is set to '0.0.0.0'. The 'Sender*' field is empty. The 'Receiver*' field is empty. The 'Carbon Copy' and 'Blind Carbon' fields are empty. The 'Subject*' field is set to 'Security Server alarm'. The 'Content*' field is set to 'Security Server alarm'. The 'E-Mail Setting' section has an 'Interval Time' of '10' seconds. The 'Capture Setting' section has a 'Delay' of '500' ms and a 'Number' of '1'. The 'Attach JPEG' checkbox is checked. The 'Auto Send IP' checkbox is checked. There is a 'Setting' button next to the 'Auto Send IP' checkbox and a 'Test To Deliver' button at the bottom right. The 'OK', 'Cancel', 'Apply', and 'Help' buttons are at the bottom of the dialog.

SMTP* 0.0.0.0

Please input the IP address or domain name of SMTP server.

Sender*

Please input the email address of sender.

Receiver*

Please input the email address of email alarm receiver.

Carbon Copy

Blind Carbon

It is for CC and BCC, it is not necessary to fill them.

Subject* Security Server alarm

Please input the subject of the alarm email.

Content* Security Server alarm

Please input the content of the alarm email.

The screenshot shows the 'E-Mail Setting' section of the dialog. It has a title bar 'E-Mail Setting' and an 'Interval Time' field set to '10' with a '\$' symbol next to it.

Set the interval time of email sending, not less than 10 seconds suggested.

The screenshot shows the 'Capture Setting' section of the dialog. It has a title bar 'Capture Setting' and two input fields: 'Delay' set to '500' with 'ms' next to it, and 'Number' set to '1'. There is a checked checkbox for 'Attach JPEG'.

Set to attach JPEG file on alarm email.

The screenshot shows a checked checkbox labeled 'Auto Send IP Mail' and a 'Setting' button next to it.

Set to send Server Site's IP automatically.

The screenshot shows a button labeled 'Test To Deliver'.

After all set well, press to test the email alarm function.

-- **IO Control** : IO Control configuration.

The screenshot shows the 'Encode Setting Properties' dialog box with the 'IO Control' tab selected. The 'Type' is set to 'PT-811M'. The 'Sensor Number' is 'DI 1'. The 'IO Address' is '1'. The 'Out Control' section shows checkboxes for ports 01 through 08. The 'Out Type' section has radio buttons for 'ON', 'OFF', 'Flash ON', and 'Flash Off'. The 'Time' is set to '0' seconds. The 'Sensor Name' field is empty. The 'Enable' checkbox is unchecked. The 'Setting' and 'Get' buttons are next to the 'IO Address' field. The 'OK', 'Cancel', 'Apply', and 'Help' buttons are at the bottom.

Type : IO Module, Select IO module, now we only support PT-811M module.

Sensor Number : Select the Sensor for invoked input signal.

IO Address : Set up the IO address by click “Setting” button manually, or just click “Get” button to auto detect the IO address.

Out Control : Select the digital port for output when Sensor is detected by any unusual state.

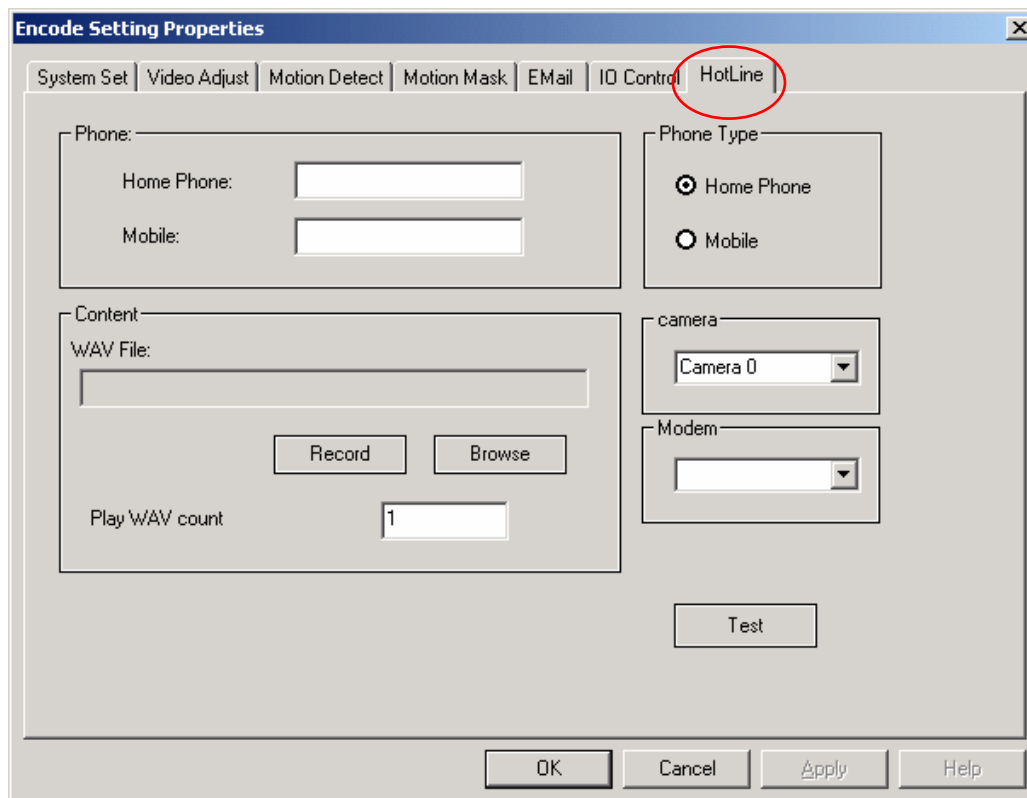
Out Type : Select the type of signal of output when Sensor is detected by any unusual state.

Time : Set up the duration for output signal when Sensor is detected by any unusual state.

Sensor Name : Input the sensor name.

Enable : After completing IO Control configuration, please click this check box to enable this function.

-- HotLine :



Phone : Input the phone number for system to dial up when unusual motion is been detected.

Home Phone or Mobile : Select the type of Phone for Hot Line connection.

✧ Note ✧

1. Pick up the Telephone or Mobile phone after you hear ringing.
2. Please press “*” button before finishing the connection.

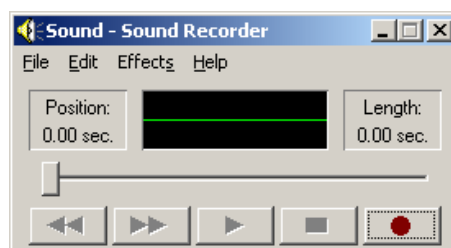
The connection will be disabled after 37 seconds.

WAV File : Choose the wave file of notification when unusual motion is been detected.

Record : You can also make the wave file you like by pressing this button.

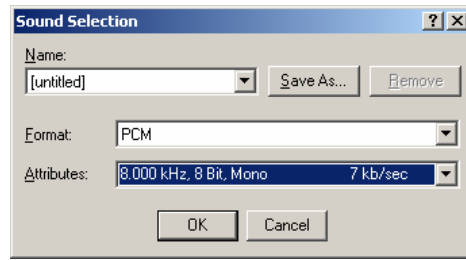
Note : Before do the recording your own wave file; you need to connect Microphone to Sound Card of PC.

Recording Step 1 : Press “Recode” button, start to record your voice message by the Microphone, when you finish, press “stop” button. (See following picture)

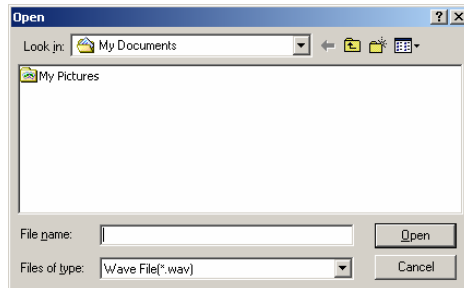


Recording Step 2 : Press “Play” button to play the file you just recorded. For saving the file, please go “File” → “Save As...” → “Change”, pick up the file format as “PCM

8000kHz, 16 bit”, then press “Ok” button. (See following picture)



Browse : Click this button to browse the Wave file and select the Wave file for notification when unusual motion is been detected. See below picture.

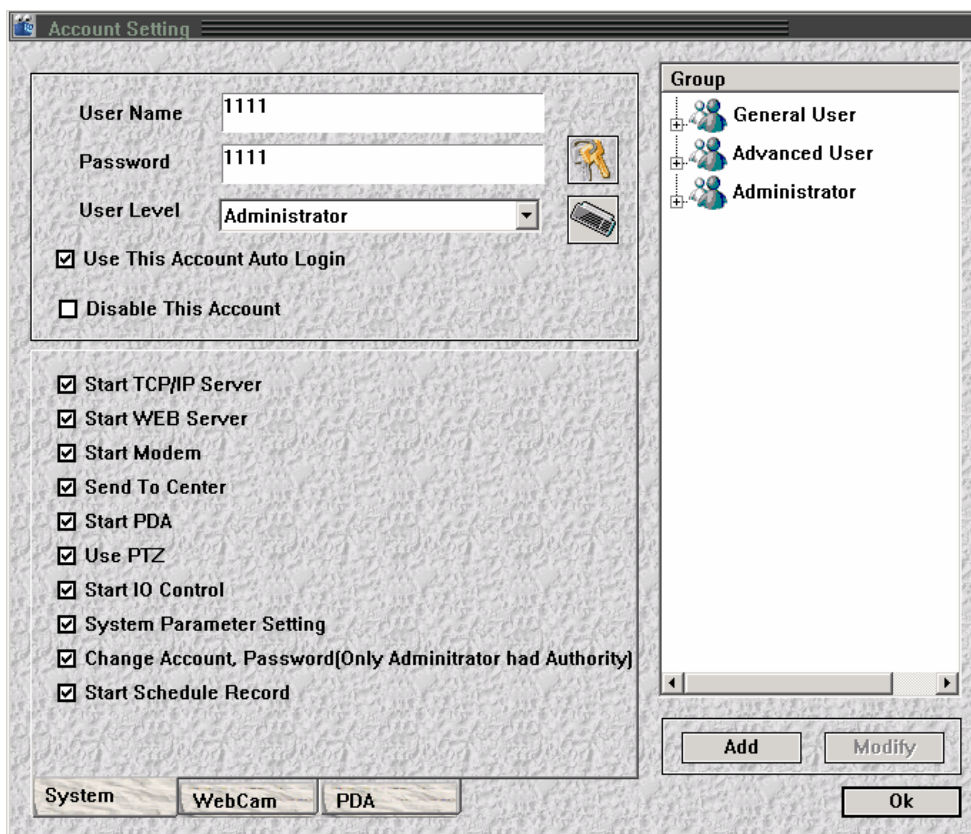


Play Wave Count : set the times of play of wave file when unusual motion is been detected.

Camera : Choose the camera for hot line connection.

Modem : Choose the modem type for hot line connection.

4.1.3 Account Setting :



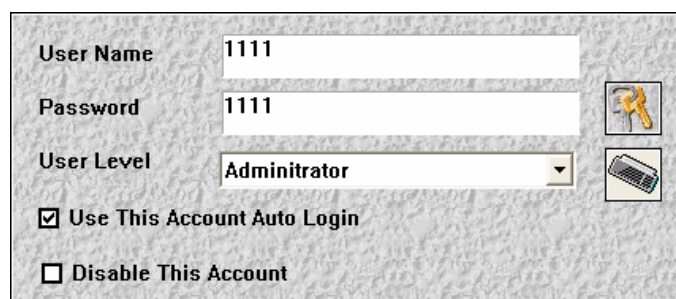
At first, we enter “Account Setting”, we can see there’s already one default account in Administrator Group of Group list. It can be kept, modified or deleted from Group list.

If you want to delete it, just move mouse to click the account in list and then press “DELETE” on keyboard to delete it. Any change will be effective only when the same account next logs into this software.

***To add a new one account, you just need to do as below steps :**

Press “Add” first.

This setting is for users to set different account and password under different authority.



Please input or modify the “User Name” and “Password”.

And then input a Level to the account in “User Level”.

☒ **Use This Account Auto Login** → Enable this function to allow the account to auto-login.

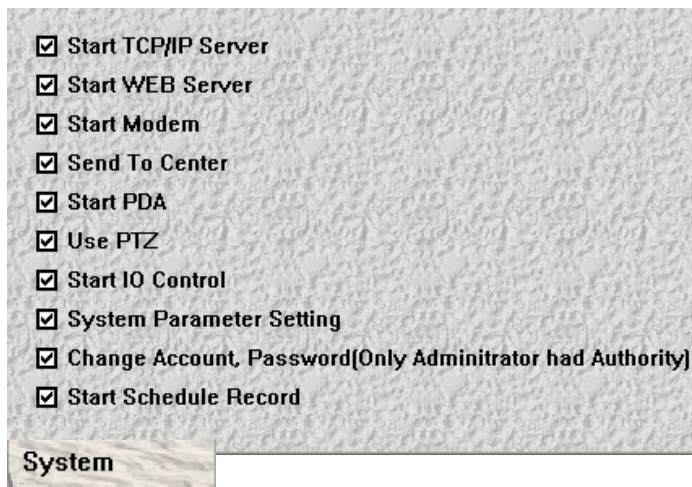
☐ **Disable This Account** → It is to disable this account, and only user of **Administrator** level can do it.



→Click to show *****, instead of real password.



→Click to show small keyboard to help inputting. (For non-keyboard PC)






Please set the Authority of this account by selecting the functions shown left.

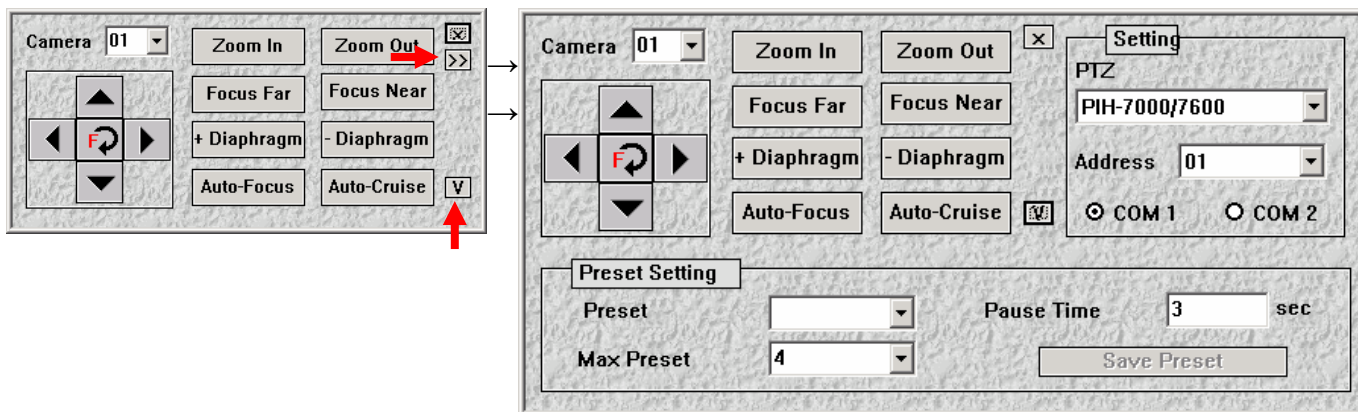
About how to set other authorities, please move mouse to it to select the setting page

4.1.4 PTZ Control



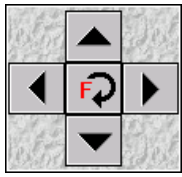
Click  to enter the control panel of PTZ as below. Please click  to show the settings of PTZ.

Click  to show the Preset settings.



Please select the PTZ module at first according to the model of PTZ. Now we support four kinds of PTZ, they are **PIH-7000/7600**, **PELCO SPECTRA II/III**, **NICECAM MP-1800** & **CANNO VC-C4**. After this, please check the Address on PTZ camera's hardware setting and then confirm which com. port is connected 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 of which PTZ is to be controlled.



: Move up
 : Move down
 : Left
 : Right
 : Faster Reverse move (180°)

(Direction Control)

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.

