Software
IP Utility
V3.2

User's Manual

Table of Contents

1 Getting Started

Start IP Utility

To start IP Utility, double-click the "IP Utility" icon on the desktop.
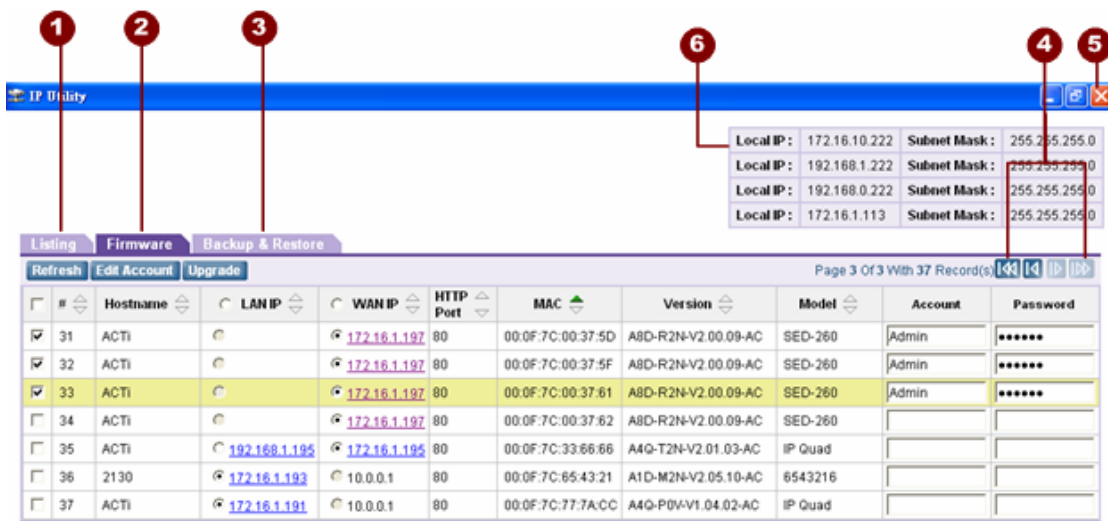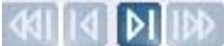
After double-click "IP Utility", you will see the page.

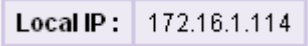|	#	Hostname	○ LAN IP	○ WAN IP	HTTP Port	MAC	Version	Model	Account	Password
☑	31	ACTi	○	⦿ 172.16.1.197	80	00:0F:7C:00:37:5D	A8D-R2N-V2.00.09-AC	SED-260	Admin	••••••
☑	32	ACTi	○	⦿ 172.16.1.197	80	00:0F:7C:00:37:5F	A8D-R2N-V2.00.09-AC	SED-260	Admin	••••••
☑	33	ACTi	○	⦿ 172.16.1.197	80	00:0F:7C:00:37:61	A8D-R2N-V2.00.09-AC	SED-260	Admin	••••••
☐	34	ACTi	○	⦿ 172.16.1.197	80	00:0F:7C:00:37:62	A8D-R2N-V2.00.09-AC	SED-260		
☐	35	ACTi	○ 192.168.1.195	⦿ 172.16.1.195	80	00:0F:7C:33:66:66	A4Q-T2N-V2.01.03-AC	IP Quad		
☐	36	2130	⦿ 172.16.1.193	○ 10.0.0.1	80	00:0F:7C:65:43:21	A1D-M2N-V2.05.10-AC	6543216		
☐	37	ACTi	⦿ 172.16.1.191	○ 10.0.0.1	80	00:0F:7C:77:7A:CC	A4Q-P0V-V1.04.02-AC	IP Quad		

Figure 1. IP Utility

1. **Listing** : **Listing available servers, user can edit "Hostname" "LAN IP" "WAN IP" of connections in this page.**

2. **Firmware** : **User can upgrade firmware and MD5 to update server in this page.**

3. **Backup & Restore** : **User can backup and restore setting of server in this page.**

4. ⏮ ◀ ▶ ⏭ : **"First Page" "Previous Page" "Next Page" "Last Page", click these buttons to skim over listing.**

