Network IP Digital Video Server - 4 port   ID# 515

**Operation Manual**

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Introduction

The Network IP Video Server - 4 Port is a Digital Network broadcaster allows you to transmit audio, video as a streaming over the Internet. You can share your DVD program or TV Program in your Internet web site or connect to a Video Camera to watch your home or baby room on internet from anywhere in the world, and you also can email the image to your friends or families. Network IP Video Server - 4 Port supports motion detection function, and also supports the image quality, image size and image parameters adjustments functions.
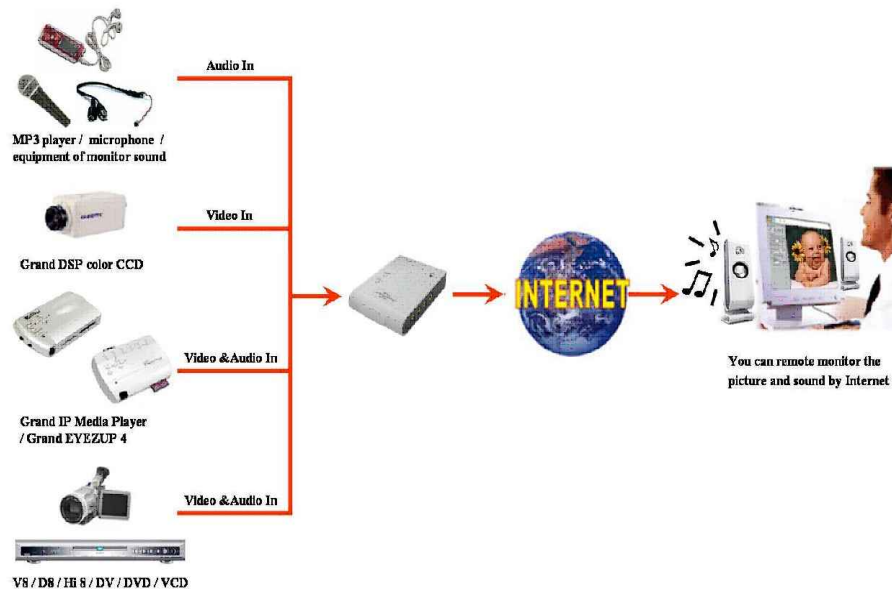
Features

- Pure hardware design, just Plug & Display.
- High performance and fully configurable MJPEG compression engine.
- Remote view and record through the IE Browser. (Suitable for **Windows Vista**)
- Supports Input：4 Video Input and 1 Audio Input.
- Supports 4 video channels display at the same time.
- ActiveX control supports digital signature.
- Supports image recording function (MJPEG format) and snapshot function.
- Supports motion detection function and send E-mail when something moving.
- Adjustable image quality Lowest / Low / Medium / High / Highest.
- Adjustable resolution 160X120 / 176X144 / 320X240 / 352X288 / 640X480 / 704X576.
- Adjustable image frequency Indoor 50 / Indoor 60 / outdoor.
- Adjustable image parameters Brightness / Contrast / Saturation / Hue / Sharpness.
- Support many Network services: HTTP (User Interface), FTP (FTP Client), PPPoE (Fixed IP Address is recommended), Dynamic DNS, and firewall port forwarding (used in virtual IP address).

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Hardware Conection

DEFAULT
REBOOT
VIDEO IN
POWER LED
DC IN
RJ 45 INPUT
AUDIO IN
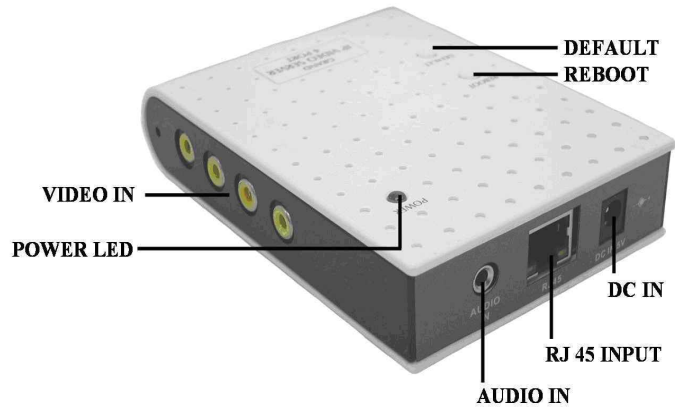
- **Default**：Press this button to .restore the original default parameters.
- **Reboot (reset)**：Press this button to restart the Network IP Video Server.

- **4 Video IN**：Connects to video out of video source. (camera、DVD player)

- **1 Audio IN**：Connects to sound output. (microphone、DVD player)

- **RJ 45 Input**：Connects to router or PC by RJ-45 Cable.

- **DC IN**：Connects to power adapter (-) ← (●→ (+), DC 5V/2A

- **Power LED**：Power LED indicator.