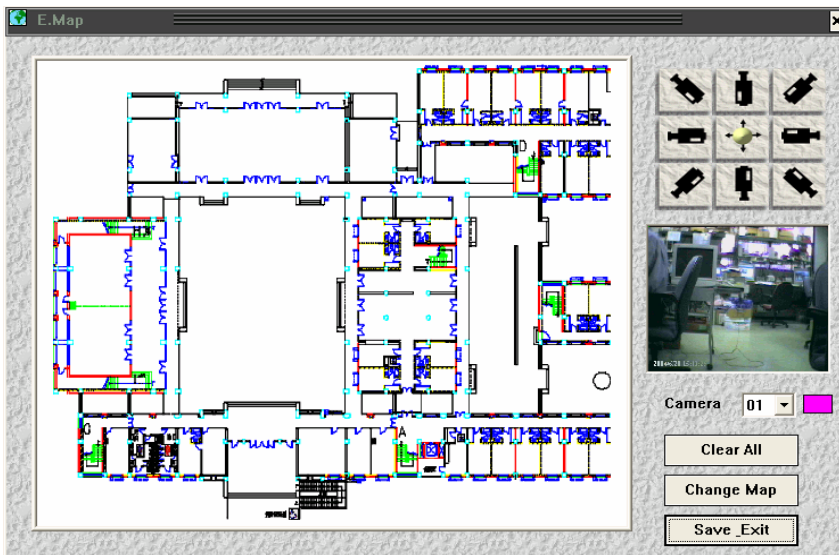
+ Diaphragm **- Diaphragm** : For users to adjust Diaphragm more or less.

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

Auto-Cruise : To make the PTZ camera Auto-Cruise.

4.1.5 E.Map

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

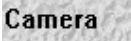




The map is default map for reference. Please change it with the map which you want to use by pressing

Change Map


and then choose the saved file of the map in hard 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.

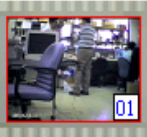
4. If you find out that you have wrong setting, you can press  to clear all you have set on map.





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

After above setting, you can view the image of specific location 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.

4.1.6 Snap A Picture :

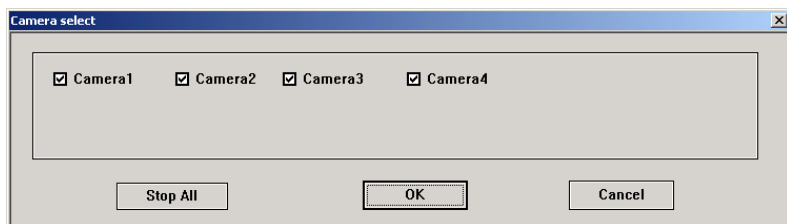
Click  to have a snapshot and shown as below diagram.



 : 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.



4.1.7 Record :

Click this icon to select camera you want to do recording, the diagram will be shown as below :



Note: when you execute Recording function, the file will be recorded and at the lower right area of the display, the word of camera no. is blue and the background is red as well as “REC” will be flashing and the color is red shown on the LCD display.

4.1.8 Channel Switch

Click  to show . Please click “Auto Switch Camera” to start channel auto switching. After enable this function, the view of Channel 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 “Channel Switch” and after 5 seconds→

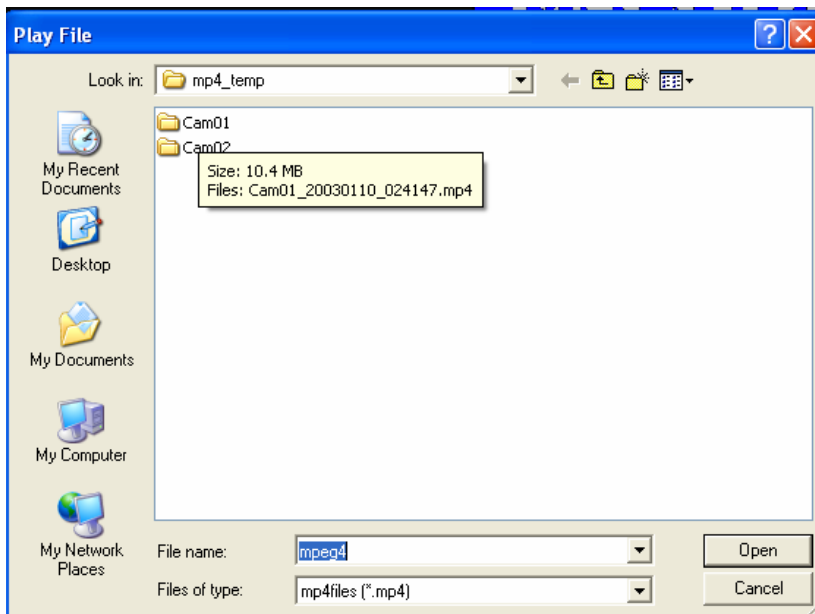
2	3
4	1

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

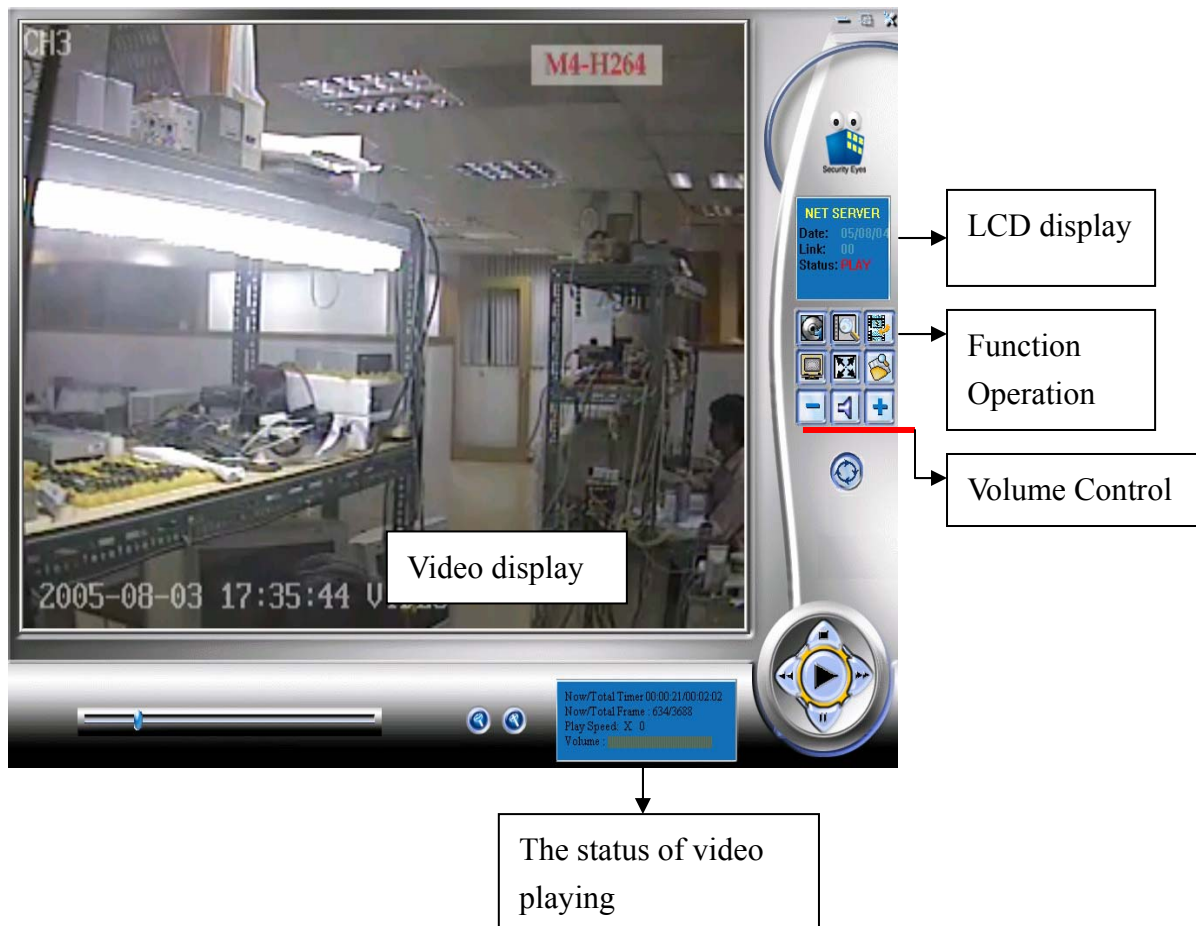
4.2 Introduction to Functions - Playback Mode

Press  button from the main menu to go to **Playback mode**.

Click the camera you want to playback, then you will see the playback Files, choose one file you want to playback.



Playback of the Video File





Play the video : Press this button to play the video.



Stop the video : Active only after a video is playing, this button ceases playback of the video.



Pause : Active only after a video is playing, this button stops the playing at a specific point; clicking again will playback the video at the point it was stopped.



Increase Play Speed



Decrease Play Speed

You can adjust the speed of playback video with these two buttons.



Volume control.



Decrease volume



Increase volume



Search Frame : you can seek file by press this icon and then the following diagram will be shown

The image shows a 'Seek' dialog box with a blue title bar and a close button. Inside, there's a 'Type' section with two radio buttons: 'BY_FRAME' (selected) and 'BY_TIME'. Below that is a 'Range' section displaying 'Frame Range is:0 ~ 8498' and 'Time range is(sec):0 ~ 329'. At the bottom, there's a 'Frame/Time' label next to a text input field containing the number '100'. Two buttons, 'Seek' and 'OK', are at the bottom right.

Click the type of seeking : By Frame or By Time, then fill in the number. Press button to search the video file.

Seek



Zoom In

The button is designed to zoom in (amplify) the video display image and only execute when playback is stop. After pressing the button, then select the video window that you would like to zoom in, and just quickly click the left button of Mouse. This display window will be amplified on the monitor.



Zoom Out

The button is designed to zoom out (shrink) the display image and only execute when playback is stop. After pressing the button, then select the video window that you would like to zoom out, and just quickly click the left button of Mouse. This display window will be shrunk on the monitor.



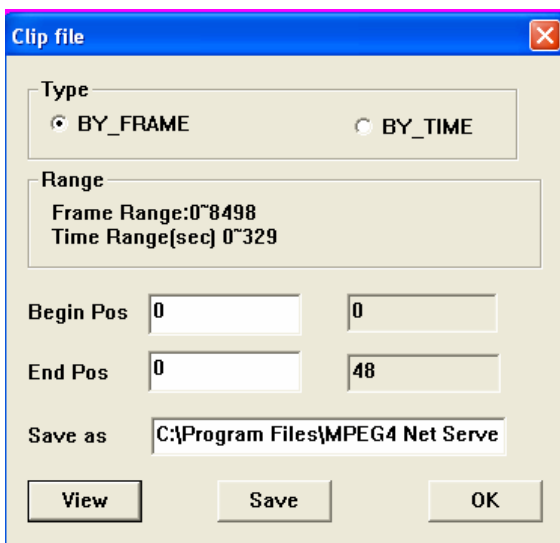
Capture Frame


Press this button will save the video image you play as a photograph. This file can be saved as a BMP file, the diagram shown as below. You can save the video image while playing the video.



Edit Video File

You can press this button to cut a playback file and save it with MPEG4 file format into the directory you have set.



Pick type of defining the range of file : there are two type you can choose : by Frame or by Time. Pick one type then fill in the range of file according the type you choose. You can press  button to browse the file you have defined.



Full Screen

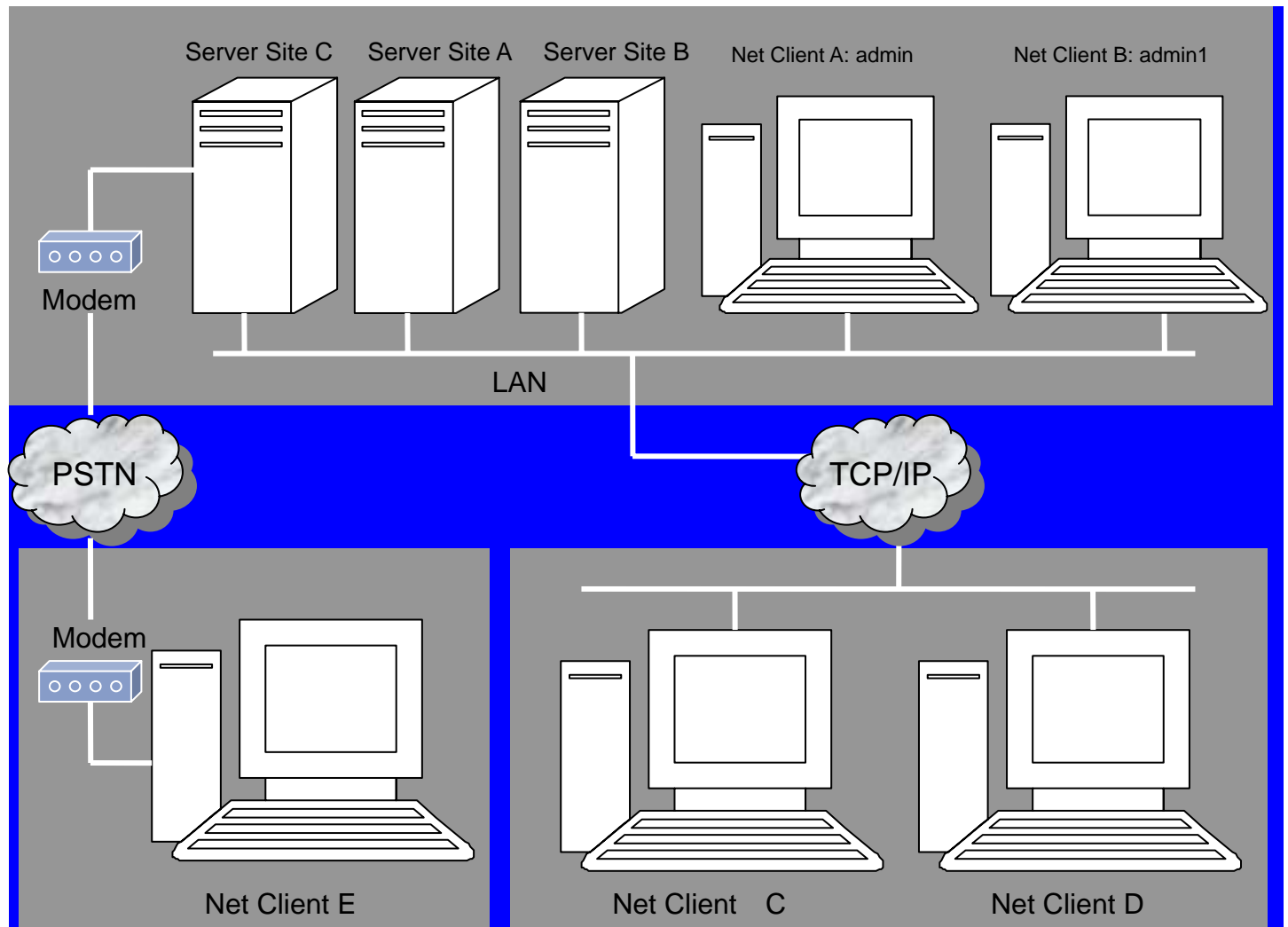
Click this icon to change the video size to full screen. Click again to back to the normal size of screen.



