4-CH Network Video Recorder

NVR-400

User's Manual

Version: 1.0

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Revision
User's Manual for PLANET 4-CH Network Video Recorder
Model: NVR-400
Rev: 1.0
Part No.: EM-NVR400

PREFACE

Thank you for purchasing the Network Video Recorder, an IP based device that installed on your network, which can be managed remotely via the Internet or your LAN. Together with the Internet camera, the Network Video Recorder allows you to remote access and simultaneous record live video streams.

The Network Video Recorder is easy to install and use. Simply connect it to the router/switch within your network, and the device will automatically access to the connected camera(s) by default IP protocol.

This *User Guide* provides you with the instructions and illustrations on how to use your Network Video Recorder, which includes:

Chapter 1   Introduction to Your Device describes the components and features of the device.

Chapter 2   Hardware Installation helps you install the device according to your application environment.

Chapter 3   Accessing the Device lets you start using your device without problem. The device can be set up easily and work within your network environment instantly.

Chapter 4   Configuring the Device guides you through the configuration of the device using the Web browser on your PC.

Appendix   Provides the specifications of the device.

NOTE

The illustrations and configuration values in this guide are for reference only. The actual settings depend on your practical application of the device.

Table of Contents

CHAPTER 1 INTRODUCTION TO YOUR DEVICE

1.1 Checking the Package Contents

Check the items contained in the package carefully. You should have the following:

   1 x NVR-400
   1 x Power Cord
   1 x Power Adapter
   1 x RJ-45 Cable
   4 x Rubber Pad
   4 x Screw
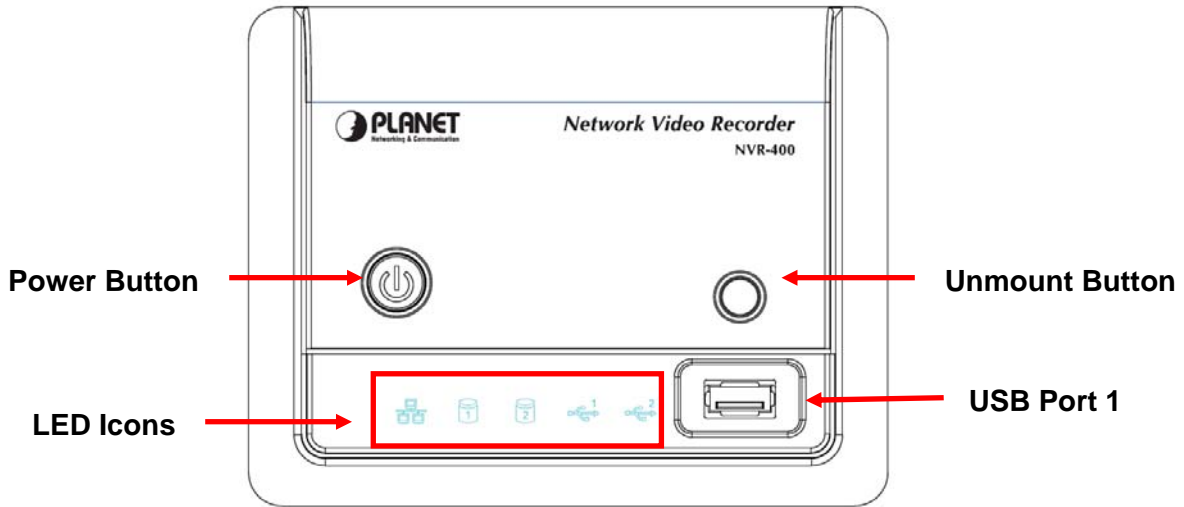   1 x User's Manual CD-ROM
   1 x Quick Installation Guide

NOTE

Once any item contained is damaged or missing, contact the authorized dealer of your locale.

1.2 Features and Benefits

- ■ Simultaneous Record and Live Video Streams
- ■ 4 IP Cameras Manual or Schedule Recording
- ■ Web-based Administration for Easy Configuration
- ■ Provides FTP, UPnP Media, iTunes Server
- ■ 2 USB Ports for External Backup and Printer
- ■ Supports RAID 0, 1 and JBOD
- ■ Equips with Gigabit Ethernet Port
- ■ Provides Multiple Languages
- ■ Firmware Upgradable

1.3   Getting to Know Your Device

■ **Front Panel**

| Item	Description
Power Button	Press to turn on the device. Press and hold for about five seconds to turn off. When you press the button to boot, the button start blinking Blue, and then becomes a steady Blue when the device is ready.
Unmount Button	Press to safely remove the connected USB device on the USB Port 1.
USB Port 1	Connect the external USB backup device.
LED Icons	The LED icons on the front panel let you know the related status of your device. See the following table for more information of the LED icons.
Icon	**Description**
🖧	A steady Green (1000 Mbps) or Amber (10/100 Mbps) light indicates the device is connected to your LAN. When it blinks, the device is receiving/ transmitting data from/to the network.
⛁ 1 / 2	A steady Green light indicates the hard disk drive is installed in the device. A blinking Green light indicates the installed hard disk drive is reading/writing data. A steady Amber light indicates the hard disk drive is complete full (100%). A blinking Amber light indicates the hard disk drive is getting full (95%).
⇌ 1 / 2	The LED off indicates no USB devices is connected to the device. When you connect the USB device to the device, the LED becomes a steady Green light. When it blinks, the device is receiving/ transmitting data from/to the USB device.

■ **Rear Panel**

Fan and Ventilator

DC 12V

Reset
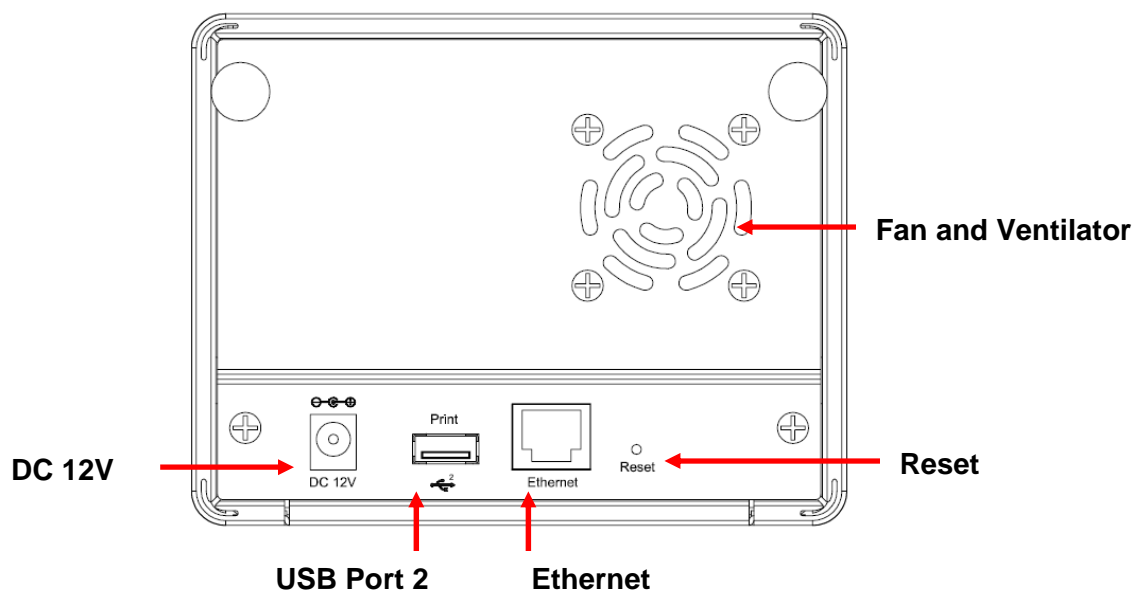
USB Port 2   **Ethernet**

Item	Description
DC 12V	Plug the provided AC Power Adapter.
USB Port 2	Connect the USB printer (non-GDI interface).
Ethernet	Plug the provided Ethernet Cable to connect to your LAN.
Reset	Press to reset the device. Press and hold for about five seconds to resume the factory default configuration.
Fan and Ventilator	Do not block or cover the ventilator for air circulation.

CHAPTER 2 HARDWARE INSTALLATION

2.1 Networking Application

The following diagram explains the application of the Network Video Recorder within your network. In the illustration below, the Network Video Recorder and four Internet cameras are connected to a router/ switch, which minimize the impact of the network traffic for the users within the network.
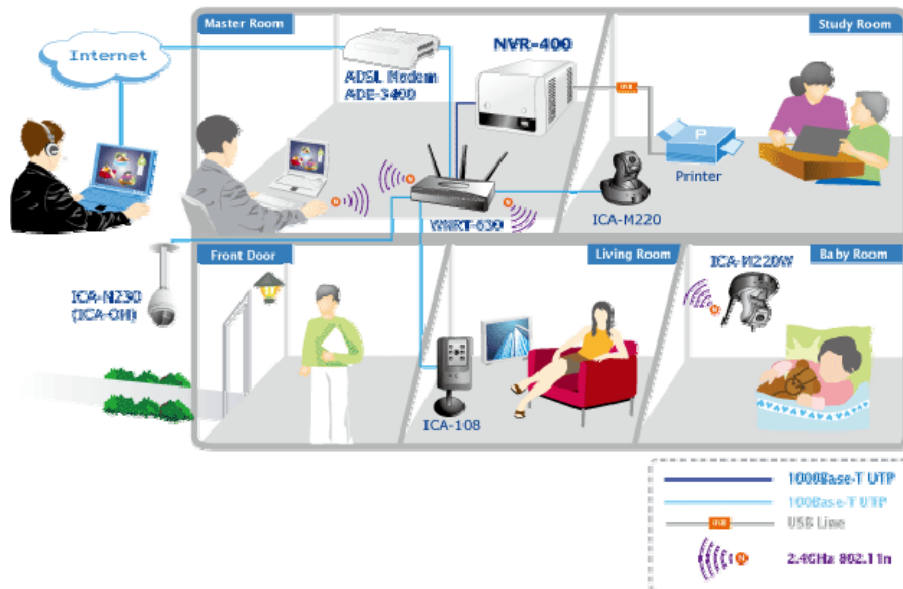
Network Video Recorder in your networking environment

2.2 Installing the Hard Disk Drive

1. Disconnect the power cable of the device.

2. Remove two screws on the rear panel, and then remove the rear panel.
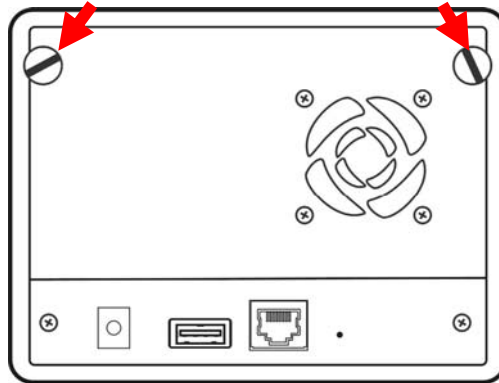
3. Pull the disk tray out until it jammed in the rack.