Audio In
MP3 player / microphone / equipment of monitor sound
Video In
Grand DSP color CCD
Video &Audio In
Grand IP Media Player / Grand EYEZUP 4
Video &Audio In
V8 / D8 / Hi 8 / DV / DVD / VCD

INTERNET

You can remote monitor the picture and sound by Internet

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First time to login Network IP Video Server 4 Port

Step 1：Please execute the "ipEdit.exe" in the CD, and select the "Unblock"

　　（windows XP SP2 only)

Step 2："Video Server……192.168.1.127" has been listed in the left side, and double click "192.168.1.127" to login the Network IP Video Server 4 Port.

        ipEdit Tool　　　　　　　　　**Window of Video Server 4 Port**
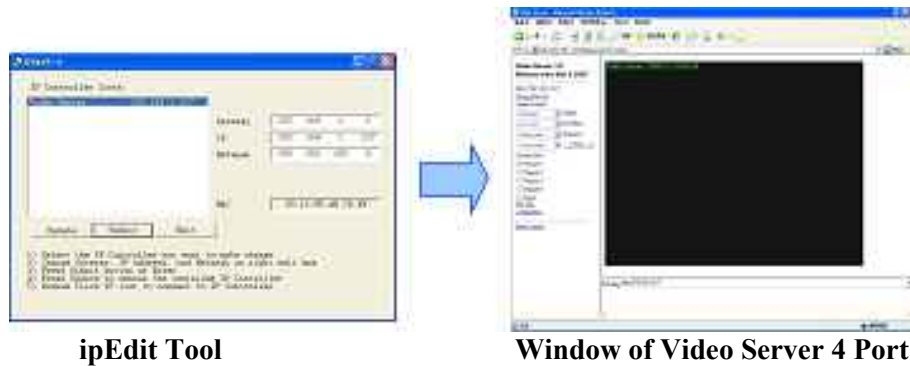
If you can not connect to the Address: 192.168.1.127, please according the following steps to get Network information

Step 3：Click on "Start" → "Run" and key in "command", then press "ENTER".

   The MS-DOS window will appear, please key in " ipconfig " and then press " ENTER " to get the network information.

Step 4：Then you can assign IP Address, Netmask (Subnet Mask) and Gateway (Default Gateway) for the IP Controller.

NOTE：.You must use the same Subnet Mask" 255.255.255.0 "and Gateway "192.168.2.254".You can use any IP Address between 192.168.2.1-254, but please make sure that theIP Address has never been used or is used by any other IP addressable device.

Step 5：For example, key in the following parameters and click "Submit".
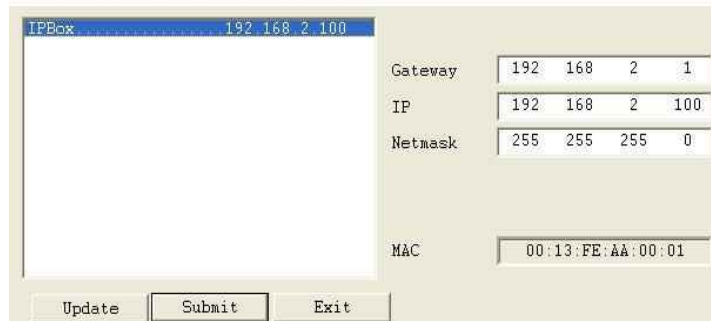
Login to the IP Video Server 4 Port

Default IP Address：http://192.168.1.127/

How to Use The

Virtual IP Address

If your network Architecture supports the following figure, you will need to do port and local virtual IP forwarding in the firewall or gateway setup.
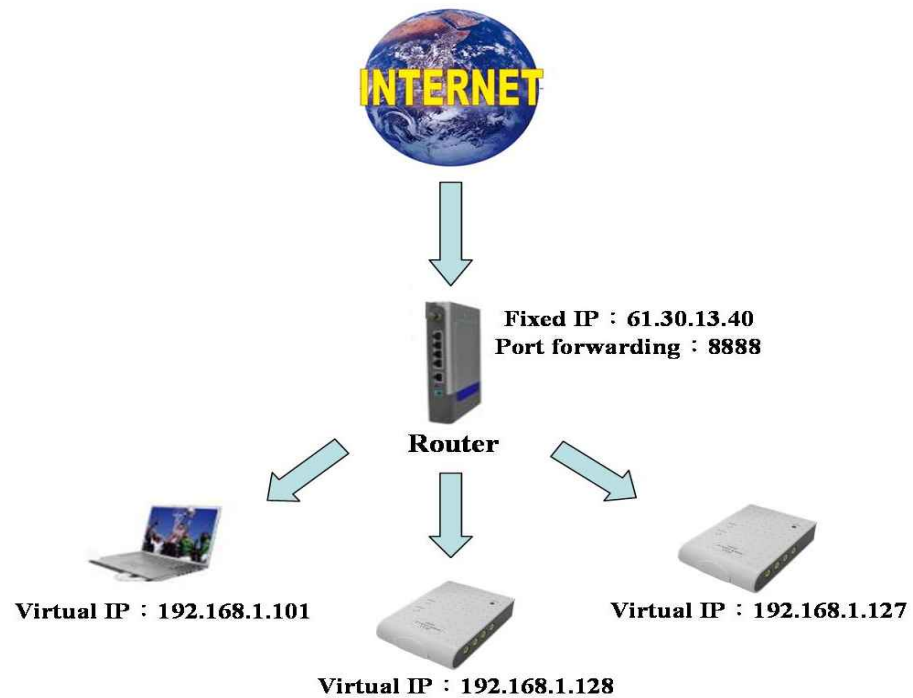