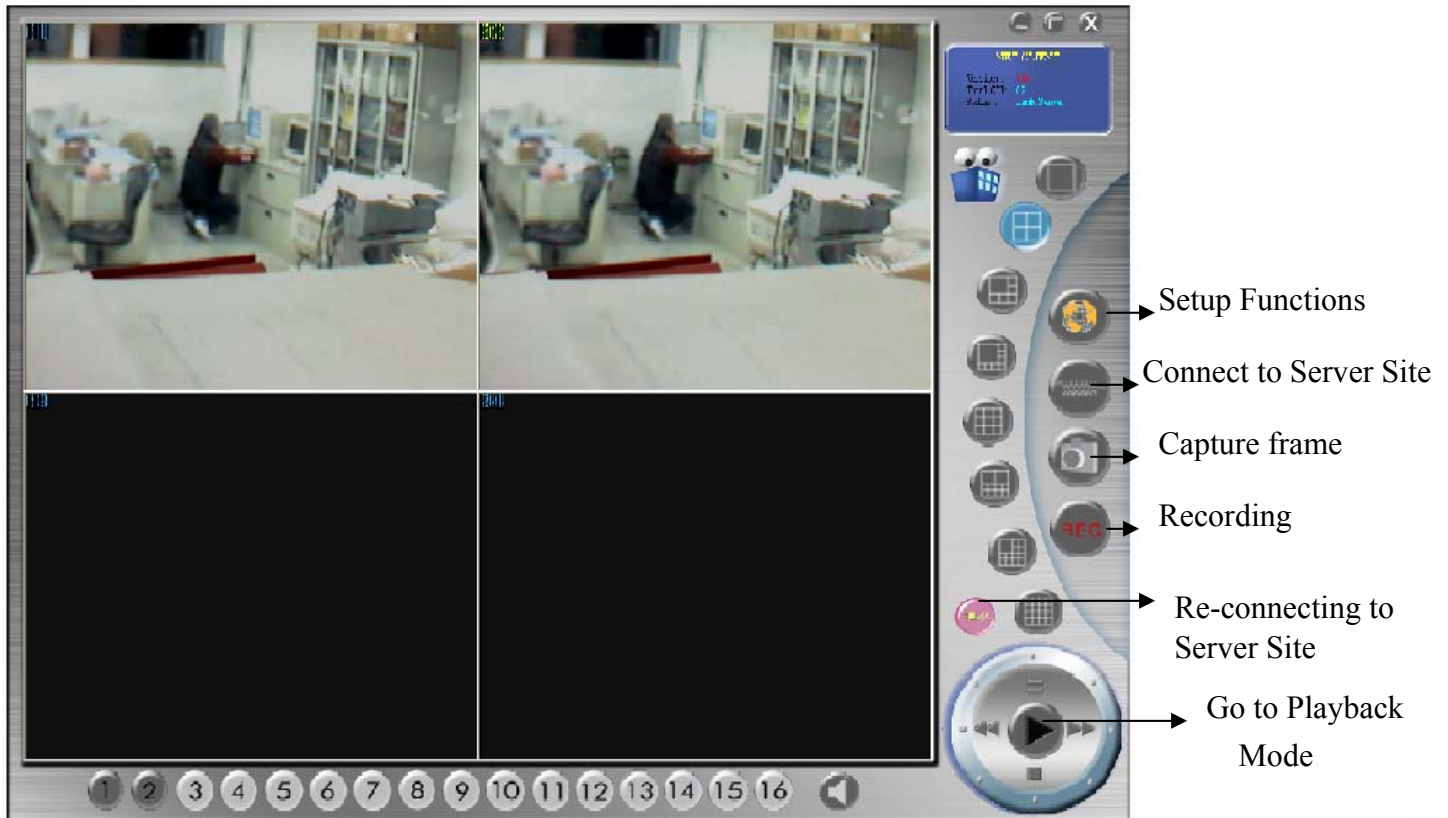
Repeat play

This button is designed for repeat the playback of video.


4.3 Introduction to Functions – Net(Remote) Client Site

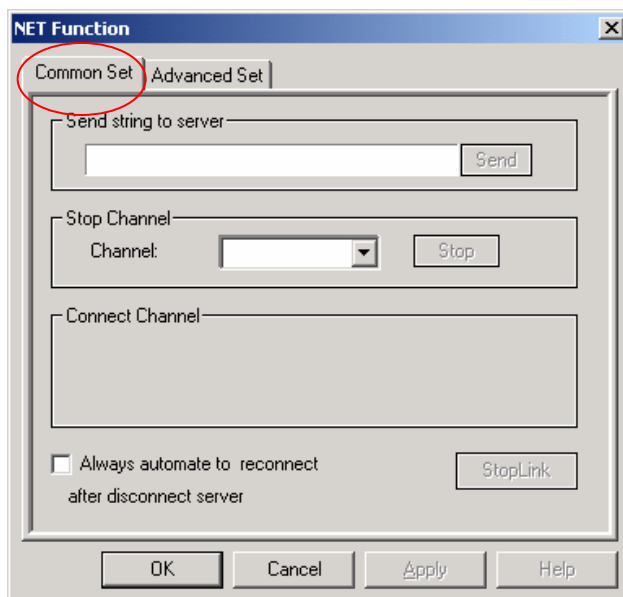


The Net(Remote) Client Sites in the above Figure can be connected to Server(Local) Site after installing MPEG 4 Net Client, You can start MPEG 4 Net Client software on Net Client Site and if the connection is Successful, the following prompt will be shown:



The detailed introduction is as follows:

- 4.3.1  **Setup Function :** Before connecting to Server Site, you need to setup this function.
-- Common Set :

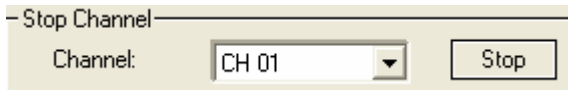




Send string to server

Send String to Sever :

You can send the string message to Server Site and then press “Send” button.

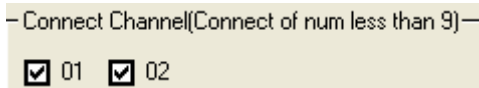


Stop Channel

Channel:

Stop Channel :

You can stop the channel received from Sever Site by clicking drop-down box, then press “Stop” button.

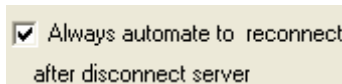


Connect Channel(Connect of num less than 9)

☒ 01 ☒ 02

Connect Channel :

Pick available channel to connect to Server Site.



☒ Always automate to reconnect after disconnect server

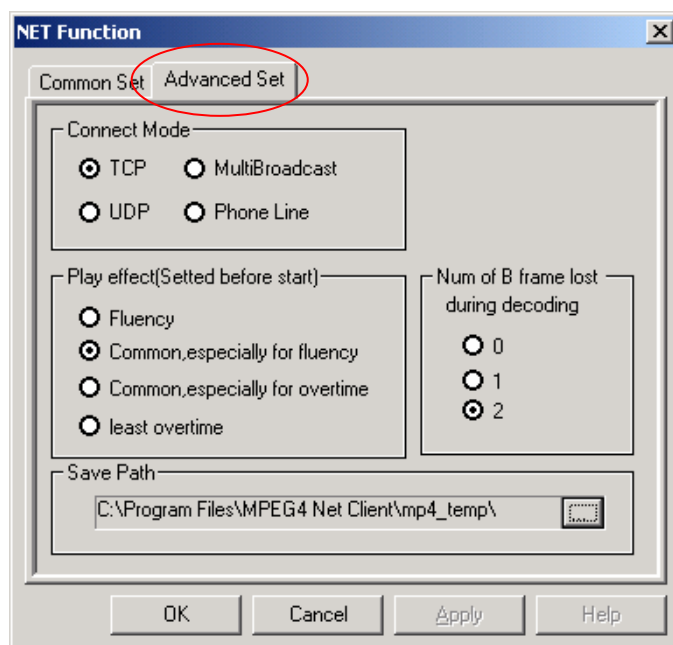
Check box of reconnect to Server Site automatically after connection is broken.



Stop Link :

Press this button to stop all connection to Server Site.

-- Advanced Set :



NET Function

Common Set **Advanced Set**

Connect Mode

☒ TCP ☐ MultiBroadcast

☐ UDP ☐ Phone Line

Play effect(Setted before start)

☐ Fluency

☒ Common,especially for fluency

☐ Common,especially for overtime

☐ least overtime

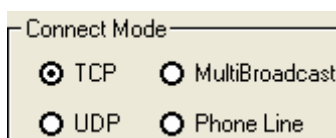
Num of B frame lost during decoding

☐ 0

☐ 1

☒ 2

Save Path



Connect Mode

☒ TCP ☐ MultiBroadcast

☐ UDP ☐ Phone Line

Connection Mode :

You can choose which connection mode when connecting to Server Site.

Play effect(Setted before start)

- ☒ Fluency
- ☐ Common,especially for fluency
- ☐ Common,especially for overtime
- ☐ least overtime

Play effect : setup performance of play(preview).

Num of B frame lost during decoding


- ☒ 0
- ☐ 1
- ☐ 2

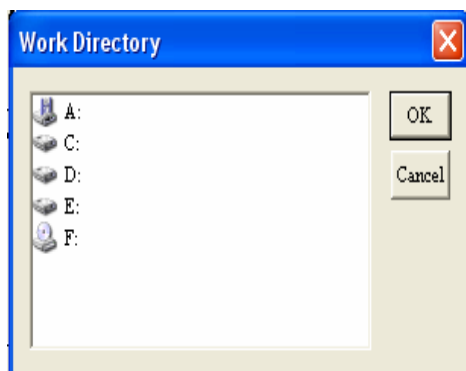
Num of B frame lost during decoding : choose number of B frame lost while decoding.

Save Path

C:\Program Files\MPEG4 Net Client\mp4_temp\

Save path : Setup the Save Path before recording file.

Press  to setup the path. See below diagram.



4.3.2 Connect to Server Site

Press this button to setup the connection to Server Site. See below diagram.

Connect Server

IP Address

User Account

User Name :

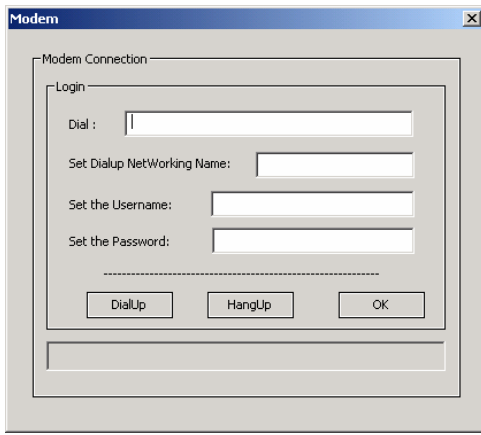
Password :

Check Password :

☐ Memorize this account and IP

Fill out the IP Address of Server Site in the blank, and then input the User Account, which is set already in Server Site.

Press this button to setup Modem connection. Please see below diagram :



Dial : Insert the telephone number.

Set Dialup NetWorking Name : Set up Name for NetWorking connection.

Set the Username and Password : Input User Name and Password.

Note : 1. User Name and Password will need to be created in Account settings of Server Site first.
2. Please refer to Appendix 1 for Modem Connection settings.

4.3.3 **Capture Frame**

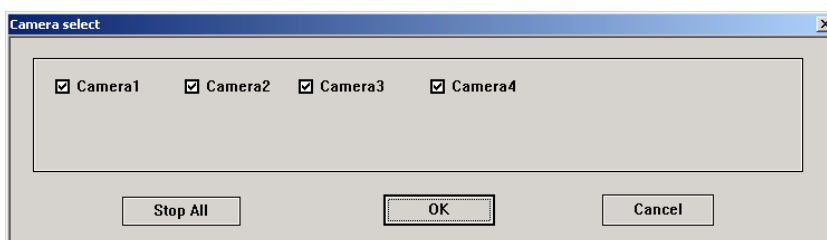
Press this button will save the playing video image as a photograph. This file can be saved as a BMP file, the diagram shows as below. You can save the video image while playing the video.



The image you capture

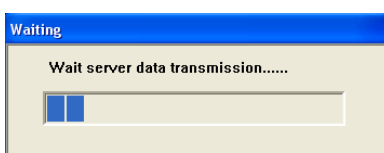
4.3.4. **Recording :**

You can click this icon to select camera you want to do recording, the diagram will be shown as below :

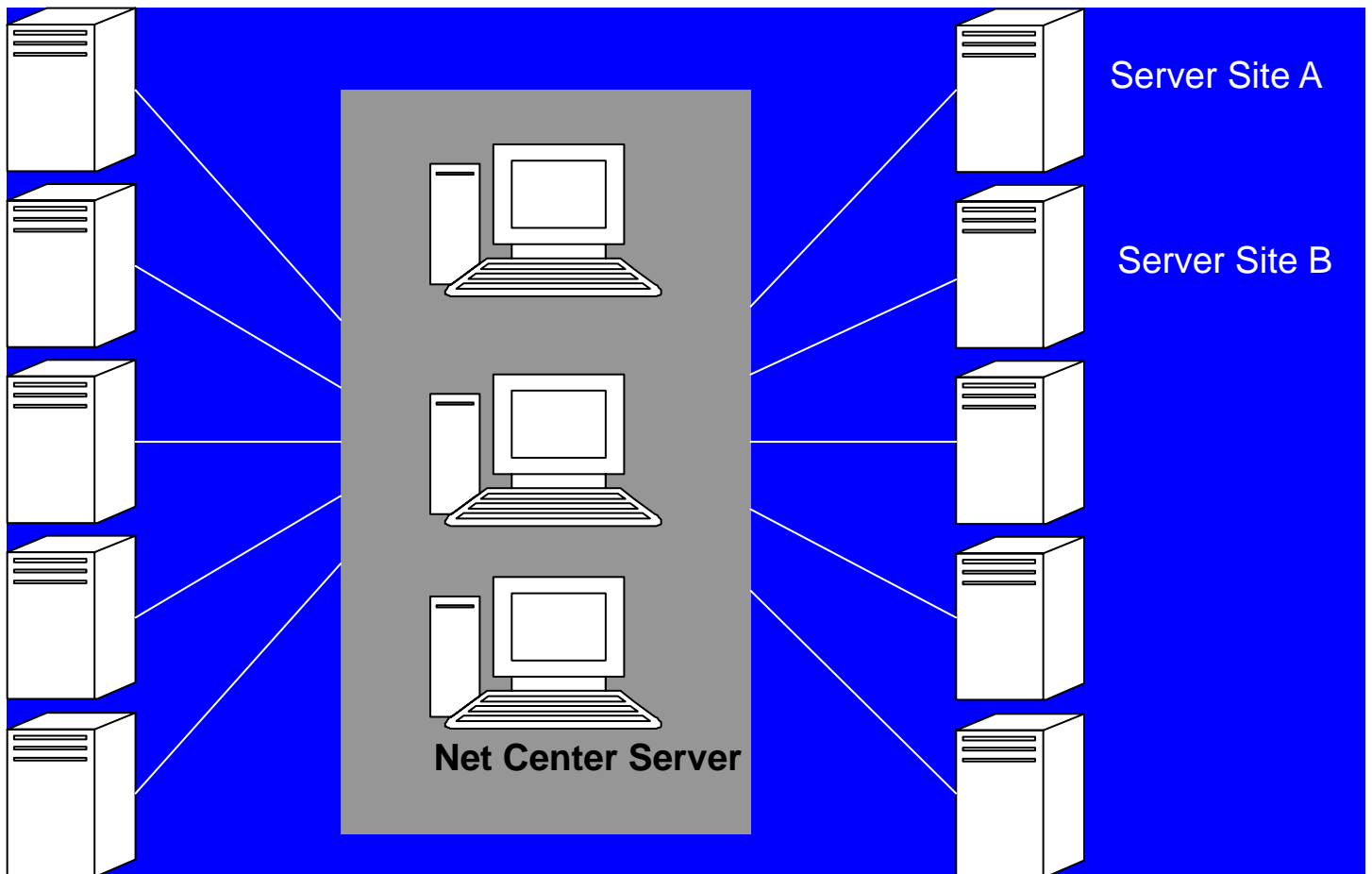


4.3.5 **Re-connect to Server**

You can press this button to re-connect to Server Site once the connection is broken. The diagram will be shown as below :