4. Place the hard disk drive on the tray, and then secured the screws on both side.
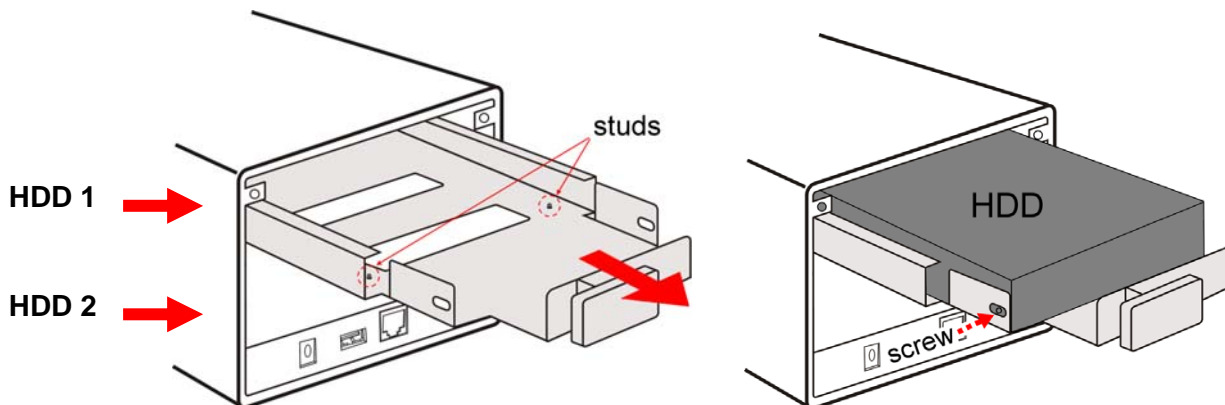
NOTE

While placing the hard disk drive onto the tray, align the screw holes on the bottom of hard disk drive with the studs on the base of tray. The two studs are designed to ensure the hard disk drive will be installed on the bracket securely.

5. Push the tray into the disk bay all the way until it connects the device.

6. Replace the rear panel and secure two screws.

2.3 Connecting the Network

Plug an Ethernet cable to the LAN connector located on the device's rear panel, and then connect it to the network or directly to a computer for configuration.
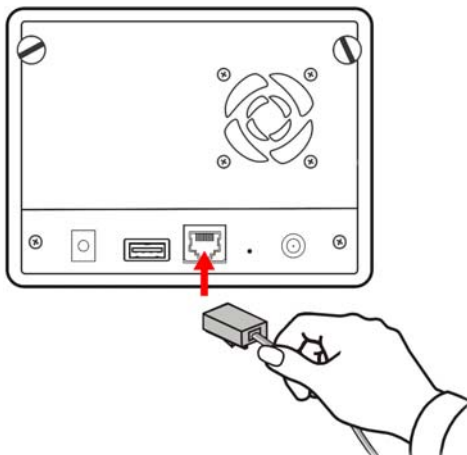
Connecting the LAN cable

2.4 Connecting the Power Adapter

Plug the AC power adapter to the power connector located on the device's rear panel, and then connect it to your local power supply.
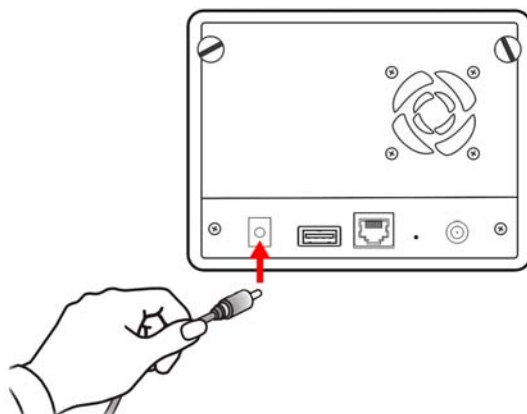
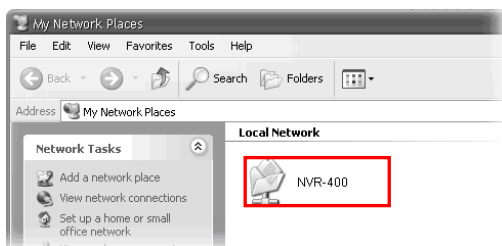**Connecting the power cable**

CHAPTER 3 ACCESSING THE DEVICE

3.1 Accessing the device via My Network Places

Since you have built a connection between the Network Video Recorder and your PC, you can easily access the device via My Network Places.

1. On your PC, click **Start > My Network Places**.

2. Find the device with its device named (such as *NVR-400*) in My Network Place.

3. Double-click the device icon. When the login window appears, enter the User name (the default is *admin*) and password (the default is *admin*), and then click **OK** to access the Network Video Recorder.
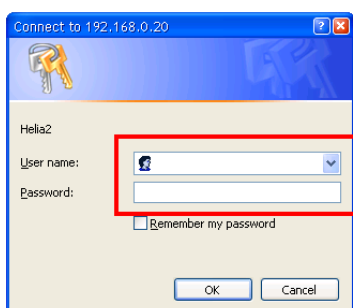
3.2 Using IPFinder

The device comes with a conveniently utility, IPFinder, which is included in the Installation CD-ROM, allowing you to search the device on your network easily. The following instructions are how to install the IPFinder software.

1. Insert the bundled CD-ROM into your computer's CD-ROM Drive to initiate the Auto-Run program. It will show you a web page.

2. Click the **IPFinder** hype-link to install this utility. If you don't see the web page, you can find the IPFinder in F:\utility\IPFinder, suppose F is your CD-ROM.

3. If you didn't install .Net Framework 2.0 before, it will help you install first.
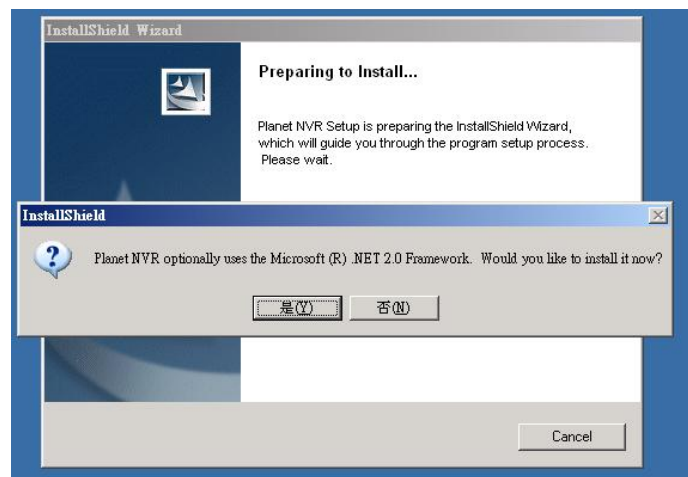
4. When you complete installing .NET Framework, you will continue to install the IPFinder. Please click Next.
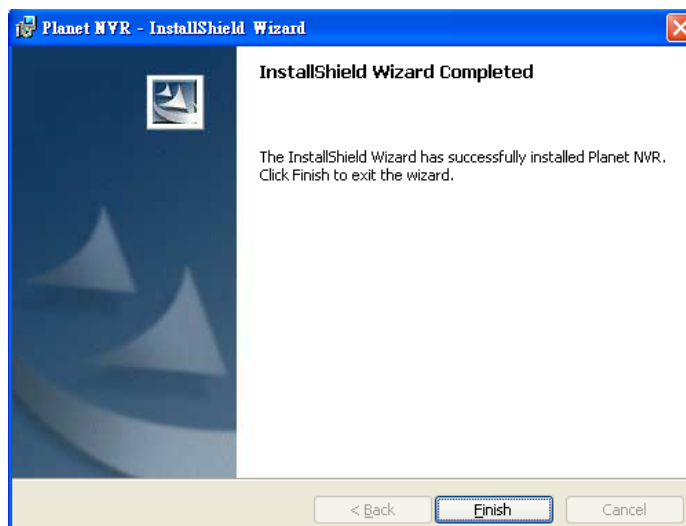
5. Fill the customer information and click Next.
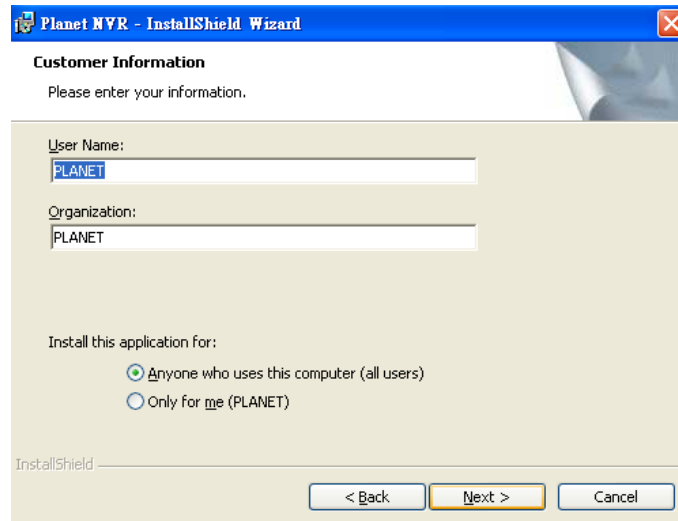
6. Click Install to begin the installation.
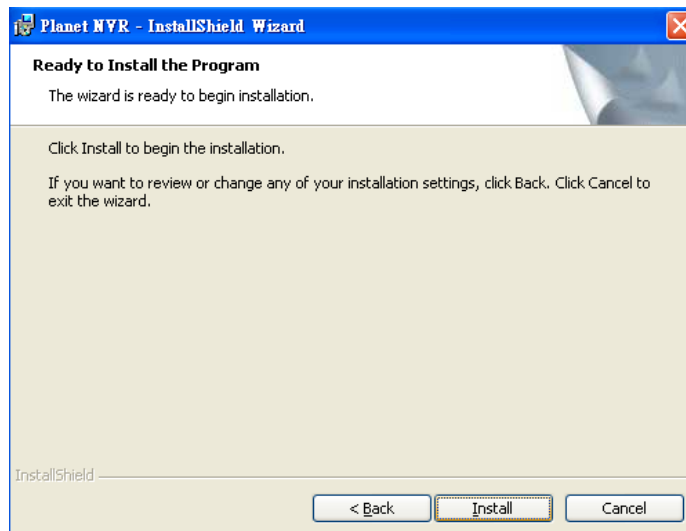
7. Click Finish to finish the installation.