Step 1：In this Page **http://192.168.1.127/Ctl/index.htm?Cus?Audio/**, please select "**Configuration**" and "**System**" assign two different port numbers for the Http Protocols (for example HTTP：8889, HTTP：8888)

(Please remember reboot the system)

Step 2：Setup your firewall or gateway, and assign a Local Virtual IP: 192.168.1.127 and open a port 8888 and 8889 for the IP Video Server 4 Port, the following figure is just a example, you need to ask your Internet Service Provider.
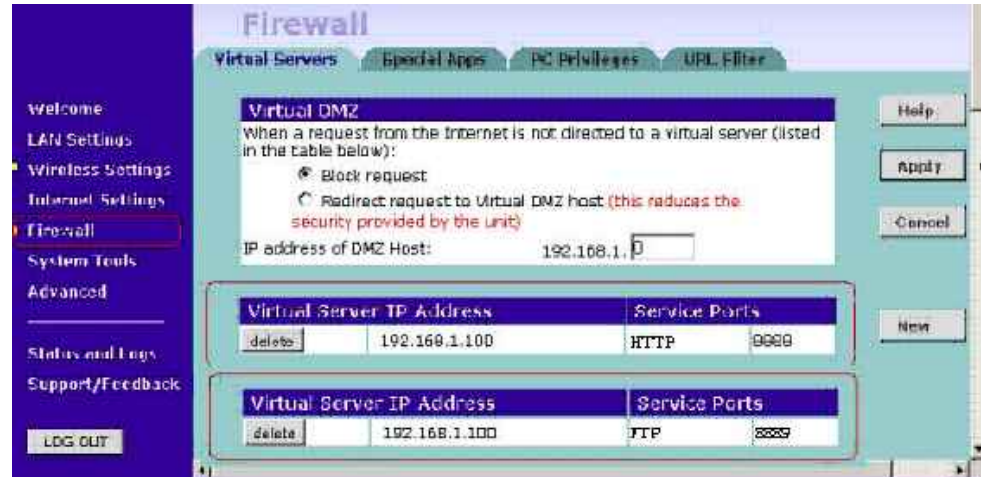
Step 3：In the Local PC, please open the Internet Explorer then key in the IP address：
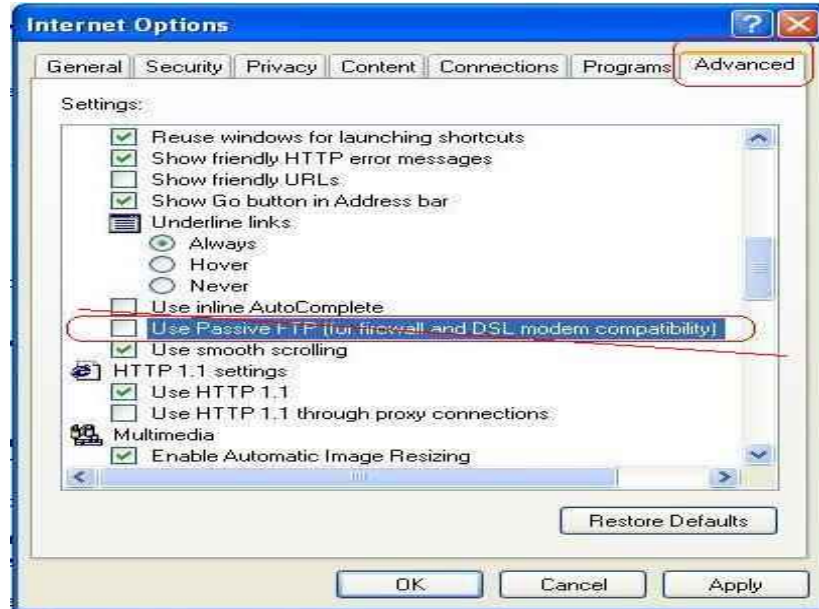
http://192.168.1.127