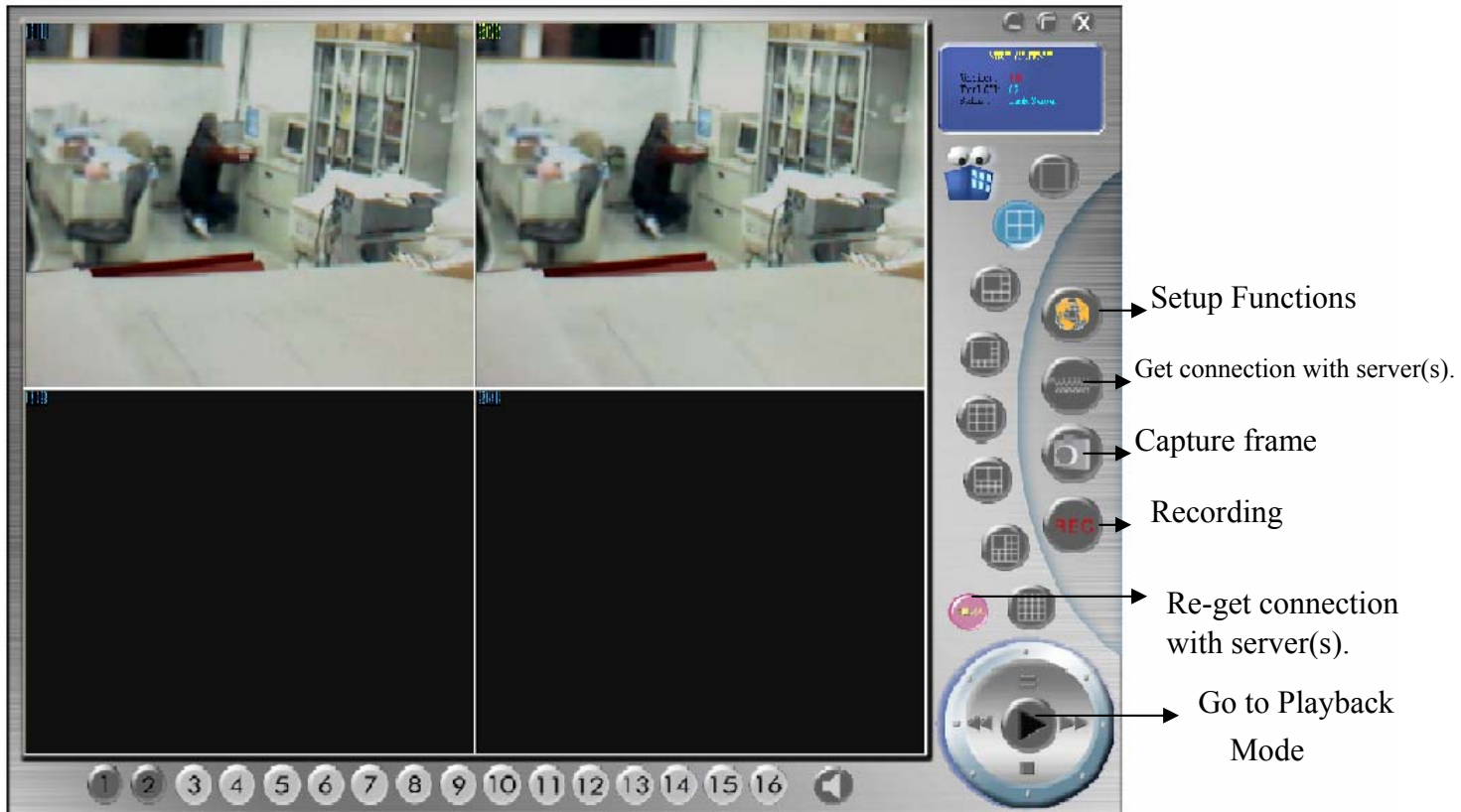


4.4 Introduction to Functions – Net(Remote) Center Site



About Net(Remote) Center, we designed it for users to connect multiple Net Servers (maximum : 16 channels) and remote viewing, especially under local network. In above Figure, Net Center Server is Net Center, Server Site A and B are Net Servers. The setting is the same with Net(Remote) Client, the difference is that you can add 16 IPs of MPEG4 Net Servers and monitor any camera of the 16 Net Servers at different locations.

The following is the screen shown on Net Center Server:

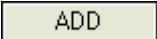


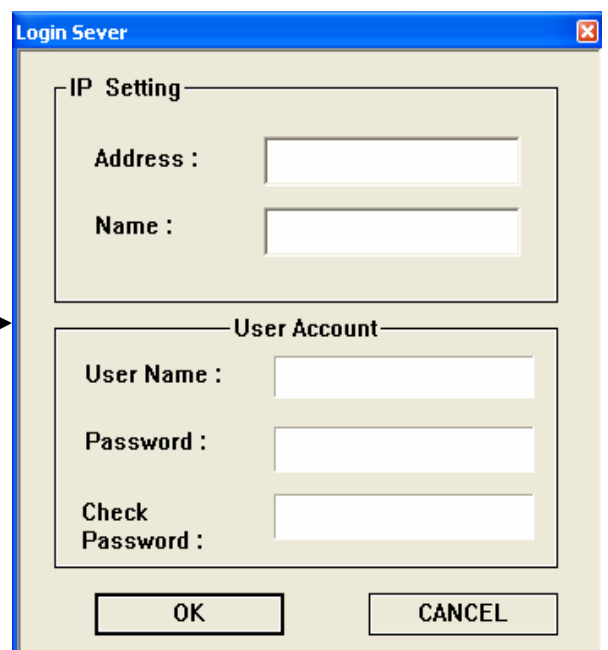
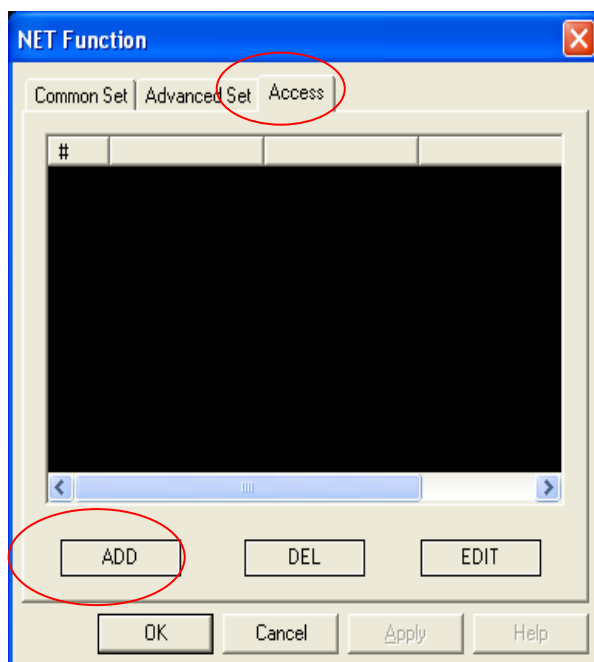
The detailed introduction is as follows:


4.4.1 **Setup Function** : Before server(s) connects to Net Center, you need to setup this function.

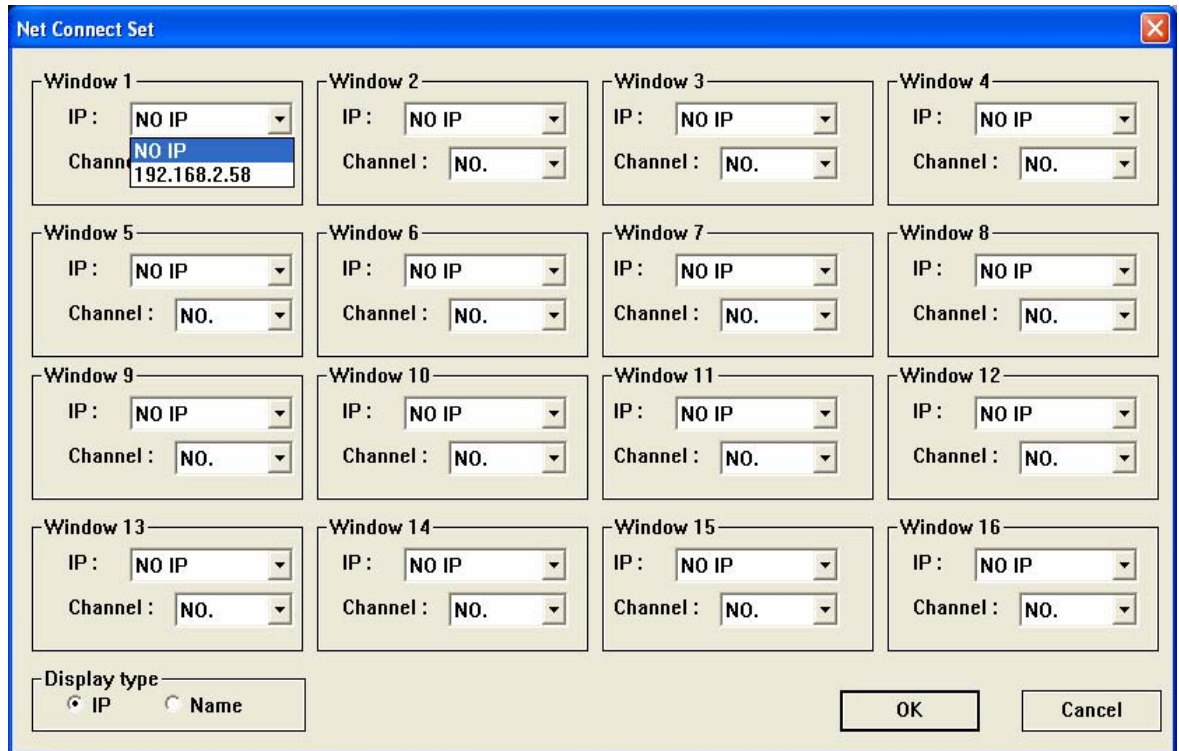
-- Access :

First time to use MPEG4 Security Center, please follow below steps to setup.

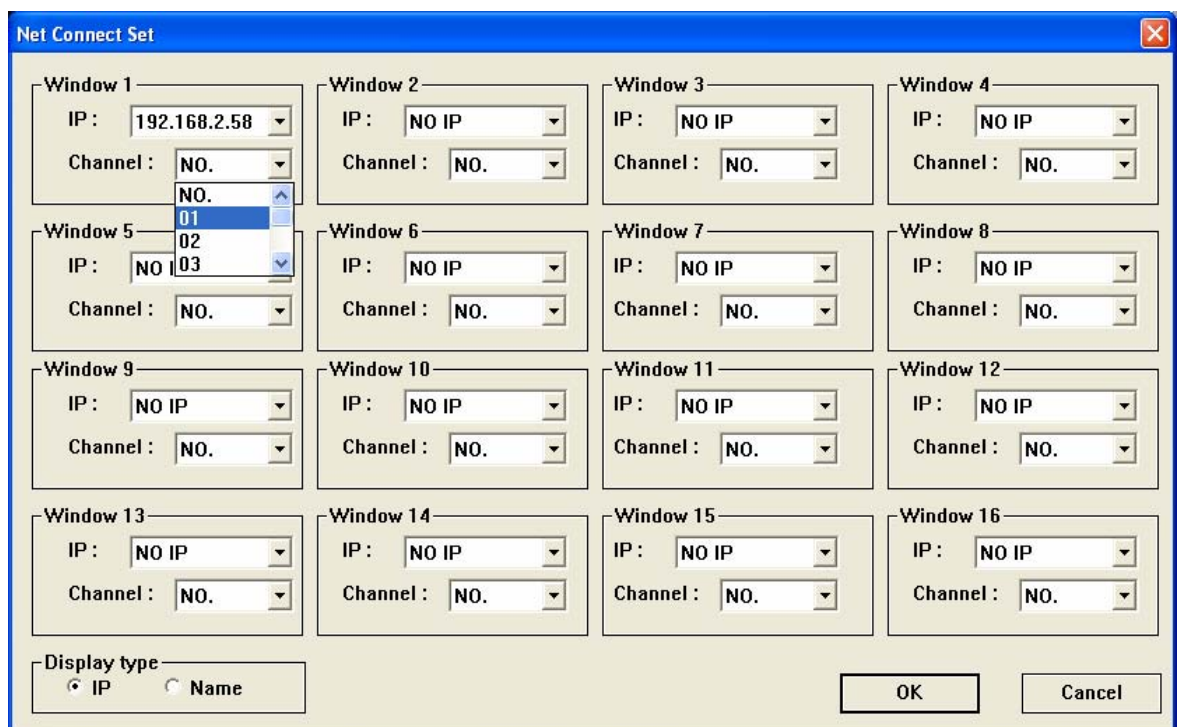
Step 1-Click  to add server(s) IP into list.



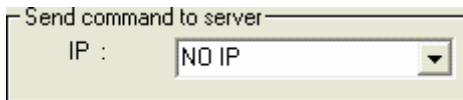
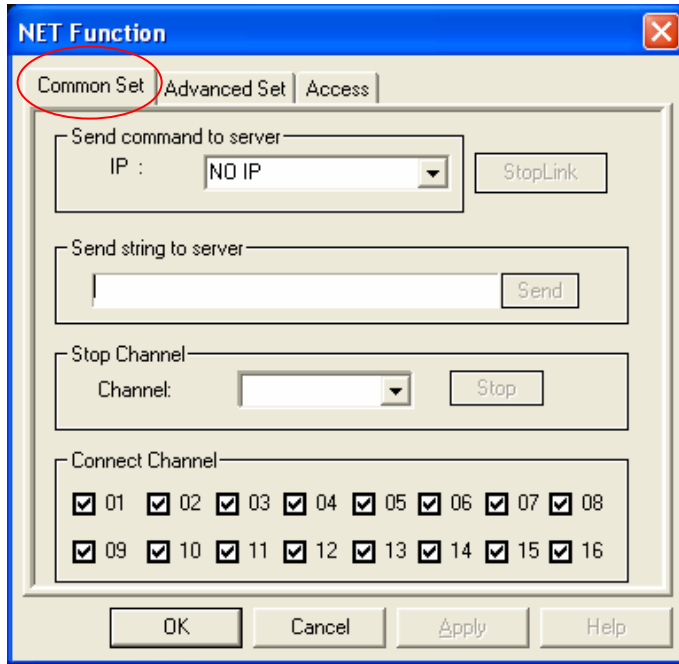
Step 2-After adding the Server(s) IP list, please select  (Get connection with server(s)) to check the server(s)'s connection. For example, we already add "192.168.2.58" in list and we can find the server here. Please use mouse to click on the IP as detected :



Step 3-After selected the IP of server(s), the channel list will show as below. Please select one channel which you want to monitor. Please note that DO NOT select the same IP and same Channel for 2 windows in the setting. After setup, click "OK" and then it will be connected with server(s) to transfer video(audio) to Net Center Server.



-- Common Set :



Send Command to server :

Center can send command to Server Sites.



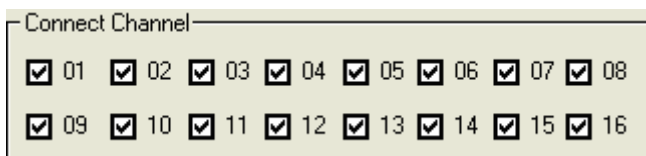
Send String to Sever :

You can send the string message to Server Sites after pressing “Send” button.



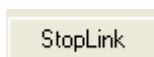
Stop Channel :

You can stop the channel received from Sever Site by clicking drop-down box, then press “Stop” button.



Connect Channel :

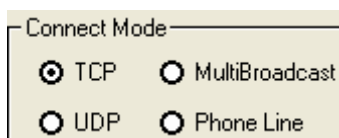
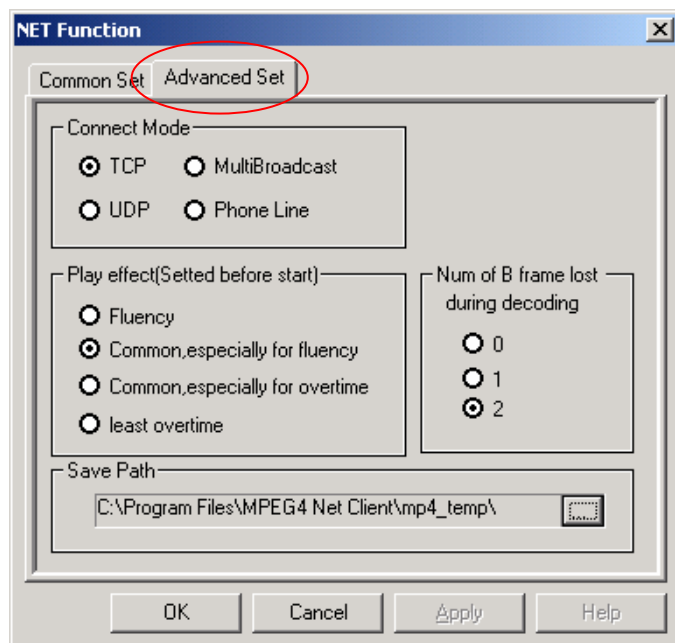
Pick available channels of Net Center Site. It is adjusted to meet low bandwidth sometimes



Stop Link :

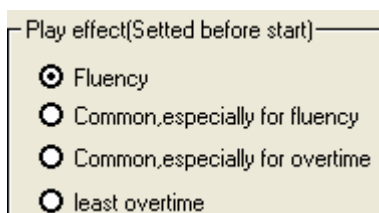
Press this button to stop all connection to Server Sites.