8. When you finish the installation, you can find IPFinder in Start Menu > All Programs > PLANET > Planet NVR > IPFinder. You can also find the shortcut on desktop as below.

9. Launch the IPFinder, the control panel will appear as below.

Display the connected device(s).
Double click to link the device.
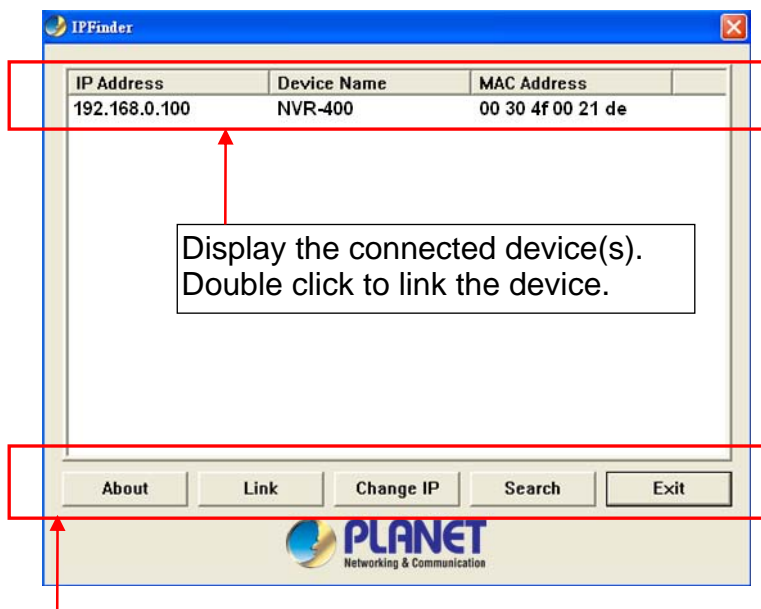
Click **About** to get the Version information of IPFinder.
Click **Link** to connect the selected device via Web browser.
Click **Change IP** to modify the IP address of the selected device.
Click **Search** to find the IP address of the connected device(s).
Click **Exit** to close the utility.

CHAPTER 4 CONFIGURING THE DEVICE

You can easily access and manage the Network Video Recorder via the Web browser of your PC. This chapter describes the Web Configuration Utility, and guides you through the configuration of the device.

Since the default configuration of the device is DHCP mode enabled, you are recommended to use IPFinder to search the IP address that is assigned to the device by the DHCP server, and then click **Link** to access the camera via the Web browser.

Login the Homepage

The Web management allows you to access and manage the Network Video Recorder easily. Launch the Web browser and then enter the IP address. The default IP address is **192.168.0.100**. And, fill the User Name and Password to login the Web management. The default User Name / Password is **admin / admin**.
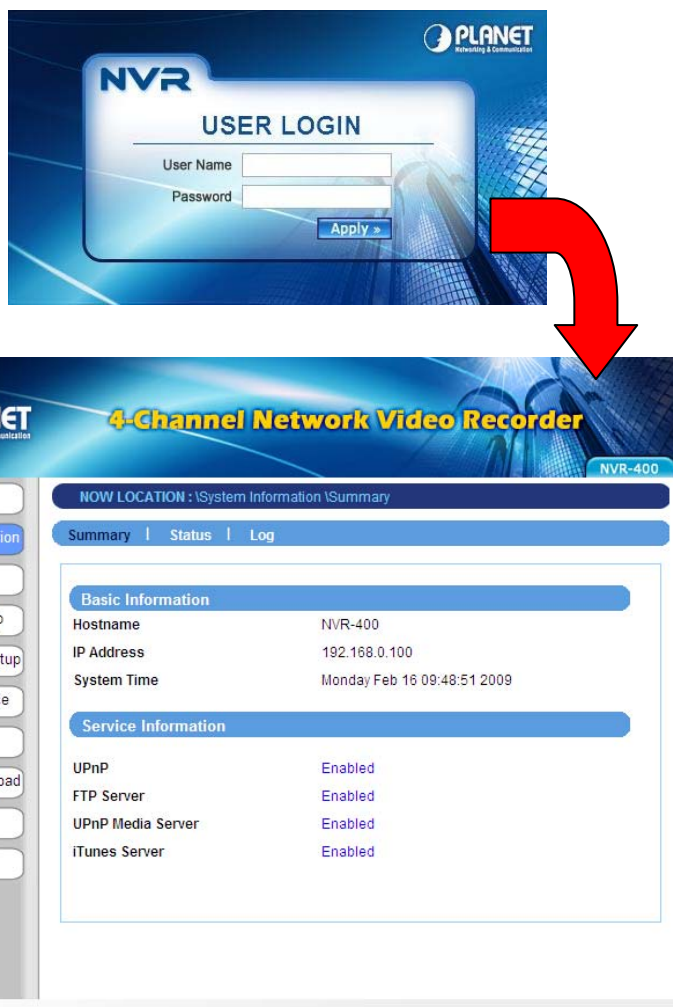
Web Configuration Utility of the device

4.1 Using the Setup Wizard

The device's Setup Wizard lets you configure your device easily and quickly. The wizard will guide you through the necessary settings step-by-step.

To start the wizard, click **Setup Wizard** in the menu bar.

Step 1. LAN Setup

NOW LOCATION : \Wizard \ LAN Setup

Step 1 » Step 2 » Step 3 » Step 4 » Step 5

LAN Setup

Hostname NVR-400

☐ Start UPnP
☐ Use proxy   IP [   ]   Port [   ]

Next »

- Enter the **Hostname** for the device.
- Select **Start UPnP** to enable the device's Universal Plug and Play function.
- If your network uses a proxy server, select **Use proxy** and enter the **IP/Port** values.

Step 2. TCP/IP Setup

NOW LOCATION : \Wizard \ TCP/IP Setup

Step 1 » Step 2 » Step 3 » Step 4 » Step 5

TCP/IP Setup

○ DHCP
⦿ Static IP
IP Address   192 . 168 . 0 . 100
SubnetMask   255 . 255 . 255 . 0
Gateway   192 . 168 . 0 . 254
DNS1   192 . 168 . 200 . 3
DNS2   0 . 0 . 0 . 0

Link Status -
Speed: 1000Mb/s , Duplex : Full , MTU : 1500

« Back   Next »

- Select **DHCP** when your network uses the DHCP server; or select **Static IP** to assign the IP address for the device directly.

  For more information of TCP/IP settings, refer to the Lan section in Web Configuration Utility.

Step 3. Set up Space Type

```
NOW LOCATION : \Wizard \ Storage Setup

Step 1  »     Step 2  »     Step 3  »     Step 4  »     Step 5


Space Type          ◉ Single Disk



                                          « Back   Next »
```

- Select **Single Disk** or **RAID** for storing the files.

  For more information of space type, refer to the Storage Setup section in Web Configuration Utility.

Step 4. Setup Summary

```
NOW LOCATION : \Wizard \ Summary

Step 1  »     Step 2  »     Step 3  »     Step 4  »     Step 5


Setup Summary

Hostname                    NVR-400
UPNP                        Disable
Proxy                       None

DHCP                        Disable
IP                          192.168.0.100
Subnet Mask                 255.255.255.0
Gateway                     192.168.0.254
DNS1                        192.168.200.3
DNS2                        0.0.0.0

Space Type                  Single Disk


                                          « Back   Apply »
```

- Display the configuration of the device.

When you complete the Setup Wizard, click **Apply** to reboot the device. Otherwise, click **Back** to go back to the previous step(s) and change the settings.

4.2 Using the Web Configuration Utility

After completing the Setup Wizard and rebooting the device, you can start to use the Network Video Recorder within your network environment. However, you can configure the advanced settings through the Web Configuration Utility.