Step 4：In the Remote PC, please open the Internet Explorer, then key in the IP address：

http://61.30.13.40:8888

Step 5：Setup the Internet Explorer about FTP Client

Click "Tools" → "Internet" → "Options" → "Advanced", and then the "Internet Options" window will appear, please remove the Item "Use Passive FTP(for firewall and DSL modem compatibility)"
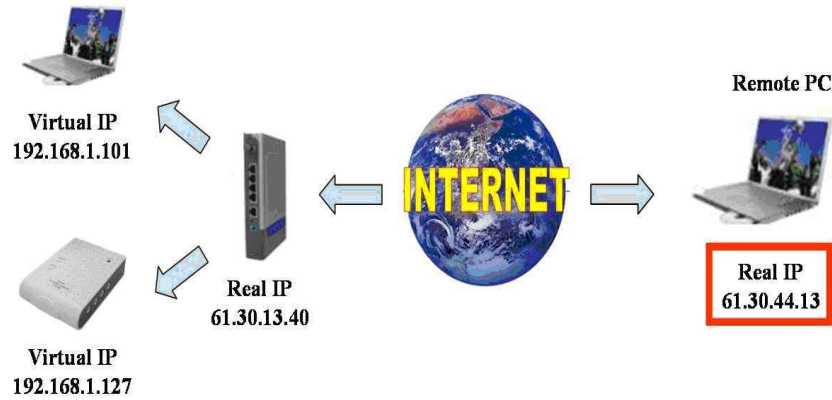

Internet option
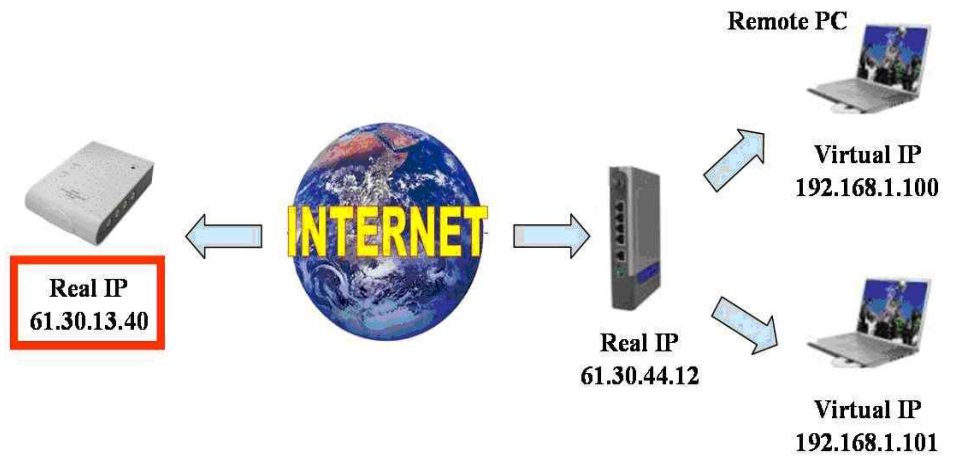
Limitation of FTP Protocol

If your network Architecture is the same as the figure, you can not transfer Files with FTP, because FTP server (IP Video Server) and FTP client (Remote PC) both are virtual IP addresses.
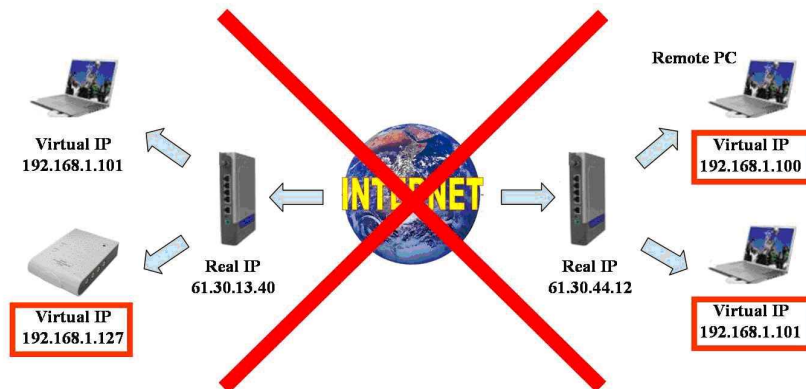
■ You need to change the Remote PC to be a real IP address, also can change the IP Video Server to be a real IP Address
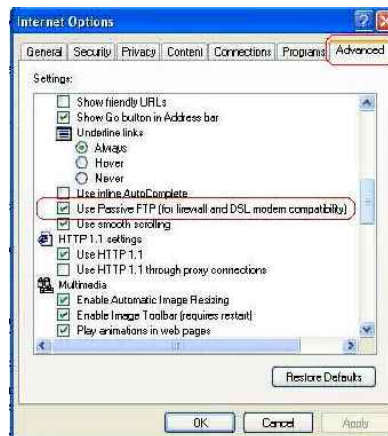

**Change the Remote PC to be a Real IP address**

Change the IP Video Server 4 Port to be a Real IP address

■ Please Setup the Internet Explorer about FTP Client Select the item "Use Passive FTP(for firewall and DSL modem compatibility)"

Connect To ADSL

■ We suggest that you can use the router to dial up the ADSL, more information please refer to the router Help