-- Advanced Set :

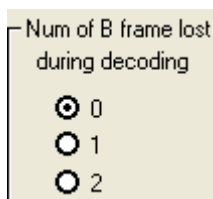


Connection Mode :

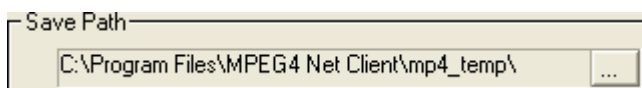
You can choose which connection mode when connecting to Server Site.




Play effect : setup performance of play(preview).

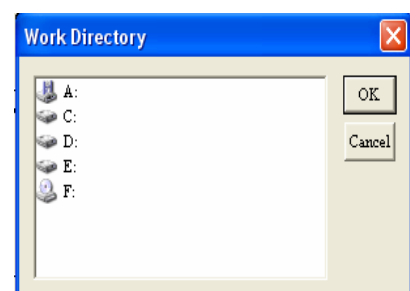


Num of B frame lost during decoding : choose number of B frame lost while decoding.

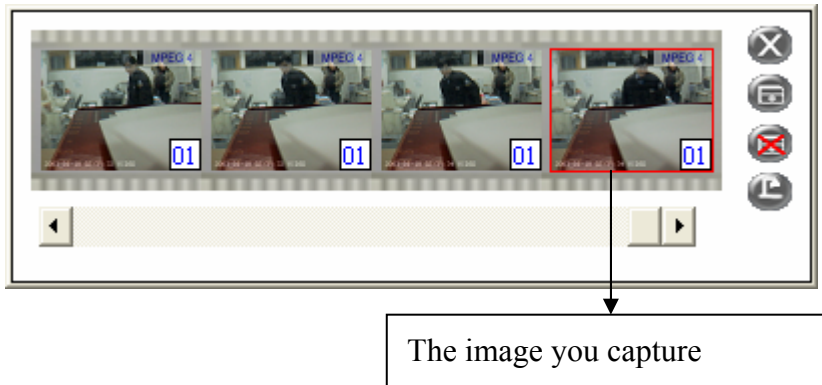


Save path : Setup the Save Path for recording file.

Press  to setup the path. See the right diagram.

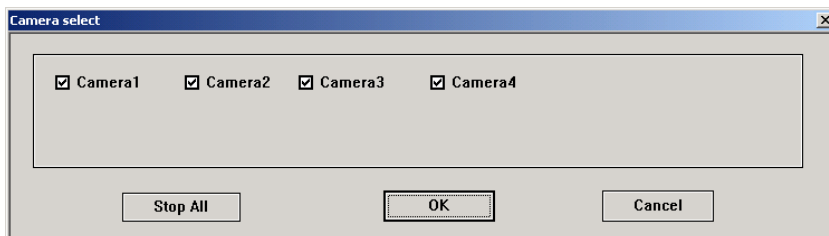


Press this button will save the playing video image as a photograph. This file can be saved as a BMP file, the diagram shows as below. You can save the video image while playing the video.



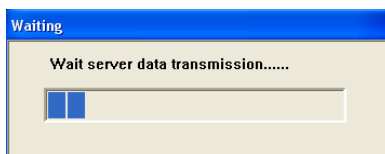
4.4.3 **Recording :**

You can click this icon to select camera you want to do recording, the diagram shown as below :

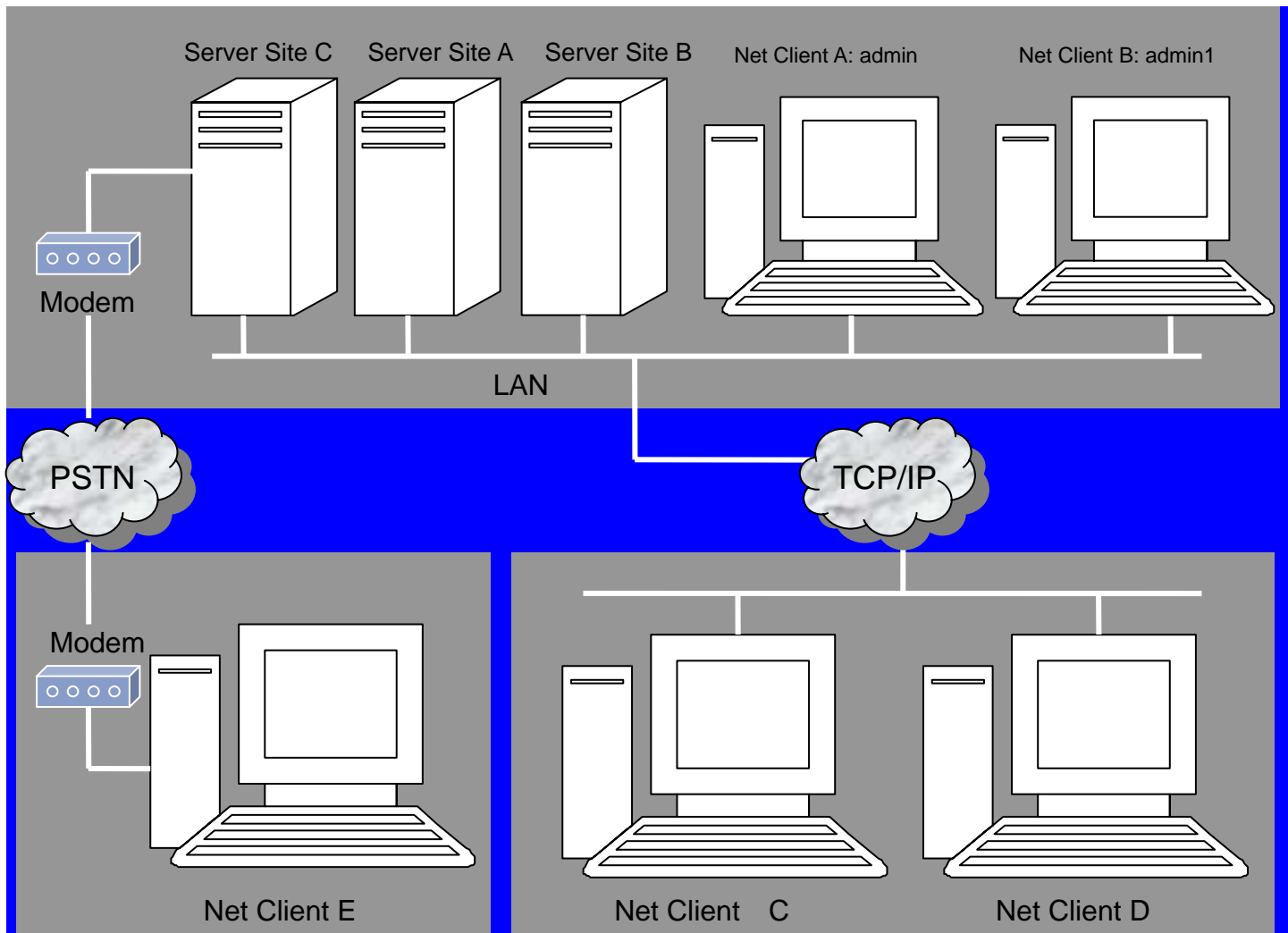


4.4.4 **Re-connect to Server**

You can press this button to re-connect to Server Site once the connection is broken. The diagram will be shown as below :



4.5 Introduction to Functions – Use IE to Do Remote Surveillance

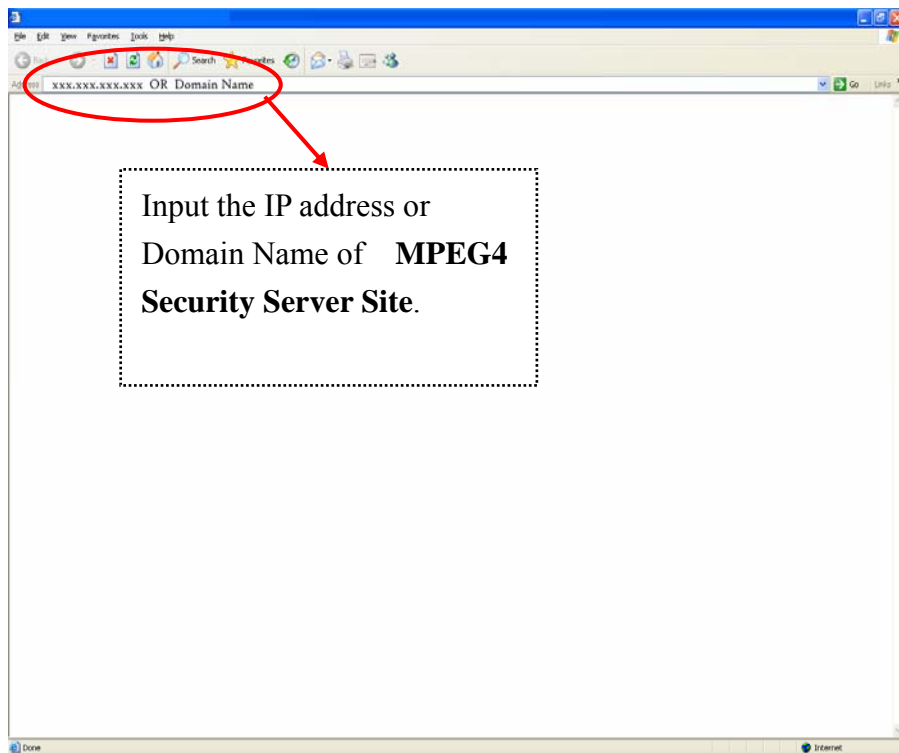


Normally, we can use IE on Net(Remote) Clients of the above figure to do the remote surveillance on Server Sites of the above figure.

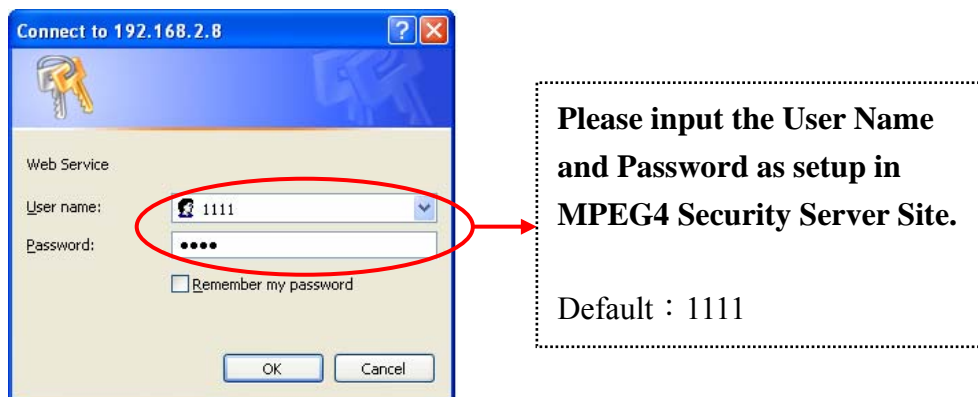
4.5.1 MPEG4 Security software provides Internet Browser as Remote Viewing Tool, so you can monitor with PC and Internet Browser everywhere. The tool is under **JAVA technology**; therefore the browser you are using, needs support JAVA. We took Microsoft™ Internet Explorer under WinXP for example to setup step by step as following :

4.5.2 At first, please **enable “WebCam Server” of “Set Net Server”**. And please remember the **IP address, Account Name and Password** which are set in Server Site.

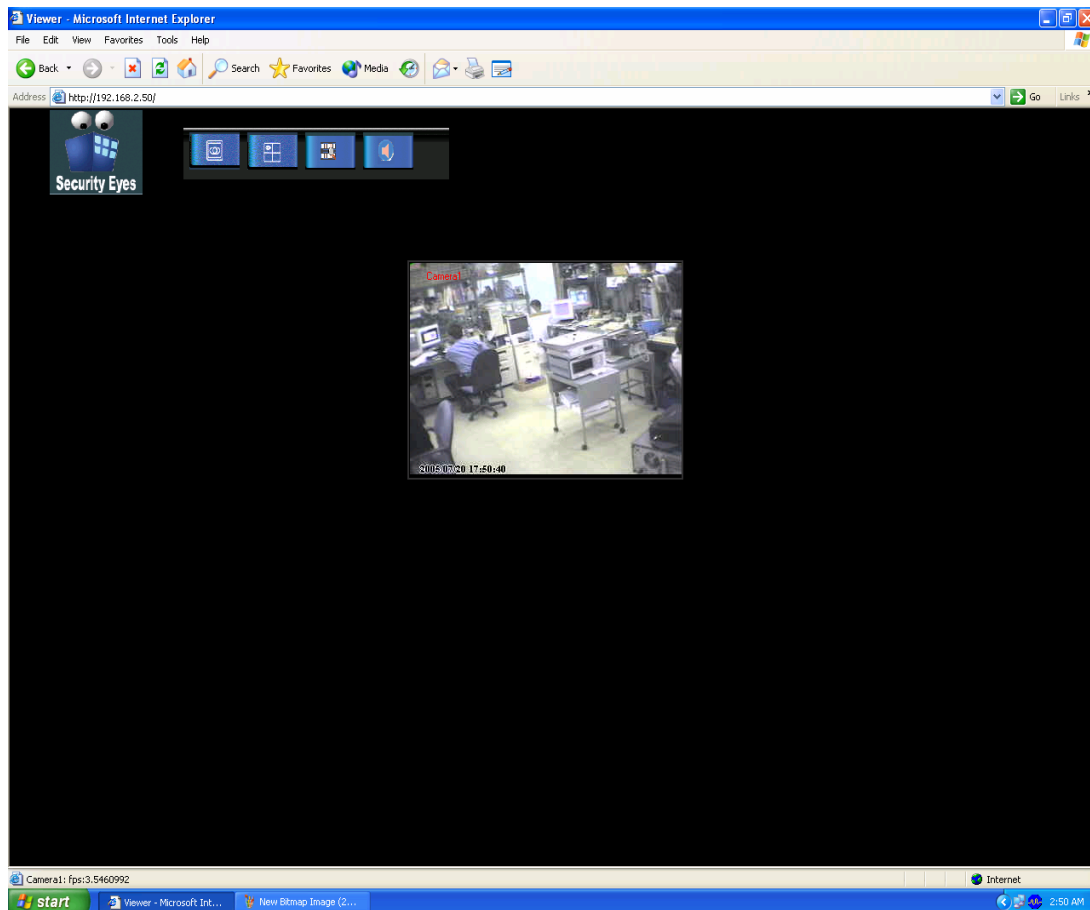
Step 1 : Open “Internet Explorer” on some Remote Client. Key in the **IP address or Domain Name of MPEG4 Security Server Site** in the Address Bar as below picture.