The utility contains the following options in the menu bar: **System Information**, **System**, **Storage Setup**, **Authorization Setup**, **Network Service**, **NVR**, **Schedule Download**, **Logout**, and **Help**. Each option provides several related settings in the sub-menu area. Click the desired option from the menu bar and then select the related setting to set up.
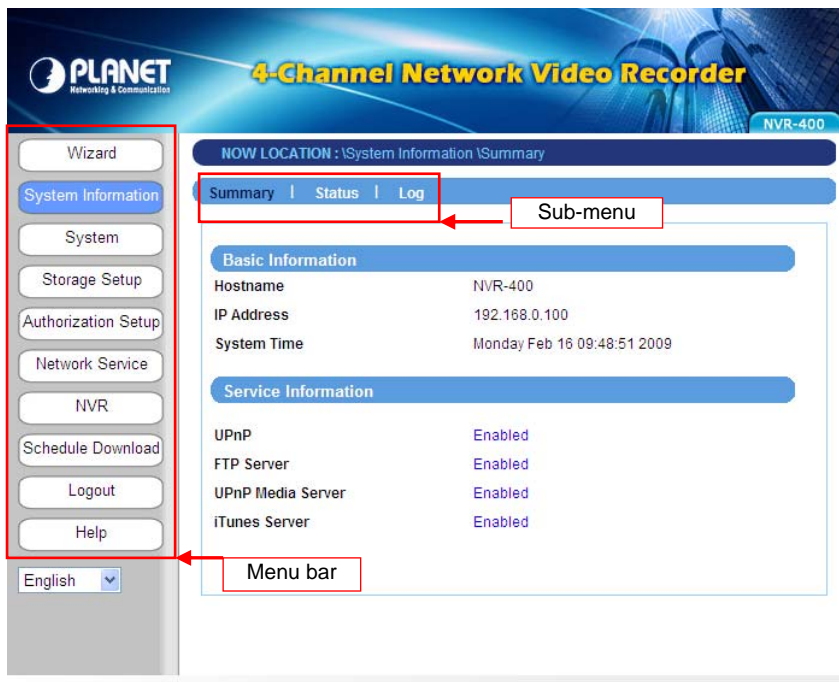
4.2.1 System Information

The System Information menu displays the current configuration and events log of the device.

■ **Summary**
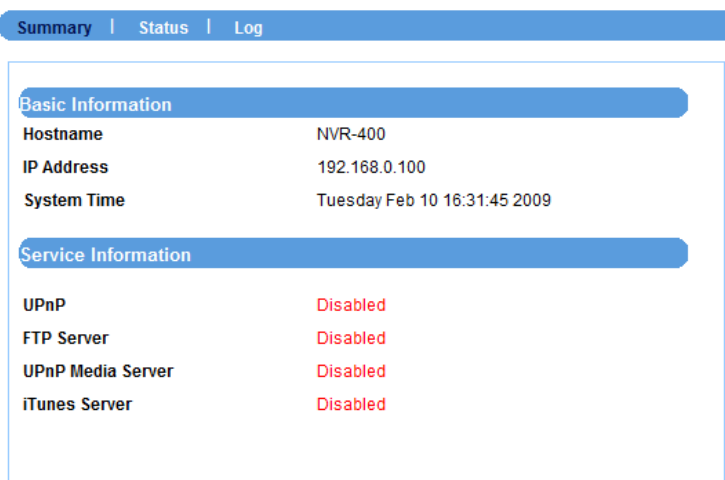
This sub-menu displays the hostname and IP address of the device, the date and time, and the network service that you have set up.

◼ Status

This sub-menu displays the firmware version of the device, the networking information, the time zone, and the disk information.

◼ Log

This sub-menu displays the events log recorded by the system.

4.2.2 System

The System menu contains the basic system settings for the device, such as the networking settings, time and date setup, etc.

■ **Lan**

NVR-400 User Guide

- **LAN Setup**
  - **Hostname:** Enter a descriptive name for the device.
  - **Start UPnP:** The device supports UPnP (Universal Plug and Play), which is a set of computer network protocols that enable the device-to-device interoperability. In addition, it supports port auto mapping function so that you can access the device if it is behind an NAT router or firewall. Select the **Enable** option to enable this feature.
  - **Use proxy:** If your network uses a proxy server, select the **Use proxy** option and then enter the **IP/Port** values.

- **TCP/IP Setup**
  - **DHCP:** Select this option when your network uses the DHCP server. When the device starts up, it will be assigned an IP address from the DHCP server automatically.
  - **Static IP:** Select this option to assign the IP address for the device manually. You can use IPFinder to obtain the related setting values.
  -

IP Address	Enter the IP address of the device. The default setting is: *192.168.0.100.*
Subnet Mask	Enter the Subnet Mask of the device. The default setting is: *255.255.255.0.*
Gateway	Enter the default Gateway of the device. The default setting is: *192.168.0.254.*
DNS 1/2	DNS (Domain Name System) translates domain names into IP addresses. Enter the Primary DNS and Secondary DNS that are provided by ISP.

- **Link Status**
  Display the connection status of the device.

■ **Time**

- **Time Zone**
  Select the proper time zone for the region from the pull-down menu.
- **NTP Setup**
  Select this option and the time will be synchronized with the NTP Server. When you select this option, you have to enter the IP address of the NTP server.
- **Manual Setup**
  Select this option to set the date and time manually.
- **Get time from my computer**
  Click the button and the date & time settings of the device will be synchronized with the connected computer.

Once you complete the time and date setup, click **Apply**.

■ **Notification**

This sub-menu contains the required settings for e-mail notification feature. When you complete the settings, click **Send a test mail** to test the related configuration is correct or not. Once the device connects to the server successfully, click **Apply**.

- **SMTP Server**
  Enter the mail server (e.g. *mymail.com*) in the box. Then, select the **Authorization** check box and complete the following settings:
  - **User ID:** Enter the user name to login the mail server.
  - **Password:** Enter the password to login the mail server.
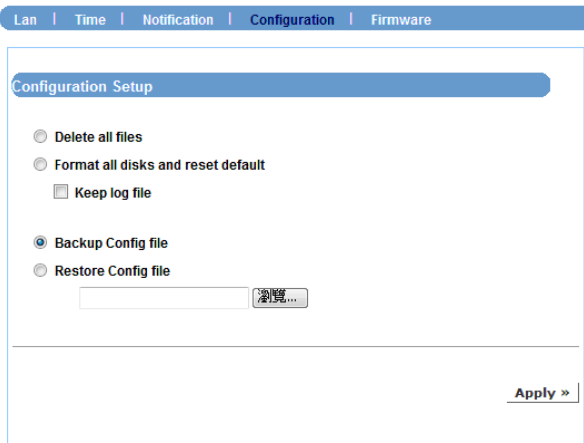 - **Confirm Password:** Enter the password again for confirmation.
- **Sender E-mail**
  Enter the email address of the user (e.g. *john@mymail.com*) who will send the email.
- **Primary/Secondary E-mail**
  Enter the first and second email address of the user who will receive the email.

■ Configuration

| Lan | Time | Notification | **Configuration** | Firmware |

Configuration Setup

○ Delete all files
○ Format all disks and reset default
　□ Keep log file

● Backup Config file
○ Restore Config file

[　　　　　] [瀏覽...]

Apply »

- **Delete all files**
  Select this option and click **Apply** to delete all files stored on the installed hard disk drives.

- **Format all disks and reset default**
  Select this option and click **Apply** to format the installed hard disk drives and reset the device to the default configuration. Select the **Keep log file** check box to save the log file when reset.

- **Backup Config file**
  Select this option and click **Apply** to save the current customized configuration of the device as a file on your PC.

- **Restore Config file**
  Click **Browse** to find the configuration file, and then click **Apply** to restore the customized configuration.

NOTE

Please remember to reboot your device when you clicked **Apply** button.

■ Firmware

| Lan | Time | Notification | Configuration | **Firmware** |

Firmware Update

Firmware Version　　　　2.0.4 build 7
Release Date　　　　　　2008 / 9 / 23

Firmware File [　　　　　] [瀏覽...] [Update]

This sub-menu displays the firmware version of the device. In addition, you can upgrade the firmware once you have a latest version of firmware. When you are upgrading the firmware, make sure that the device is connected to the power source during the process. Otherwise, the device might be damaged because of failure of upgrading firmware.

- **Firmware file**
  Click **Browse** to find the firmware file and click **Update**.

4.2.3 Storage Setup

The Storage Setup menu provides the information and controls of the installed hard disk drives, including the USB device.

NOTE
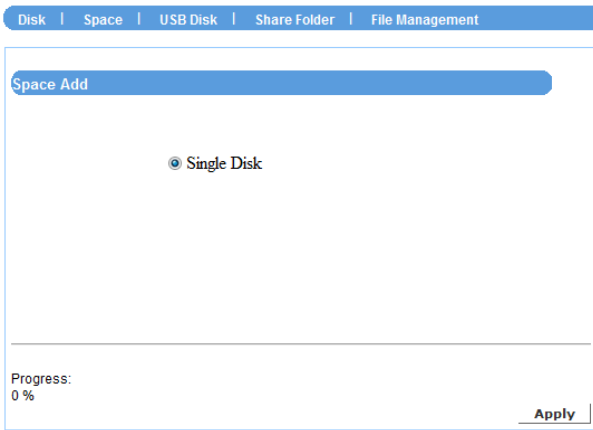You are not recommended to use the USB device as your major storage device.
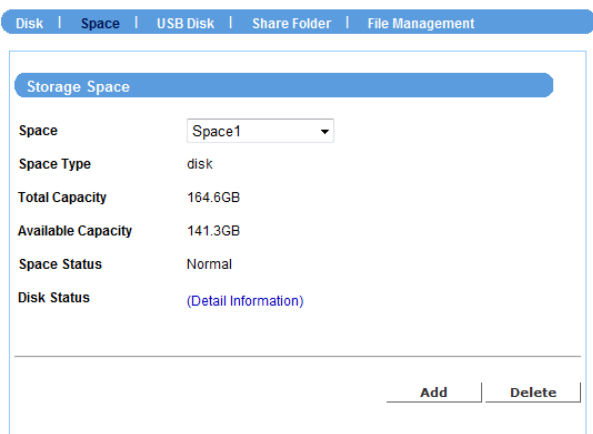
■ Space

Click **Add** to configure the storage space on the installed hard disk drives: selecting **Single Disk** or **RAID**. Then, click **Apply** to start making file system.