ADSL

Real IP Address
61.30.44.14

Router

IP Share

Virtual IP : 192.168.1.127   Virtual IP : 192.168.1.128
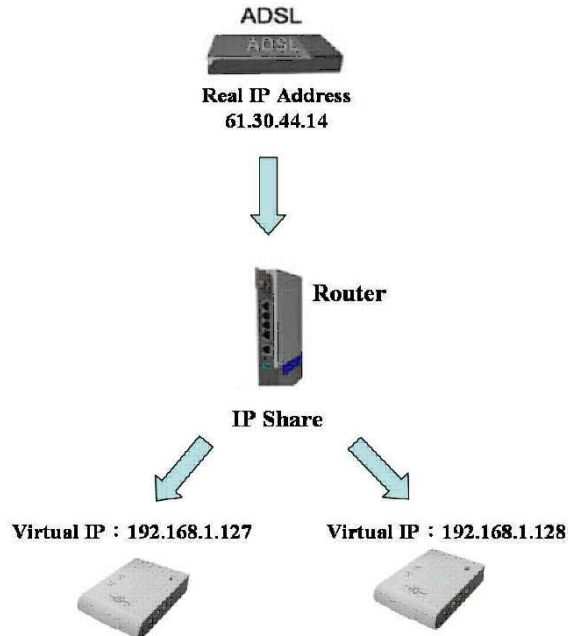
■ If you want to connect IP Video Server 4 Port with ADSL directly, please use the following steps to dial up PPPoE, but if the IP Address is dynamic, you need to setup DDNS function.
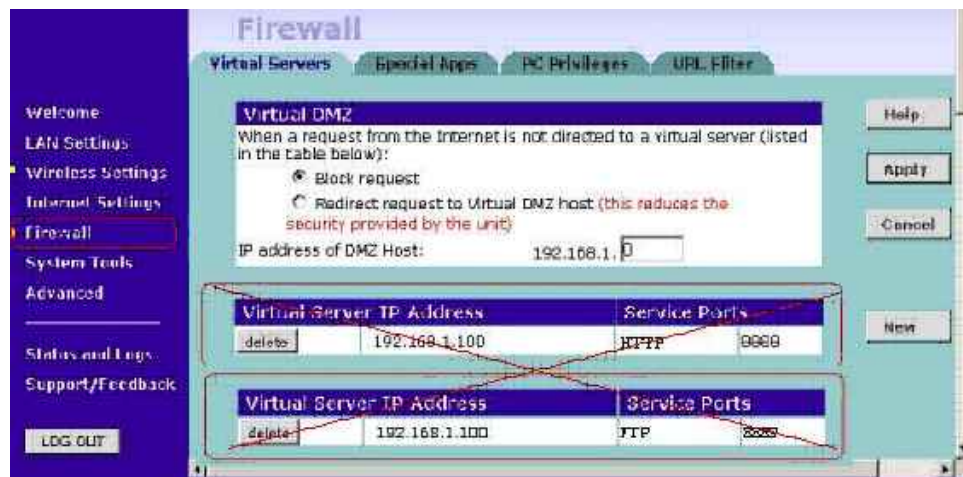
ADSL

Fixed IP Address is recommended

Real IP Address   Real IP Address
61.30.44.13   61.30.44.14

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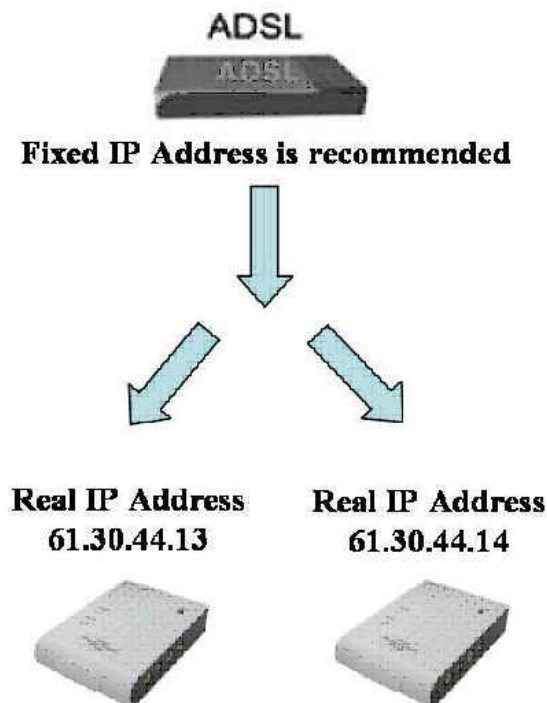
About Internet Security

◼ Please often change the User ID and Password.

◼ For high Internet Security, we suggest you use the router with the firewall function.
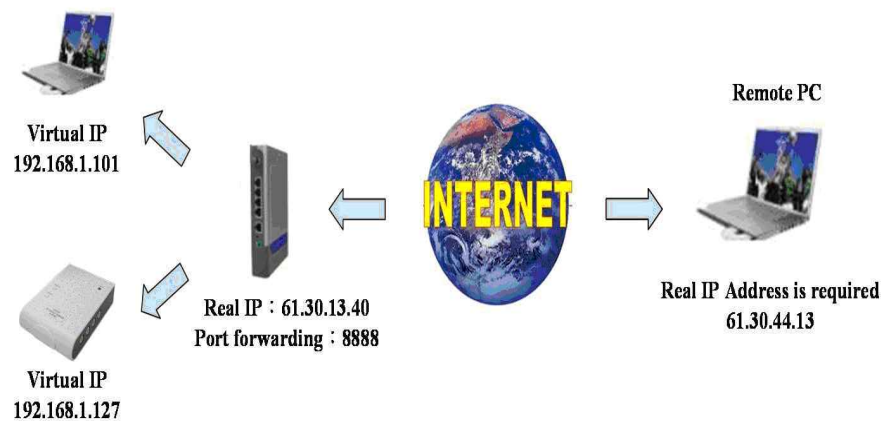
◼ After you update those files to the Player, please remember to delete the Port forwarding

◼ In the next time, you want to update media files, you can connect to the router (for example: key in the IP address http://61.30.13.40) and reopen the FTP port 8889 and Http port 8888 once more.