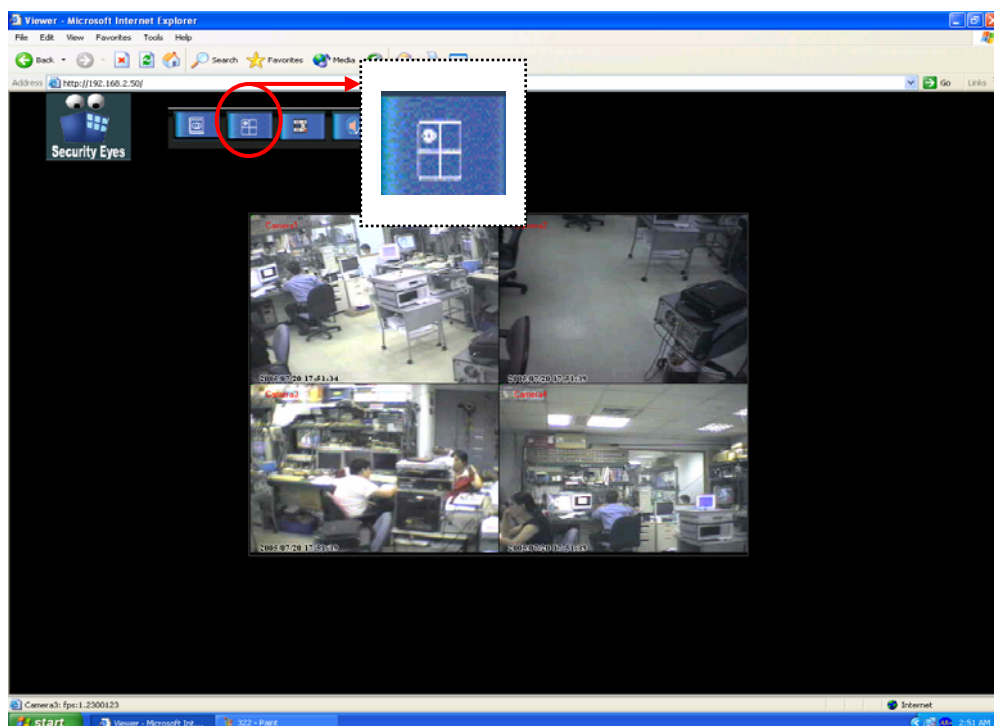
Step 2 : If the IP or Domain Name of Server Site is correct, you'll see a login window as below.




Step 3 : After Login, we can see one video of camera which is from **MPEG4 Security Server Site**.



Step 4 : It supports for 4*camera(maximum) displayed on IE. Please click . Then we'll get one quad including 4*channels video as below.

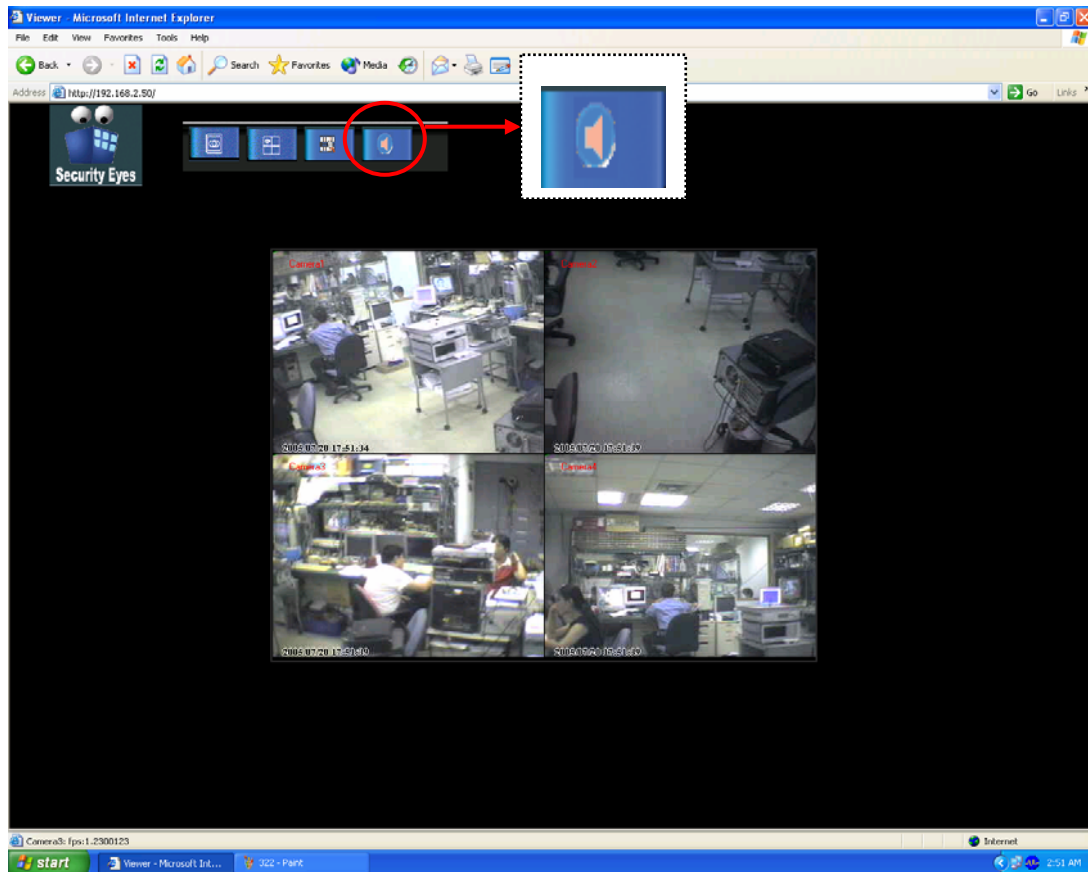


Step 5 : At first, if “AUDIO PREVIEW” function will be used, please install a tool program as following.

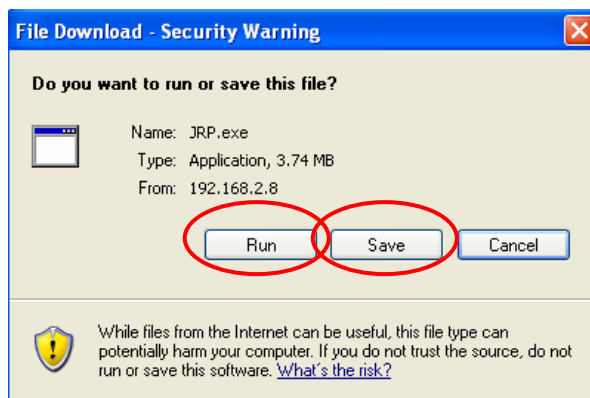
Click , then we'll see a prompt message on the screen :

“Please download and execute the component When you first time to run this program and re-open Web browser. Component!!”

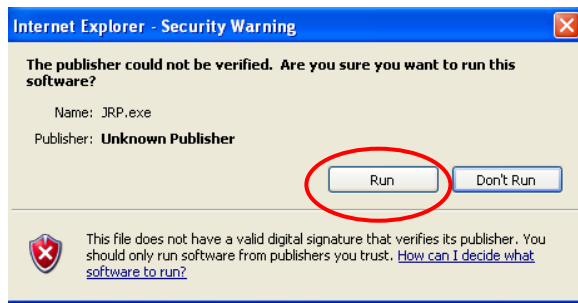
Please use mouse to click “Component” to install the **JRP.exe** file (tool program) as it is used at the first time.



Step 6 : After click “Component”, below prompt box shown on screen. For user on Internet of high speed, please select “Run” to install **JRP.exe** right away. For user on Internet of low speed, please select “Save” to download and after download, press “Run” to install **JRP.exe**.

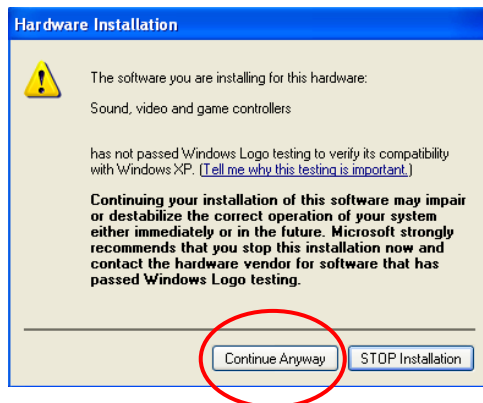


Step 7 : After above procedures, you will be asked,(if it is under WinXP SP2). Please click “**Run**” to continue.





Step 8 : After installation of **JRP** finished, system will ask you to continue and please click “Continue Anyway”.

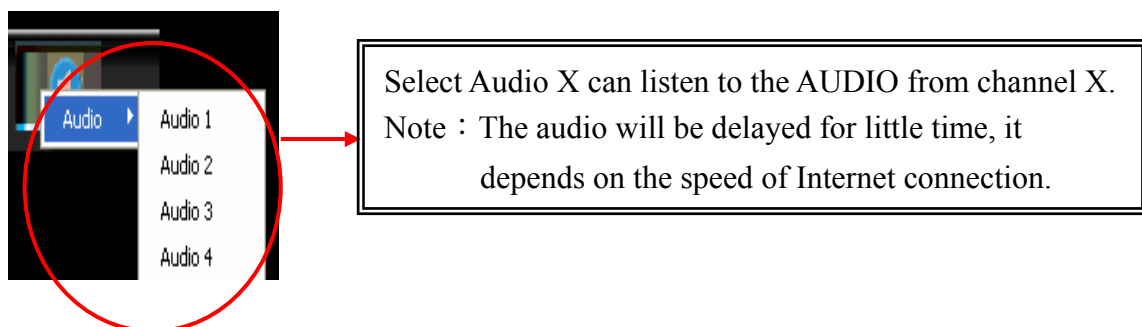
Then please restart Internet Explorer and then re-login to finish the installation.



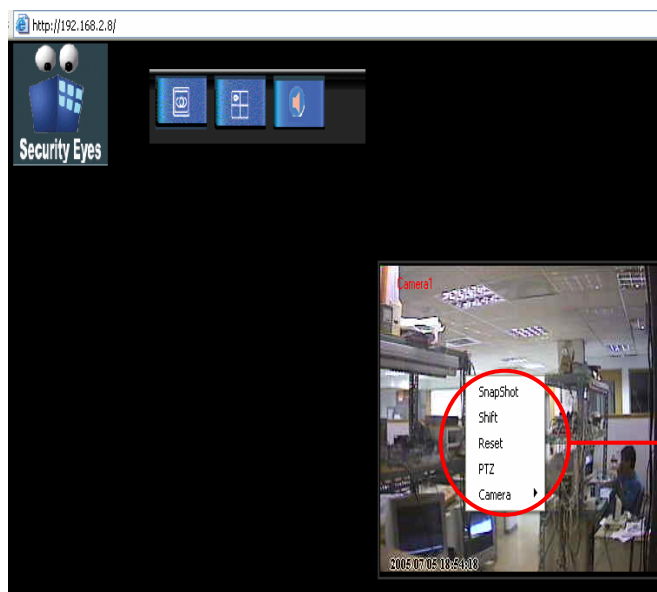
Step 9 : After restarting Internet Explorer, the JRP tool will be installed into browser and it would provide

the “**AUDIO Preview**” function on Remote site. Please click  to enable the “AUDIO”

function, and then please move mouse on  and press **RIGHT button on mouse**. It will be shown as below :



Step 10 : Also it has other functions for advanced users, please move the mouse on the **VIDEO SCREEN** and press **RIGHT button on mouse** as below :



SnapShot

Shift

Reset

PTZ

Camera



Please see the detail as below.

Snapshot : Click to snapshot a picture.

Shift : Click to switch the camera(s) for previewing.

Single Channel => Camera 1->Camera 2 -> Camera 3 -> ...

Four Channels => Switch mode

1	2	=>	2	3
3	4	=>	4	1

Reset : Click to RE-Connect with **MPEG4 Security Server Site** for this selected channel.

PTZ : Click to show the Remote Control Panel of PTZ camera.

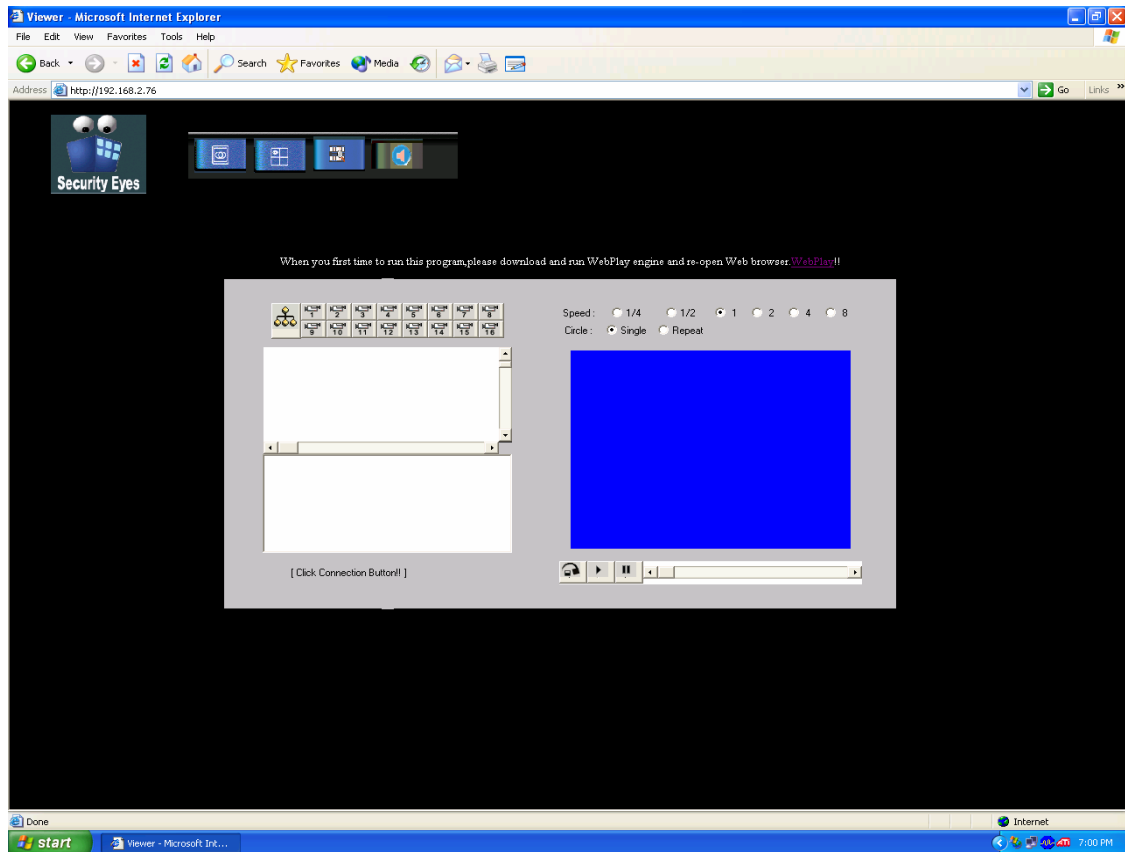


Camera : Click to change camera number which is to be monitored.

Step 11 : It has Remote Playback function, at the first screen, when you press



It is shown as below:



If it is the 1st time, you should download WebPlay first. The procedure is the same as the download of JRP.exe of “Audio Preview”. It is better to save the WebPlay in Hard Disc. First and run it after downloading it. And then you re-start IE, re-login again. The above screen will be shown again.