Disk | Space | USB Disk | Share Folder | File Management

Space Add

◉ Single Disk

Progress:
0 %

Apply

If you have two hard disks installed in the device, you can select a disk configuration for RAID:

RAID 0	(not recommended) Provide data striping.
RAID 1	(recommended) Provide mirroring over both disks.
JBOD	(maximum data storage space) Combine both drives in a linear fashion to create one volume.

When completed, the related information of the disks is displayed on the screen.

Disk | Space | USB Disk | Share Folder | File Management

Storage Space

Space	Space1 ▼
Space Type	disk
Total Capacity	164.6GB
Available Capacity	141.3GB
Space Status	Normal
Disk Status	(Detail Information)

Add   Delete

Click **Add** to add a storage space, or click **Delete** to remove the current storage space.

NOTE

Please remember to reboot your device when you clicked **Apply** button.

■ USB Disk
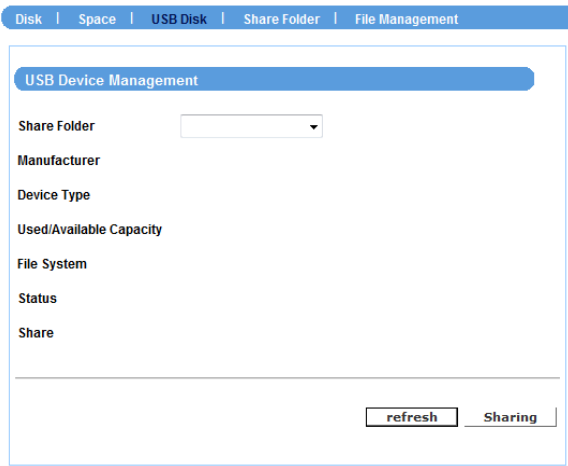
If you connect an external USB disk, this sub-menu displays the information of the USB disk.

To safely remove the connected USB device, click **unmount** from this sub-menu. (The other way is pressing the Unmount button on the front panel of the device for disconnecting the USB Port 1.)
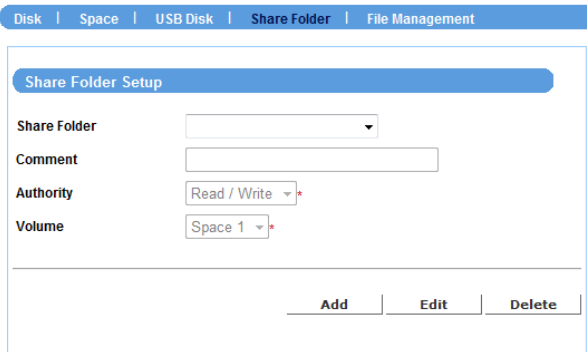
To reload the information of the connected USB devices, click **refresh**.

Click **format** to format the connected USB disk.

NOTE
Please remember to reboot your device when you clicked "apply" button.

■ Share Folder

This sub-menu allows you to specify the shared folder of the disks. Click **Add** and then assign the destination folder from the **Share Folder** list and give a brief instruction in the **Comment** box.

The **Authority** option allows the administrator to limit the usage of the shared folder. Select the authority type (Read/Write or Read Only) from the list to meet your need.

Finally, assign the storage location from the **Volume** list.
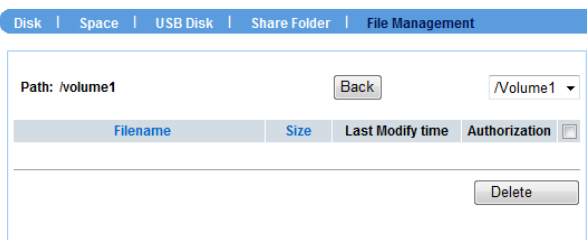
When completed, click **Apply** to add the folder that you assigned. You can then use the File Explorer on your PC to check the folder that will be displayed as the directory under the device name.

To change the setting, select the folder from the **Share folder** list and then click **Edit**. To remove, select it and then click **Delete**.

NOTE
Please remember to reboot your device when you clicked **Apply** button.

■ File Management

This sub-menu displays the log of file system that you have made in the device.

4.2.4 Authorization Setup
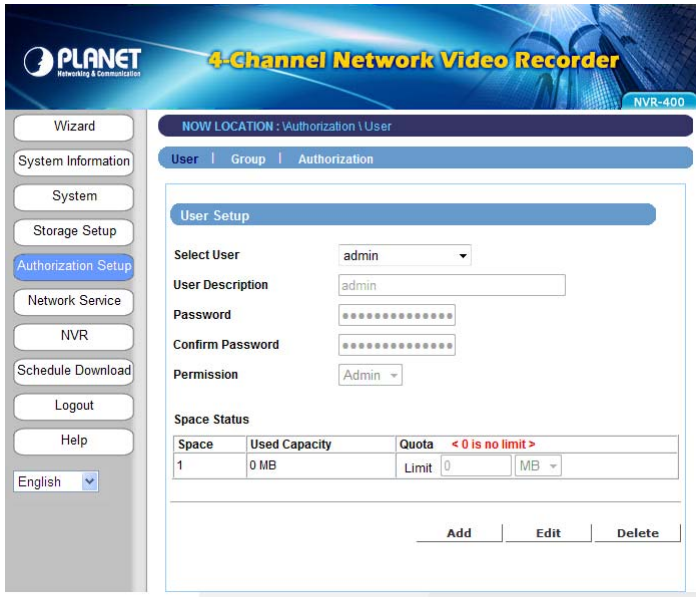
The Authorization Setup menu allows you to manage the users and groups of the device.

■ **User**
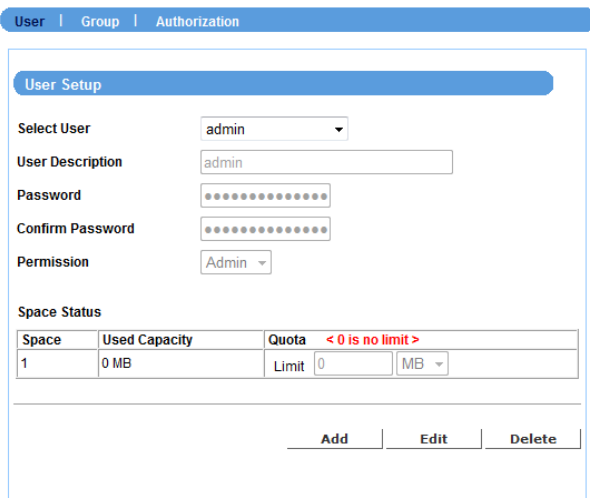
Click **Add** and then assign the user name in the **Select User** box, and give a brief instruction in the **User Description** box.

If you have set up groups for organization, you can assign the user to a group from the **Group** list.

Enter the password twice for the new user in the **Password** and **Confirm Password** boxes, and then select the **Permission** type (Admin or User).

Specify the storage quotas for the user from the **Quota** option of **Space Status**.

When completed, click **Apply** to add the user. You can change the user's setting by selecting the user and then clicking **Edit**, or remove the user by selecting the user and then clicking **Delete**.

NOTE

Please remember to reboot your device when you clicked **Apply** button.

■ **Group**

Click **Add** and then assign the group name in the **Group Name** box, and then you can add/remove users for the group from the **Member** option.

When completed, click **Apply** to add the group. To organize the users for the group, click **Edit Member**. To remove the group, select it from the list and then click **Delete**.

■ **Authorization**

This sub-menu displays the assigned access rules and quotas of the users and groups.

4.2.5 Network Service
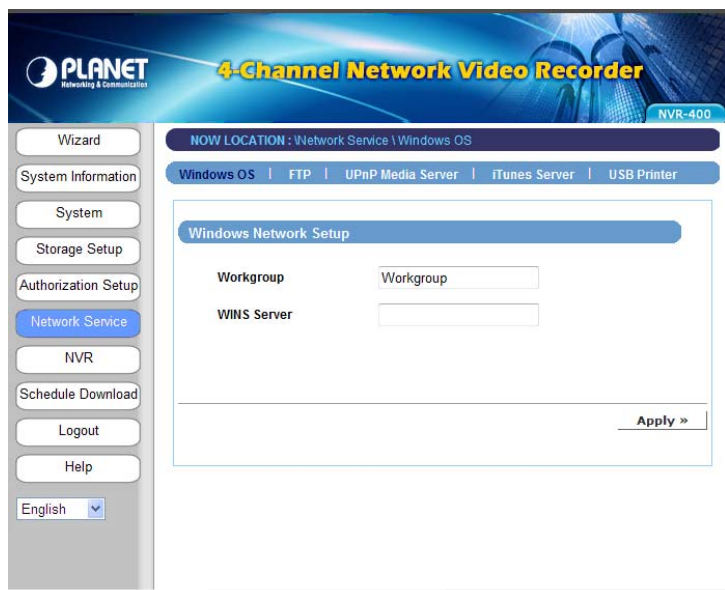
The Network Service menu allows you to set up the network services for the device, such as FTP server, UPnP media server, etc.

■ **Windows OS**
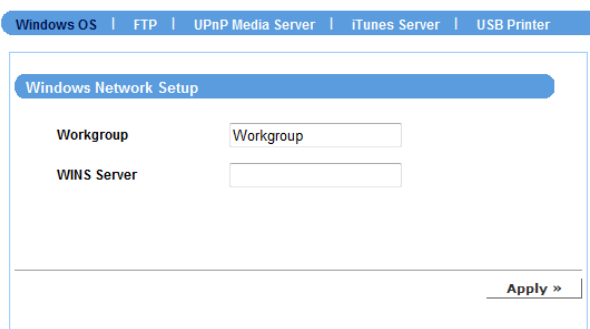
● **Windows Network Setup**
  - **Workgroup:** Enter the workgroup name where the device is installed within your network.
  - **WINS Server:** WINS (Windows Internet Name Service) server is used to support NetBIOS over TCP/IP (NetBT). Enter the IP address of the WINS server in the box, otherwise you cannot connect to a remote network resource by using its NetBIOS name.