◼ Although this way is inconvenient, but that can get highest Internet Security. After about 10 seconds, the ftp server ftp://192.168.1.127/has been enabled,
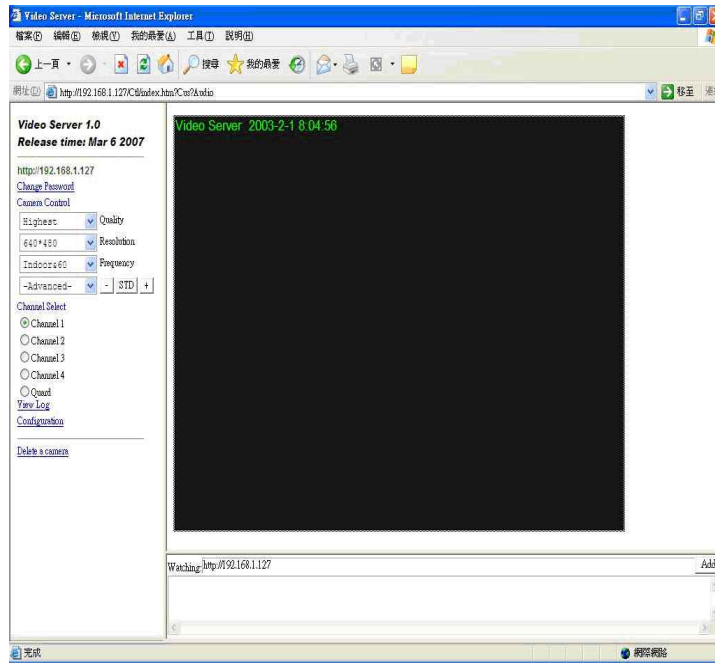
- After connected to the IP Video Server 4 Port, and the Video Server window will appear.

- There are "Change Password", "Camera Control", "Channel Select", "View Log", "Configuration" and "Delete a camera" setup selections at the left side of the Video Server window.

Change Password

- Before you select "Change Password", please make sure "User authorization required" enable the user check function. (click "Configuration" →"User"→ "User authorization required")

- Click the "Change Password", then set a new password to replace the old password.

Camera Control

- **Quality** : To select the image quality and recording mode.

  1. **Image Quality** : Lowest, Low, Medium, High, Highest.

  2. **Recording Mode** : motion (motion detect function)

- **Resolution** : To select the image resolution. (160x120, 176x144, 352x288, 320x240, 640x480, 704x576)

- **Frequency** : Adjust the light frequency to suit your country. (Outdoor / Indoor 50 / Indoor 60)

- **Adjust the image performance** :

  Click "+" or "-" to adjust the values, and click "STD" to reset all values to the original settings.
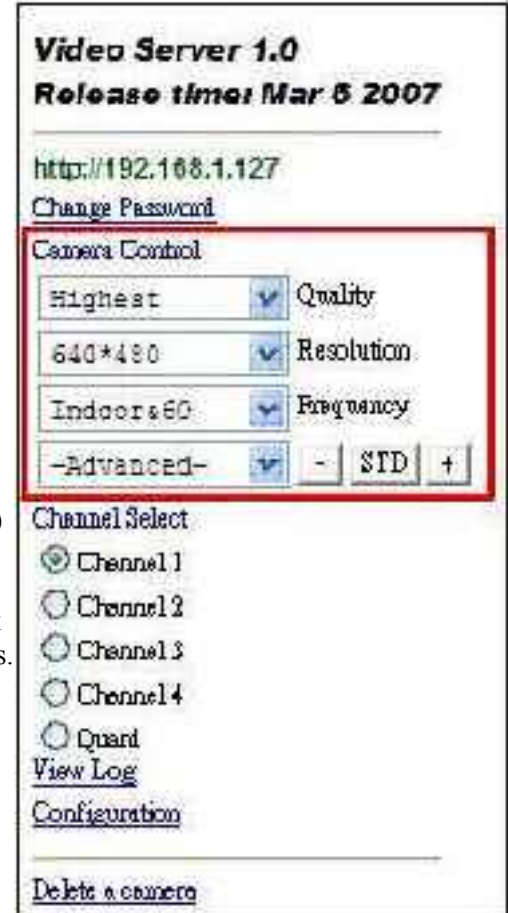
Channel Select

Channel 1: Display channel 1 at frame.

Channel 2: Display channel 2 at frame.

Channel 3: Display channel 3 at frame.