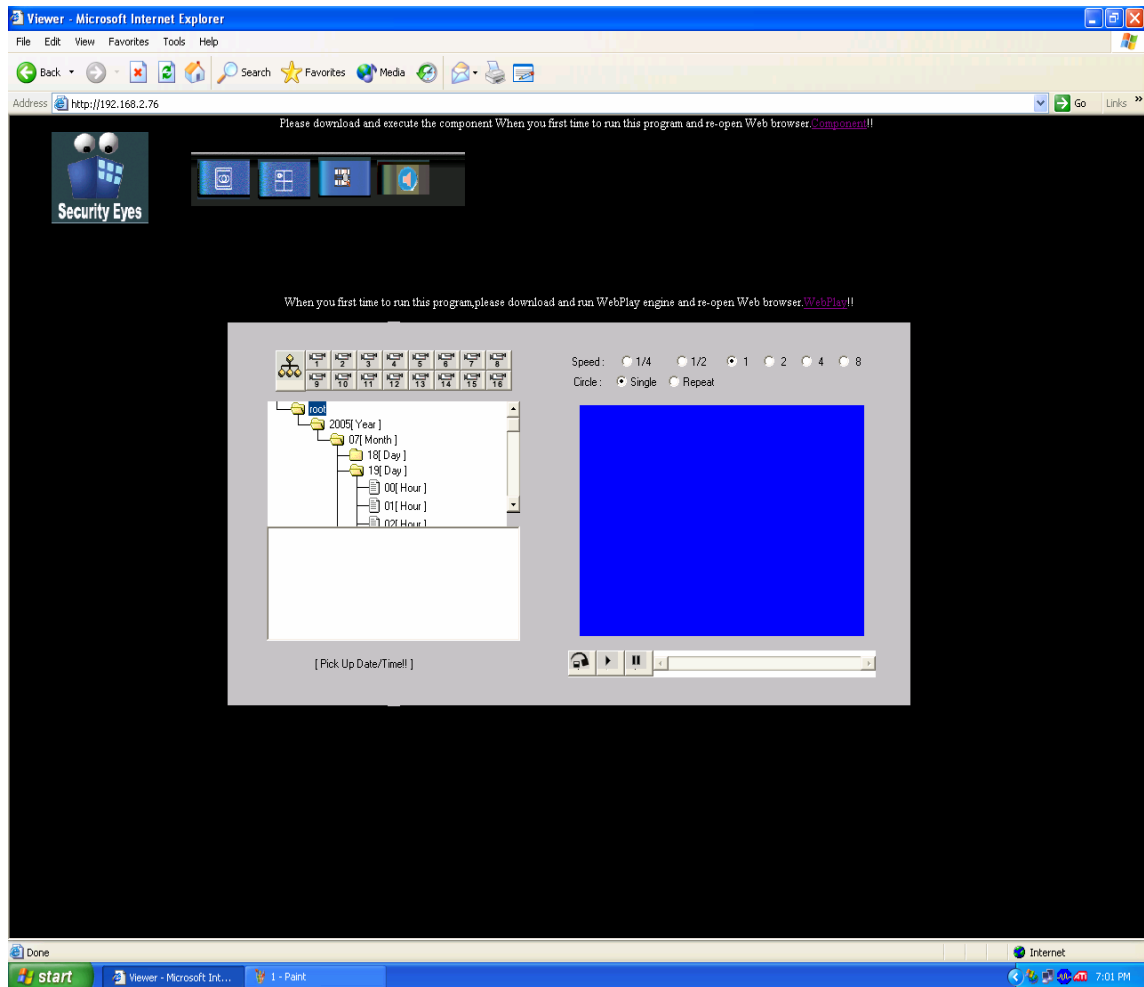


(a) please press Connection Button,

(b) and press any button of camera drawings to select one camera, for example,





The screen will be shown as below



(c) pick up some day and time by moving cursor to it and clicking the mouse.

(d) and press  to download the files for the camera.

(e) when the screen of pink color is shown, it means the download is finished, and press  to playback the file

(f) if you want to stop the playback, press 

4.6 Introduction to Functions – Use PDA to Do Remote Surveillance

4.6.1 MPEG4 Security software provides Http server over PDA, so you can monitor with PDA for wireless connection.

4.6.2 At first, please enable “PDA Server” of “Set Net Server” on MPEG4 Security Server Site. And please remember the IP address, User Name and Password which are set in Server Site.

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 MPEG4 Security Server Site.

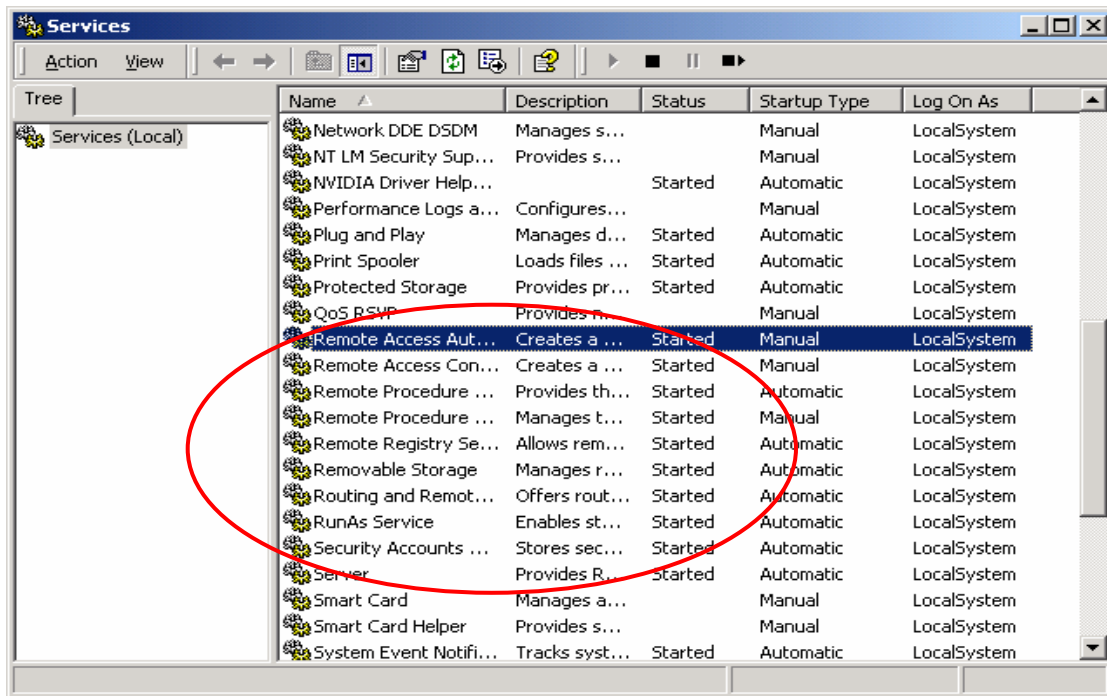
Step 5 : Key in Account Name and Password.

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

5. Appendix 1 : Modem Connection settings.

Set up Modem of Server(Local) Site :

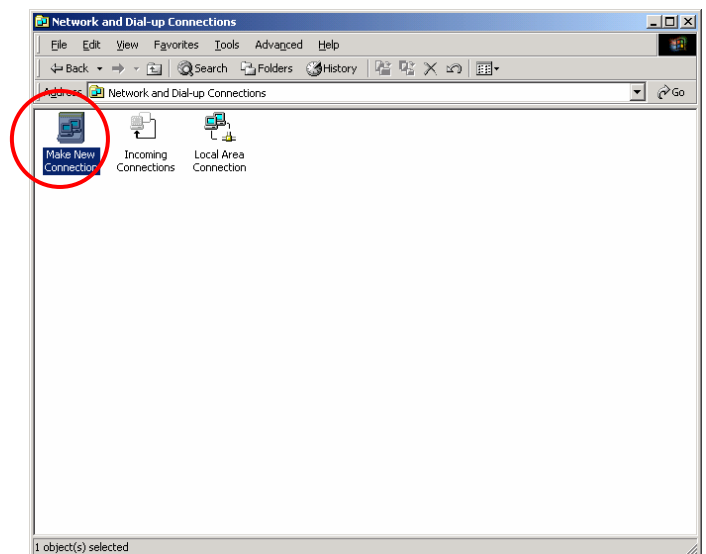
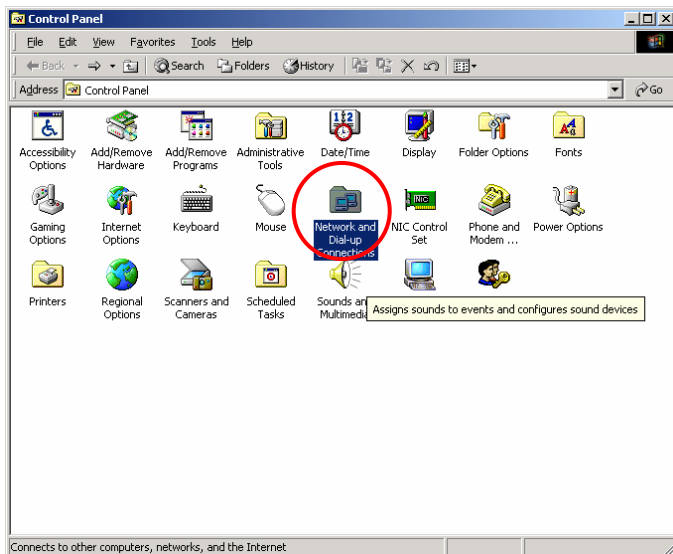
1. Under WIN2000 or WINXP, please click Control Panel/Administrative Tools/Services to “started” the RAS Service by right click the mouse then pick “start”. If “start” can not be picked, please choose “Properties”, then change the startup type to “Automatic”. See the picture below :



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

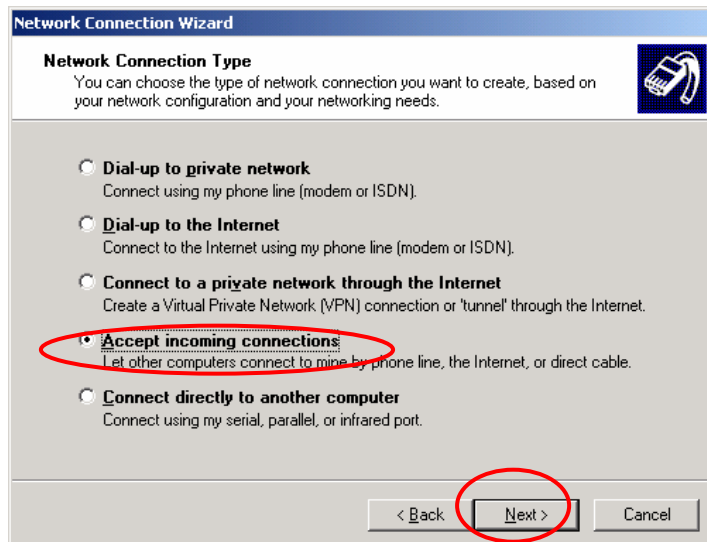
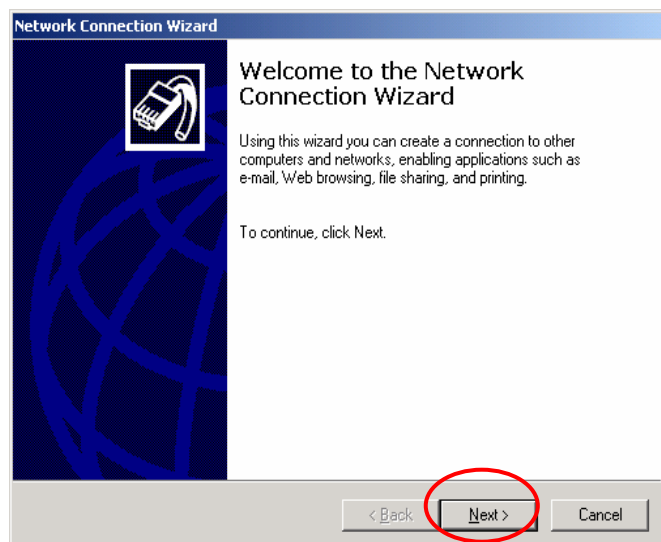
2. Create a connection (for Dial-up) :

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

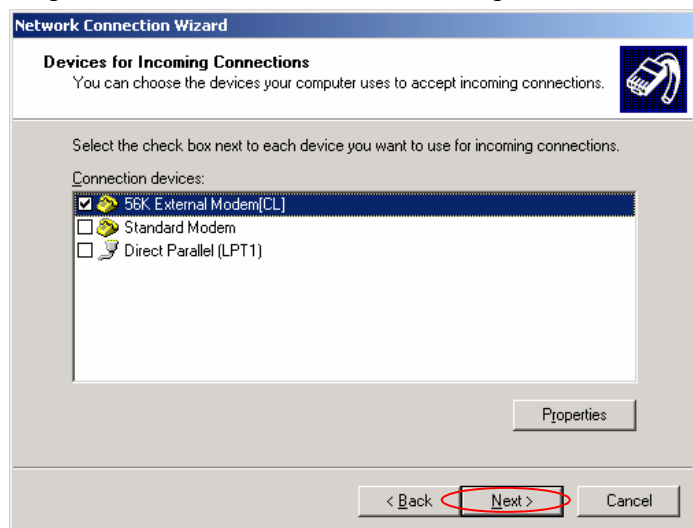


Step 2 : Press “Next”.

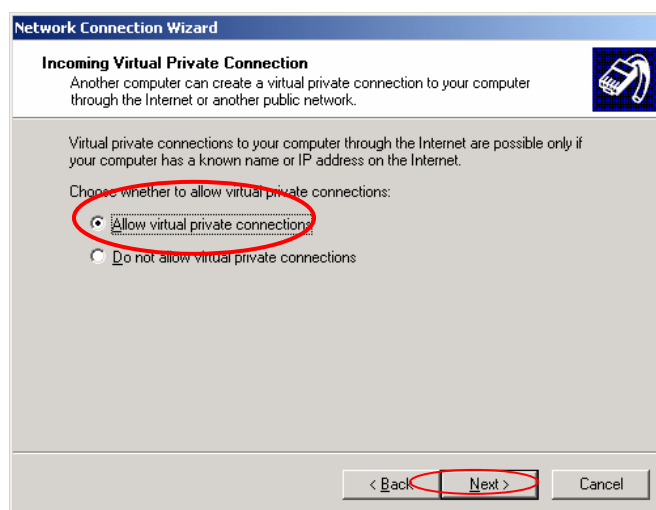
Step 3 : Choose <Accept incoming connections>, press “Next”.



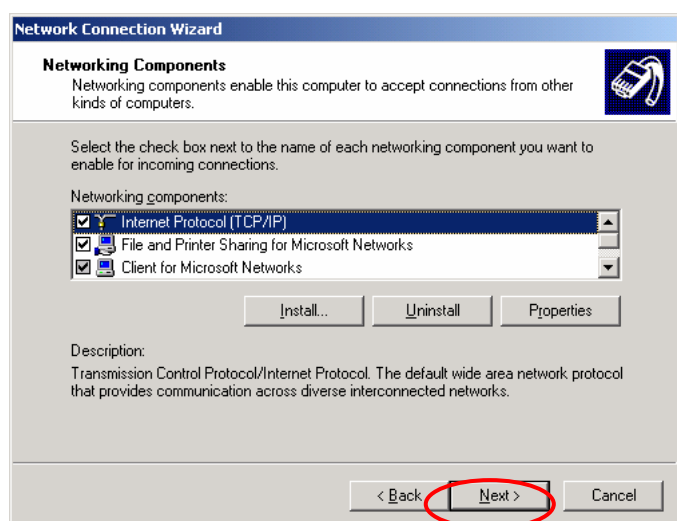
Step 4 : Choose Connection devices, press “Next”.



Step 5 : Choose “Allow virtual private connections”.



Step 6 : Press “Next”.

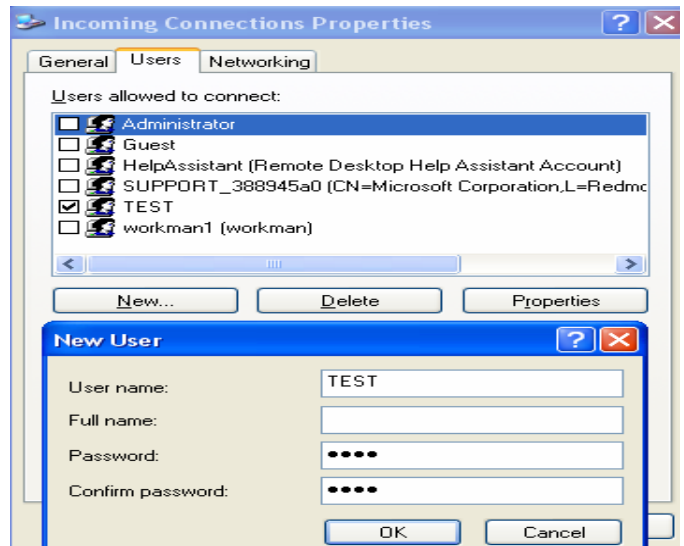
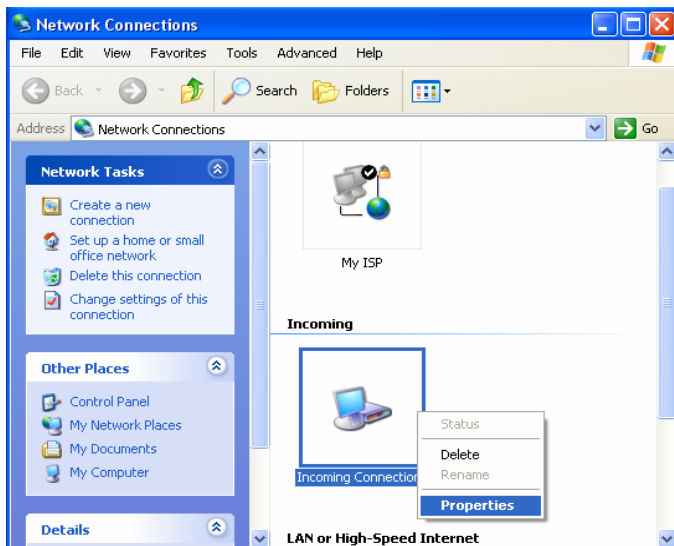


Step 7 : Press “Finish” to complete a new connection.