■ FTP

This sub-menu contains the options that allow you to enable/disable the FTP service of the device.

● **Start FTP Service**

Select this option to enable the FTP server of the device. Once you start the FTP service, you should assign the **FTP Port** (the default is port *21*) .

User transmission limitation

Specify the maximum upload and download speed (KB/s) by entering the proper values in the related boxes.

■ UPnP Media Server

The device supports UPnP (Universal Plug and Play) and port auto mapping function so that you can access the device if it is behind an NAT router or firewall. Select this option to enable the UPnP media server and then assign the **Path** from the list.

■ **iTunes Server**

The device features an iTunes Server. It provides the ability to share files to the computer on the local network running iTunes. If the function is enabled, the device will be automatically detected in the iTunes program and the files contained in the specified directory will be available to stream over the network.

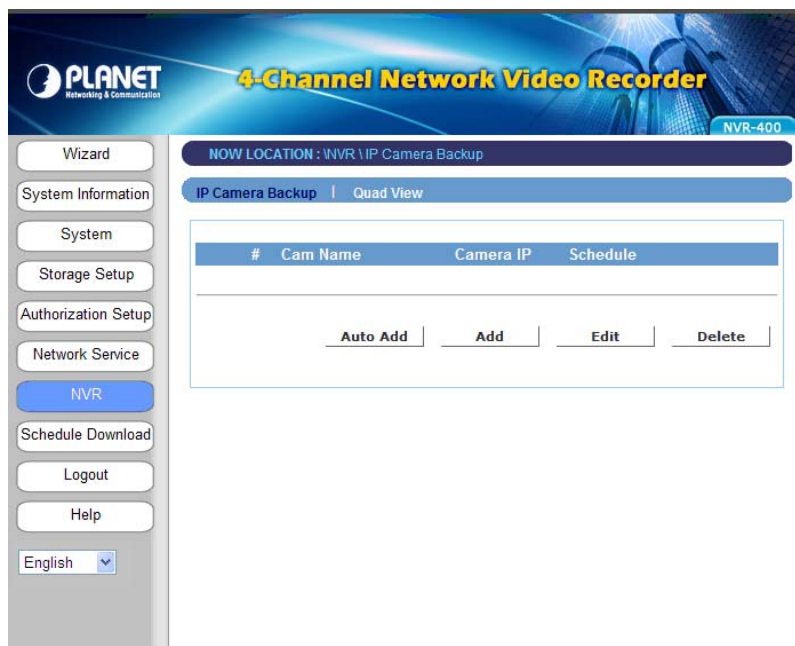Select this option to enable the iTune server and then assign the **Path** from the list. You can also set up the **Use Password** to avoid unauthorized access.

■ **USB Printer** (only when an USB printer is connected)

When you connect an USB printer to the USB Port 2 of the device, this sub-menu displays the information of the USB printer.

4.2.6 NVR

The NVR menu allows you to add Internet cameras and view the live video.

■ **IP Camera Backup**
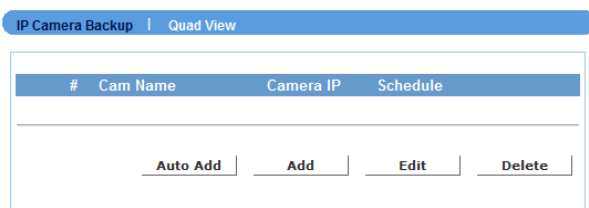
Click **Auto Add** to add the camera automatically, or click **Add** and to add the camera manually through the following setup window:

- **IP**
  Enter the IP address of the camera.

- **HTTP Port**
  Assign the HTTP Port for the camera (the default is *80*).

- **RTSP Port**
  Configure the transmission of streaming data within the network. The default RTSP (Real Time Streaming Protocol) port is *554*.

- **User ID/Password**
  Enter the user name and password for accessing the camera.

- **Cam Vendor**
  Select the manufacturer of the camera from the list.

- **Split file**
  When the recorded file is too large, use this option to split it by selecting file size.

- **Space**
  Specify the storage space for the camera.

- **Motion Enable**
  Enable of disable the motion detection of the camera (if have).

- **Recycle**
  Enable of disable the recycling function when the storage space on the device is full.

- **Limit**
  Select **Yes** to limit the recording file by specifying the storage volume from the list. Otherwise, select **No** to record without limitation.

When completed, click **Next** to set up the schedule for using the camera, and then click **Apply** to add it to the list.

| IP Camera Backup | Quad View |

#	Cam Name	Camera IP	Schedule	
1	cam-192.168.200.114_80	192.168.200.114	weekly	Start Job

Auto Add   Add   Edit   Delete
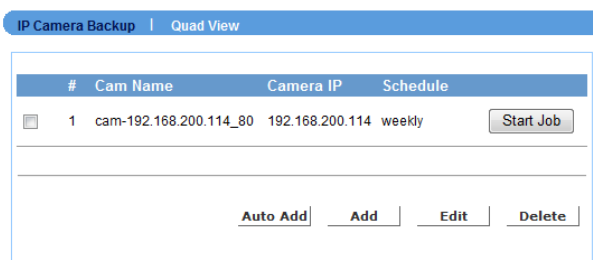
You can then change the configuration of the camera by selecting it from the list and then clicking **Edit**. To remove a camera, select it and then click **Delete**.

■ Quad View
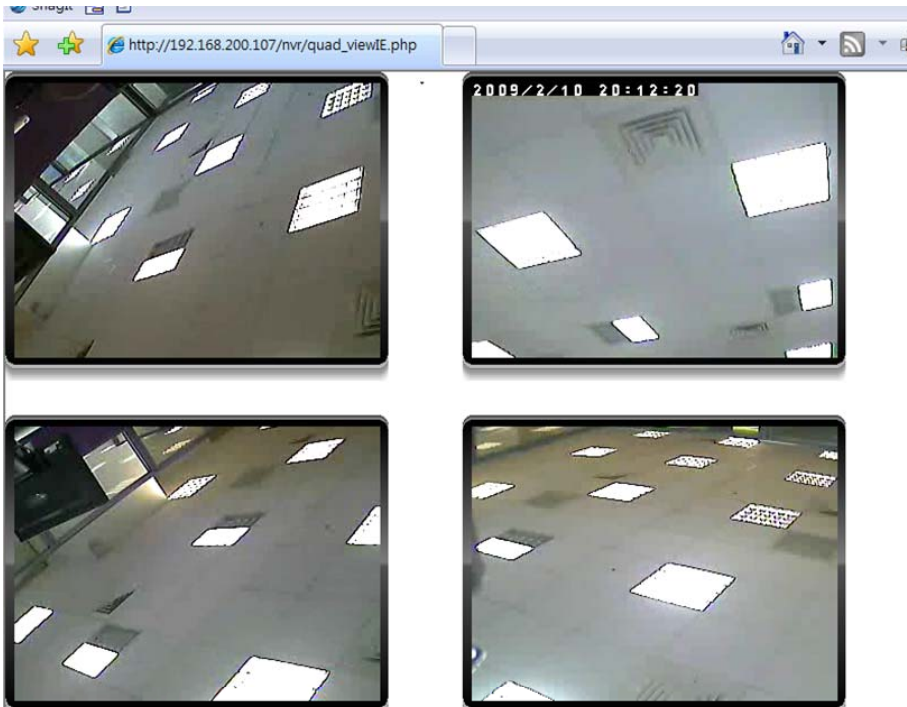
In the Quad View screen, you can view the live video from the connected camera. You can view up to four cameras simultaneously.

4.2.7 Schedule Download

The Schedule Download menu allows you to set up download schedule.

Click **Add** and the following setup window will appear:

- **Login**
  Select **Anonymous** or **Account** from the list according to the settings of the target server. If you have to select **Account** to login, you should enter the correct **User name** and **Password**.

- **URL**
  Enter the URL address of target server.

- **Save To**
  Assign the destination folder from the list to save the downloaded files.

- **When**
  From the **Date** and **Time** setting options, set up the start-up time to download files.

- **Backup**
  Enable the backup function of your device by selecting **None**, **Every Day**, **Every Week**, or **Every Month**, as well as the **Time**.

When completed, click **Apply** to save this download task to the Schedule List.
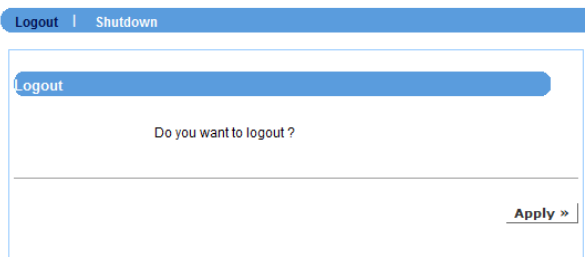
You can delete the download task by selecting it from the Schedule List and then clicking **Delete**. When you change the settings of selected task, click **Refresh** to reload the status of these tasks.
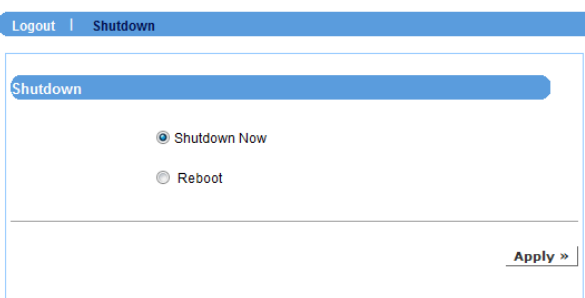
4.2.8 Logout
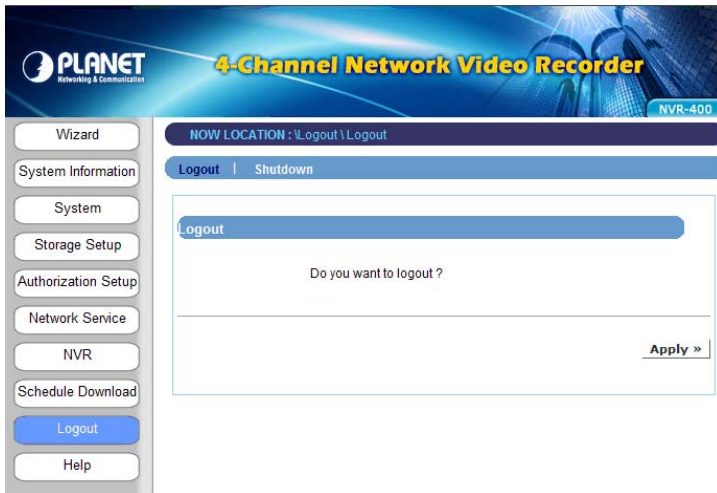
The Logout menu allows you to exit or shutdown the system.