Channel 4: Display channel 4 at frame.

Quard: Display 4 channels at frame.

View Log

Click "View Log" to check the system and client log information of IP Video Server, including the "Main Info", "Appended Info", "Operator IP", "Operator MAC" and "Time".

IP Camera Logs (http://192.168.1.127) Back to camera window

Main Info	Appended Info	Operator IP	Operator MAC	Time
System Boot				8/29/2006 15:20
New client		127.0.0.1		8/29/2006 18:42
Set Server IP	manu	127.0.0.1		8/29/2006 18:43
Set Server IP		127.0.0.1		8/29/2006 18:43
New client		192.168.1.105	00:0C:76:81:59:1A	8/29/2006 18:43

View Log

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Configuration

System

● **Camera name**：Key in the new name of camera, and select "Change" to summit it.

● **Camera's time**：You can chose "NTP" or "Input new time" to set up the time.

- NTP：Key in the Server IP address, and IP Video Server will get the time from NTP server.

- Input new time：Disable the "Synchronize with PC's time", you can set up the time by yourself. (please click "Adjust" to adjust the setting after set up)

● **Http port**：Supports 2 Http port setting.

System Setting

User

● **User authorization required**：Checking the Enable use check function will enable the user check when the users want to Access the Network IP Video Server. The Login window will prompt for the User name and Password. If the check box is not checked, then the user check will nor be enabled.

● **Add a user or change password**：To create a new user account, or change current user's password.

● **Delete user**：You can delete the current users. Select the user account from the "Username" list box, and click "Delete" to delete it.

● **Current user list**：It lists all current users.

User management

Motion Detect

● **Motion Detect**：Select "Enable" to activate the motion detection. And chose the sensitivity of motion detect (High / Middle / Low).

● **Mail Setting**

  - Setup the "SMTP Maul Server" and E-mail address. (Password use or not)

  - Key in the sender's email address and the recipient's email address.

  - The content of "Subject" can be modified.

● **FTP Setting**：The motion detected images can also be uploaded to FTP server.

    - Key in the IP address or domain name of the FTP Server.

    - Key in "Username" and "Password" of the FTP Server.

    - Certain FTP severs need an "Account" field. Leave it blank if it is not needed.

    - Key in the remote folder upload path information for saving the setting.

Motion Detection Setting

Network

● **IP Assgnment**

　- **Manually**：Setting IP address / Subnet mask / Default gateay

　- **Automatically by DHCP**：When IP Video Server is joined into the LAN, it will issue the DHCP packets to request an IP address that is dynamically assigned by the DHCP server.

　- Select "Reboot immediately" to take effect about these setting.

● **PPPoE**

　- **Save & Dial Now**：Press the button to connect to the ADSL line by PPPoE immediately.

- Dial On Power Up：When you select this function, Network IP Video Server will dial up PPPoE connection automatically after each power up. If you prefer to use PPPoE connection, this function is recommended.

- Key in "Username" and "Password" of the PPPoE.

- Send mail after dialed：Mail sent out after dialing is completed.

- If the mail server needs authentication, the "Password" need to be selected.

- Key in the sender's email address and the recipient's email address.

- The content of "Subject" can be modified.

- Click the "Save" to save the setting.

Network Setting

Audio

- Select "Pcm" or "Adpcm" to activate the Audio format.

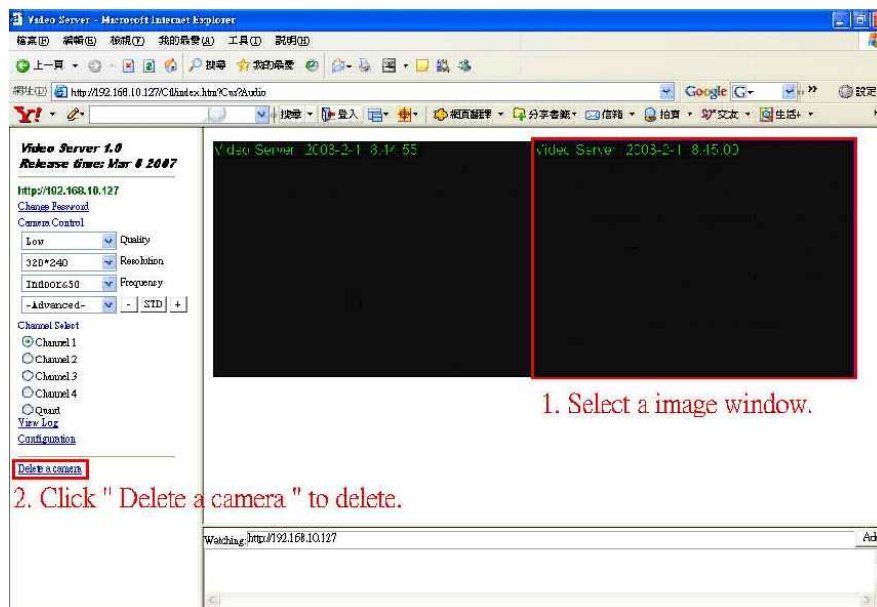- Select "On" or "Off" to activate the Audio output

DDNS

- Select "Enable" or "Disable" to activate the DDNS function or not.