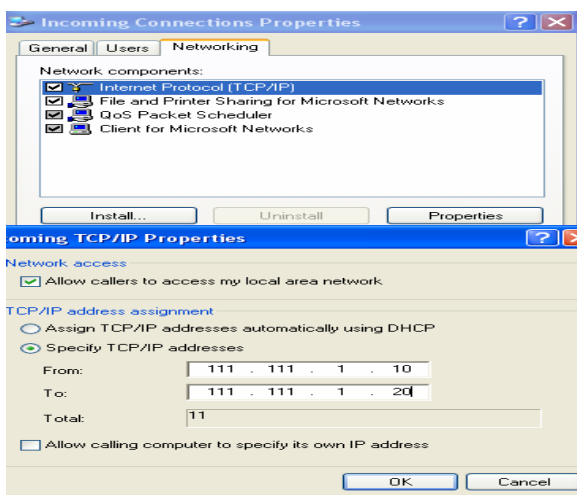
The new connection is “Incoming Connection”.



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

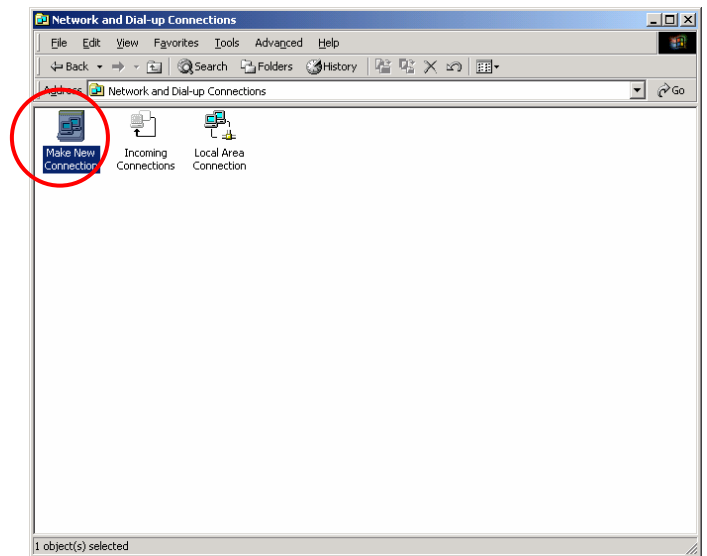
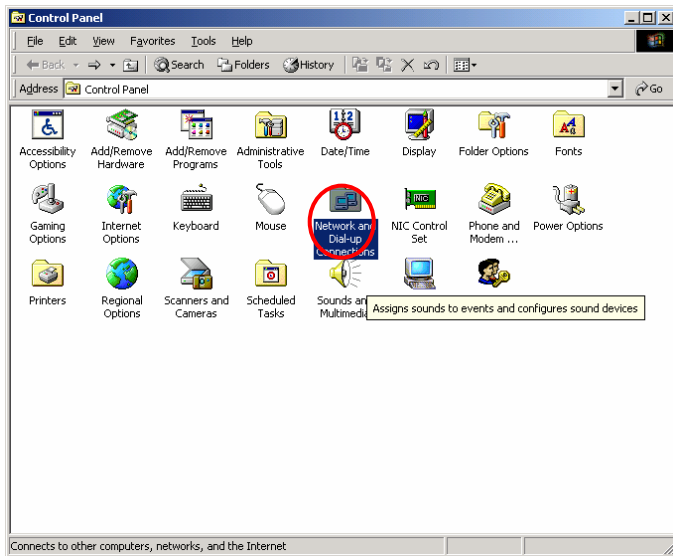


Step 9 : Please fill in the IP address for “From:” and “To:” at the below picture. The address is for Modem connection. Fill the range of IP address of clients, which are to be connected to the Server Site, in “From” and “To” .



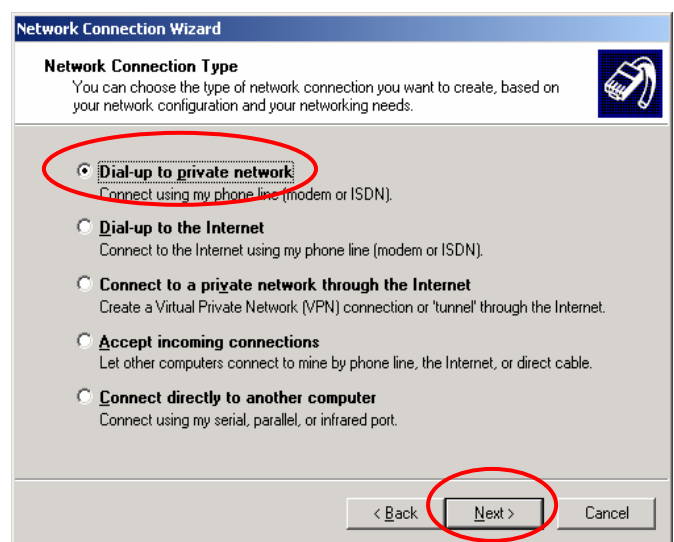
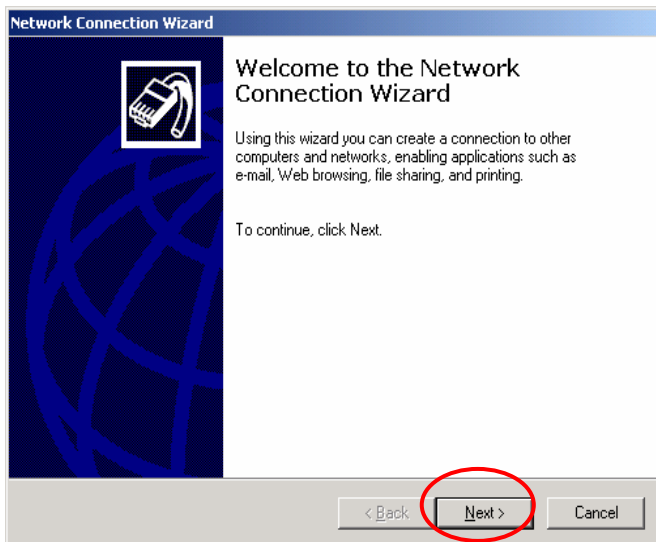
Set up Modem of Net Client or Net Center Site : Create a connection (for Dial-up) :

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



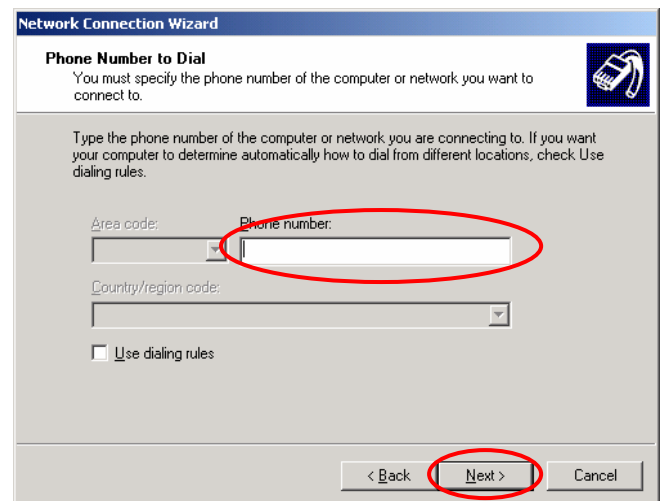
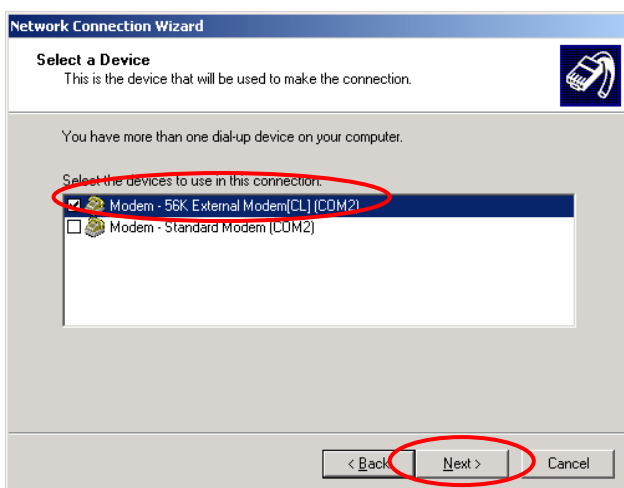
Step 2 : Press “Next”.

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

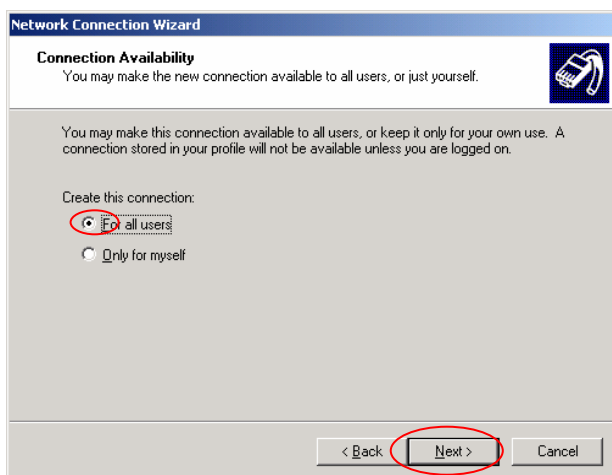


Step 4 : Choose Connection devices, press “Next”

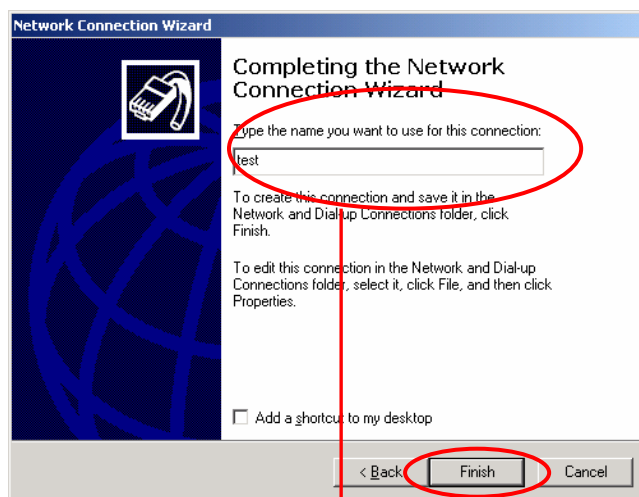
Step 5 : Input Telephone number for connection.



Step 6 : Press “Next”.



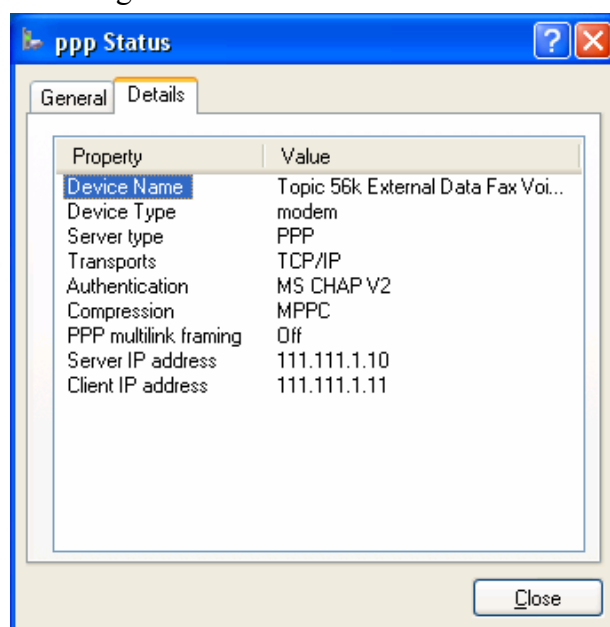
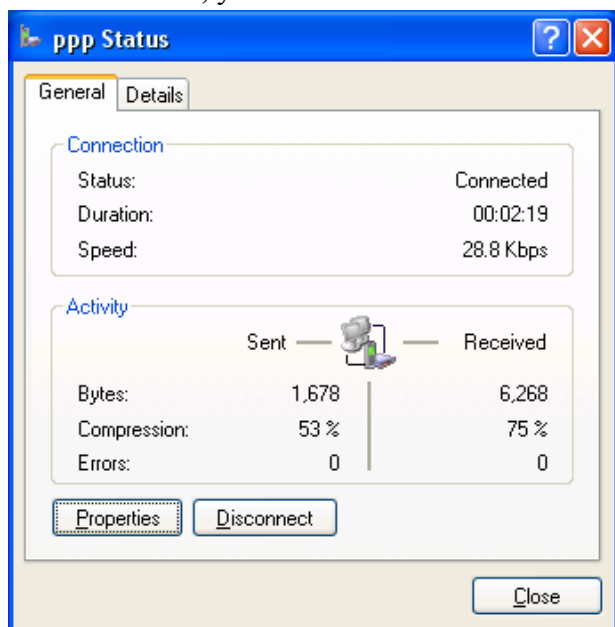
Step 7 : Input name for the connection name, for example, “test” and press “Finish”.



NOTE

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

Step 8 : You should click “Incoming Connection” icon on “Network and Dial-up 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 Server Site with the IP address.



6. Q&A

Q1: When I open 16 windows in Preview mode of Client Site, mosaic image is happened and audio is disconnected?

A1: When you open 9 windows in Preview mode of Client Site of PV-260/261VPRO, the audio and video is normal under this condition. However, when you open up to 16 windows, because CPU loading is too heavy and also the limitation of network bandwidth is exceeded, mosaic image is happened and audio is disconnected.

Q2: Why I cannot be connected to Client Site by choosing Dialing as Connection Mode (Modem to Modem)?

A2: The speed is slow if you choose Dialing as Connection Mode, the rate is 56Kbps. Please keep trying and wait a little longer.

Q3: Why the dial up function is not workable for hot line connection?

A3: 1. Check the modem settings first, goes Control Panel/Phone & Modem Options/Modem, choose “properties”, then uncheck the box of “wait for dial tone before dialing” to fix this problem.
2. The interval between 2 successive dial-ups must be at least 5 minutes.

Q4: Why there is no WAVE file for notification when hot line function is active?

A4: Please check your Modem if it does support wave file transmitting.

Q5: Why the Alarm is active but there is NO unusual motion detected?

A5: The Possibility of this occurrence is because the video source format(PAL or NTSC) of system setting might not be consistent with the Software. Please check you setting of video source format and set it to the right format then re-start the Software to fix this problem.

Q6: Why the IO control box is not workable?

A6: The Modem card and I/O control box might cause incompatible problem to Com Port. Remove either one device(Modem card or IO control box) is recommended.

Q7: Does PV260/261VPRO support Linux?

A7: Sorry, PV260/261VPRO does not support Linux, PV-260/261VPRO only support Windows2000 and XP.

Q8: If I need connect to the Server Site by MPEG4 Net Client and there are 2 users, who need connect to Server Site at the same time, how about the accounts?

A8: If you need connect to Server Site by MPEG4 Net Client and more than 1 user will do it at the same time, please use different accounts for the users.

Q9: Every time, after I have done the setting for Modem described in Appendix 1 for remote connection, what I need do?

A9: Please go to Set Net Server to enable Modem Server, then the remote connection for Modem Server is ready for use.