■ **Logout**

From this sub-menu, click **Apply** to exit the Web Configuration Utility and go back to the Login window.

■ **Shutdown**

From this sub-menu, you can do one of the following:

● Select **Shutdown Now** and click **Apply** to turn off the device.
● Select **Reboot** and click **Apply** to reboot the device.

4.2.9 Help

The Help menu displays the information for each setting option of the device. Click the topic (marked as *blue* color) to link to the corresponding page and view the related information in detail.

APPENDIX

Specifications

General	
OS	Embedded Linux
Ethernet	1 x RJ-45, 10/100/1000 Base-TX
USB Interface	2 x USB2.0 for backup device and printer
Storage Device	2 x 3.5" SATA hard disk
Button	Shut down button, Unmount button, Reset button
LED Display	1 x LAN, 2 x HDD, 2 x USB
HDD Configuration	Standard, RAID 0, 1 and JBOD
Video Input	4 channels IP camera
Recording Mode	Manual, Schedule
Network Service	TCP/IP, DHCP, DNS, HTTP, FTP, NTP, SMTP, UPnP
Network File Protocol	Microsoft Networks (CIFS/SMB), Internet (HTTP), FTP
Management	Web-based administration Network Time Protocol Multiple users account E-mail notification System log Firmware upgrade
File System Type	Internal HDD support: XFS External USB drive support: FAT32 / EXT3
User Interface	IE browser IPFinder utility
Multiple Language	Yes

How to fast access the recording files

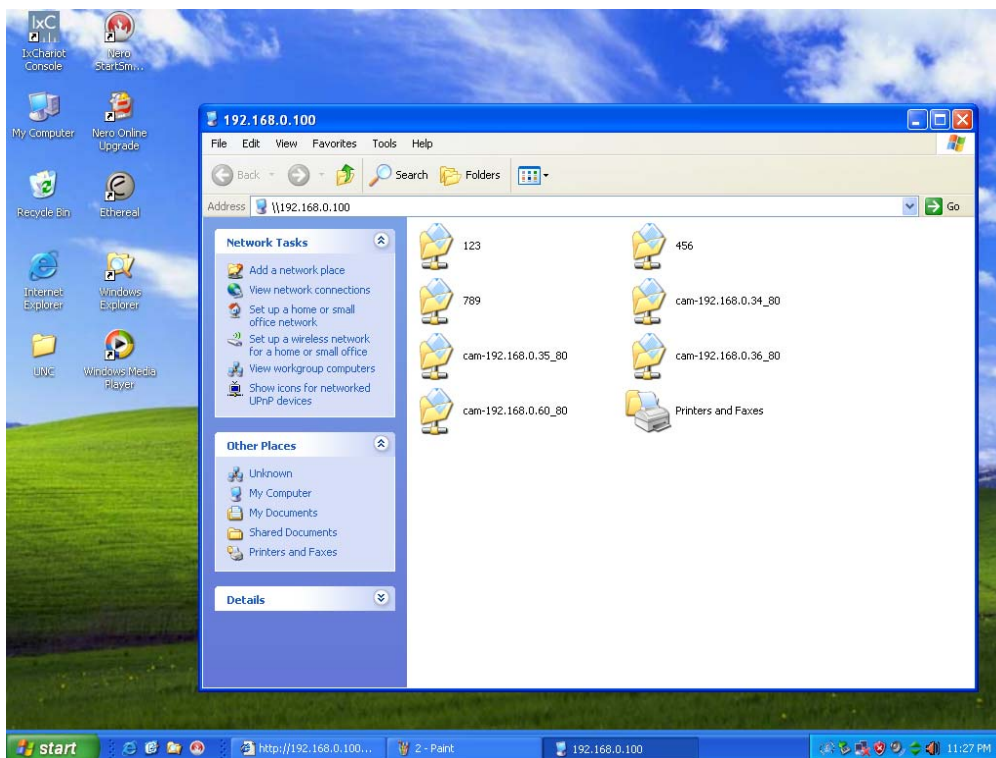**1. Click Start menu > Run. Then fill the UNC of NVR. (For example: \\192.168.0.100). Enter to next.**
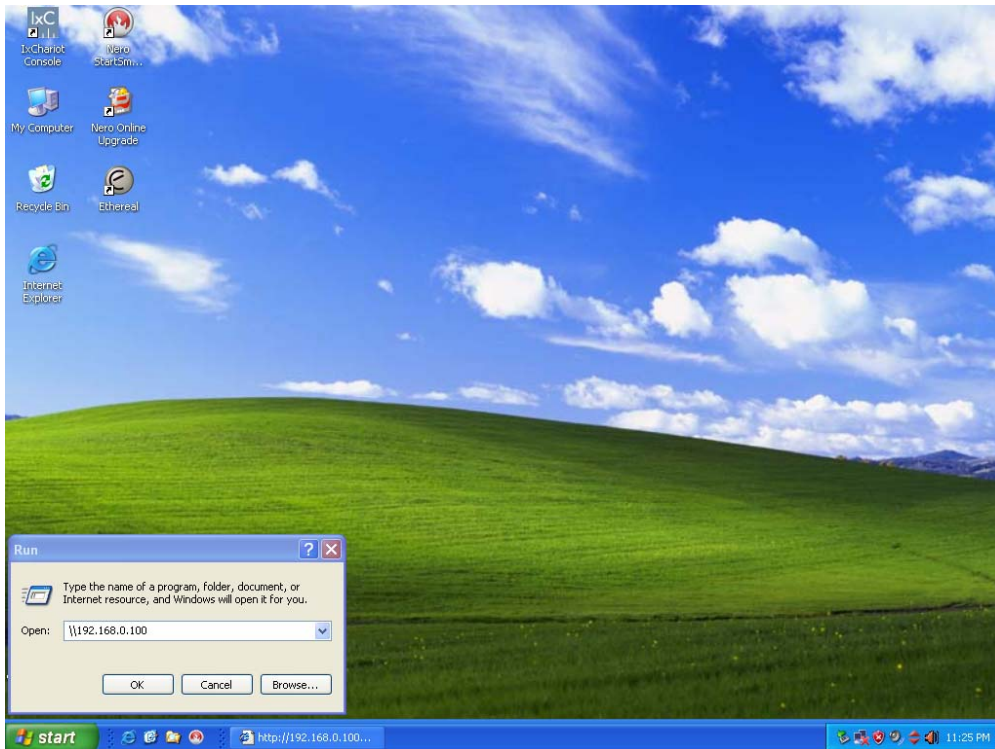
2. Fill the username and password. (For example: admin/admin). Enter to login.
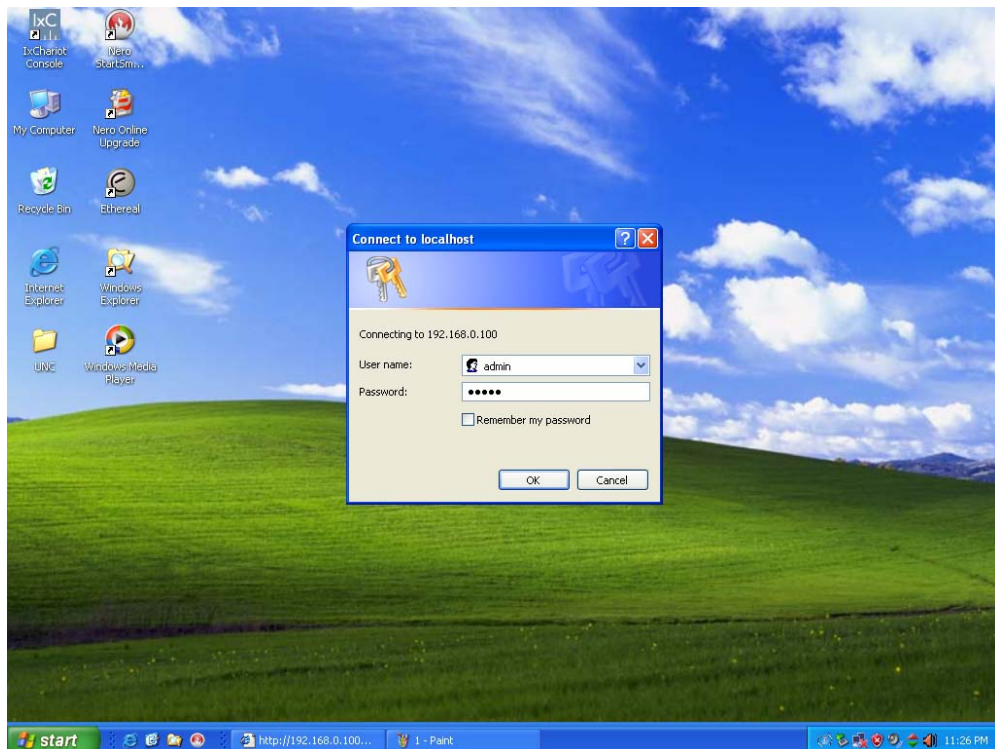
3. After login, the share folder will be showed in the window.
   The default folder name of camera is "cam-ipaddress_port".