- Key in "Username" and "Password" of the DDNS Server.

- Key in "Domain Name", "HTTP Proxy", "Proxy Username" and "Proxy Password", then click "Submit" to save.

Dynamic DNS

Delete A Camera

Select one of the image window that you want delete at the right side, then click "Delete a camera" to delete.

Other Functions

On the IE Browser, right mouse click on the video to active a pop-up menu. The menu includes "View", "Splits", "Rotate", "Resolution" functions of the video, and includes "Image Recording" and "Save Current Picture As" functions.
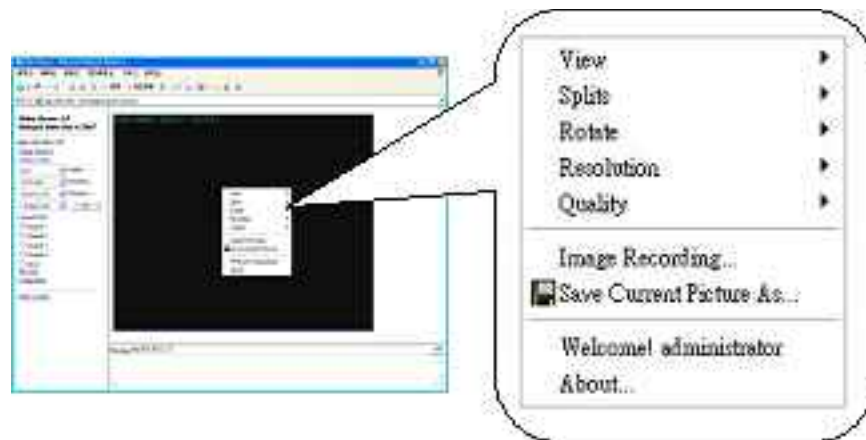

Image Recording

■ **Save as JPEG**

Step 1：Select "Image Recording(F11)…", and the "Image Recording" window will appear, then

 select the "Save as JPEG" option.

Step 2：Key in the download "Number" to save the desired number of image, or select "No Limit"

 to save the images continuously, unit the "Stop Image Recording" is selected.

Step 3：Click the "Save As", and a pop-up window displays to select the save path and file name.

Step 4：Click "Start" to perform the image download and save the JPEG files.

■ **Save as AVI**

Step 1：Select "Image Recording(F11)…", and the "Image Recording" window will appear, then

 select the "Save as JPEG" option.

Step 2：Key in the "Number", "Size" or "Time" on each AVI file.

Step 3：Select "No Limit" option will save the video file unit the "Stop Image Recording" is selected.

Step 4：Click the "Save As", and a pop-up window displays to select the save path and file name.
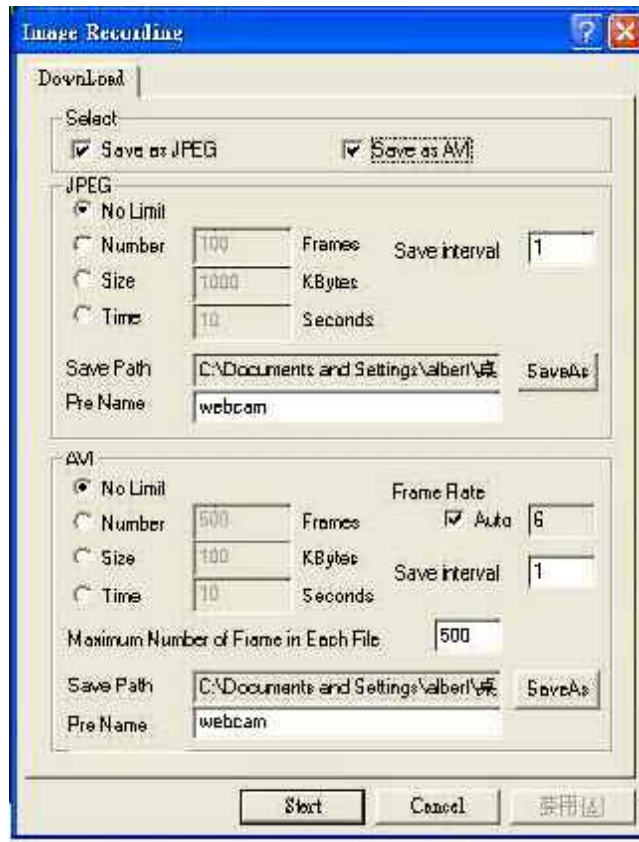
Step 5：Click "Start" to perform the video save.

Image Recording

Save Current Picture As

Step 1：Click "Save Current Picture As…" option to save the current image display to the local PC.

Step 2：Select the save path and key in the name of the picture, and click "Save".

Trouble Shooting

Situation	Check Point
Forgot the login user name and password	1.　　Press continuously the default button of the IP Video Server 4 ports about 10 seconds to restore the factory default settings. 　Default IP Address: 192.168.1.127