4. Click one of the folders to access the recording files.
   The file name of recording files will be YYYY-MM-DD-hh-mm-ss.avi
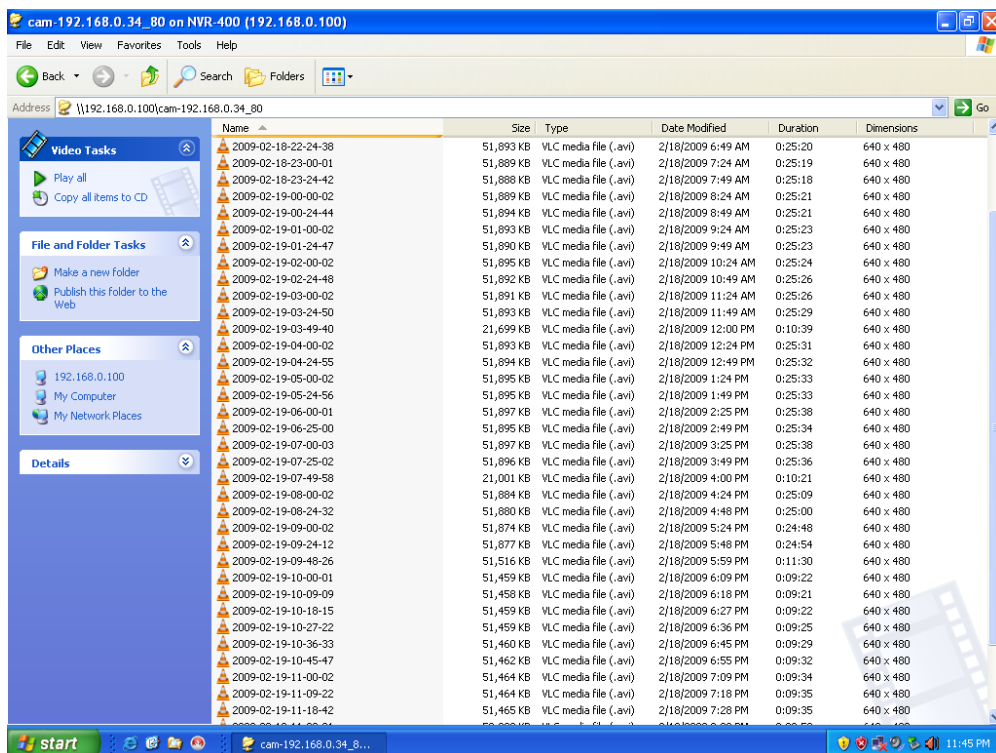
TIP
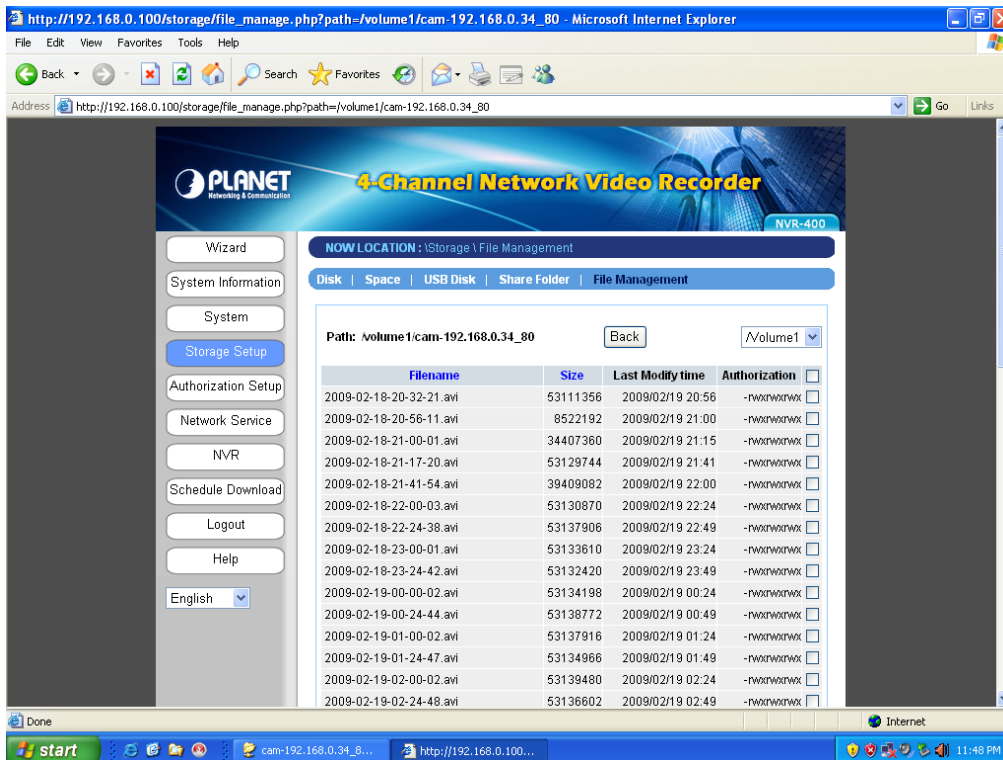
We suggest using VLC player for playing the recording files if you don't have further players which support codec of avi format.

5. You can find the records of recording files via Web browser.
    Go to Storage Setup > File Management. It shows the entire share folders.
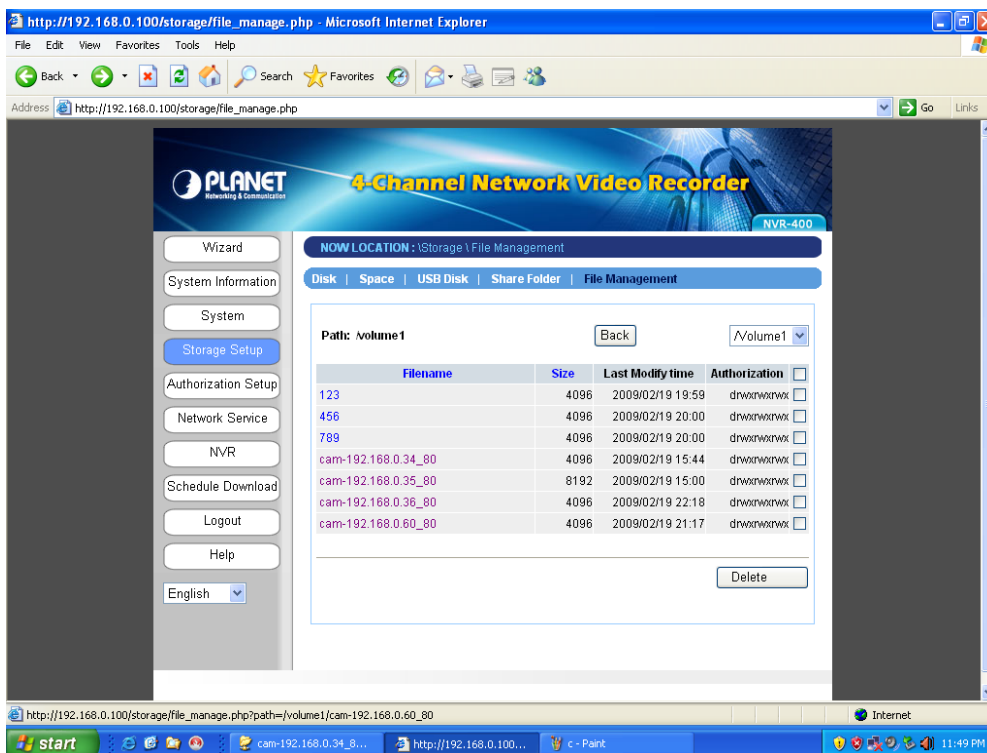
6. Click the link of camera for listing the records.
    You can delete the recording files here only.

EC Declaration of Conformity

For the following equipment:

*Type of Product   : 4-Ch Network Video Recorder
*Model Number   : NVR-400

* Produced by:
Manufacturer's Name   : **Planet Technology Corp.**
Manufacturer's Address : 11F, No. 96, Min Chuan Road, Hsin Tien,
　　　　　　　　　　　Taipei, Taiwan, R.O.C.

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (89/336/EEC, 92/31/EEC, 93/68/EEC).
For the evaluation regarding the Electromagnetic Compatibility, the following standards were applied:

EN 55022	(2006)
EN 61000-3-2	(2006)
EN 61000-3-3	(1995+A1: 2001 + A2: 2005)
EN 55024	(1998+A1: 2001+A2: 2003)
IEC 61000-4-2	(1995 + A1: 1998 + A2: 2000)
IEC 61000-4-3	(2006)
IEC 61000-4-4	(2004)
IEC 61000-4-5	(2005)
IEC 61000-4-6	(2007)
IEC 61000-4-8	(1993 + A1: 2000)
IEC 61000-4-11	(2004)

Responsible for marking this declaration if the:

☒ **Manufacturer**   ☐ **Authorized representative established within the EU**

Authorized representative established within the EU (if applicable):

Company Name: **Planet Technology Corp.**

Company Address: **11F, No.96, Min Chuan Road, Hsin Tien, Taipei, Taiwan, R.O.C**

Person responsible for making this declaration

Name, Surname   <u>**John Sung**</u>

 Position / Title :   <u>**Product Manager**</u>

<u> **Taiwan** </u>   <u>**27 Feb., 2009**</u>
Place   *Date*   *Legal Signature*

PLANET TECHNOLOGY CORPORATION