5. ❌ : **Click this button to close IP Utility.**

6. **Local IP :** 172.16.1.114 : **Listing local IP addresses.**

2 IP Utility Listing User Interface

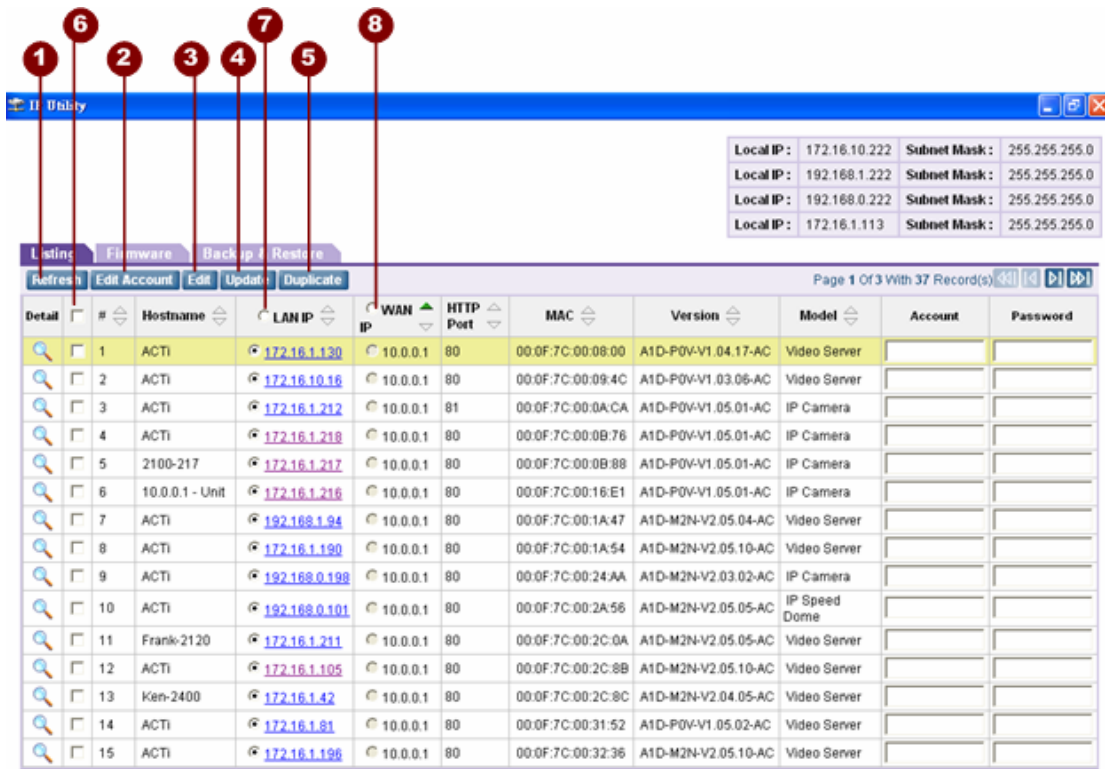IP Utility is designed with a user-friendly interface, and deployed with minimal training.

Understating the User Interface

<p align="center">Figure 2. IP Utility Listing User Interface</p>

1. **Refresh**: Refresh this page and search available servers again.
2. **Edit Account**: Display a page to set account and password, and fill setting of selected connections with those data be used to login servers.
3. **Edit**: Click this button to let "Hostname" "LAN IP" "WAN IP" of selected connections to be changeable.
4. **Update**: Update all setting of selected connections, and servers will reboot after several minutes.
5. **Duplicate**: Duplicate data to selected connections.
6. **Select all**: Select all or cancel all selected connections.
7. **Select all LAN IP**: All connections are connected by LAN IP .

1

8. **Select all WAN IP**:　All connections are connected by WAN IP .

Server Information

Figure 3. Server Information

1. **Hostname**:　The name of server.
2. **LAN IP**:　The IP of server in local area network.
3. **WAN IP**:　The IP of server in wide area network.

⚠ **NOTE:** Before connecting a server, make sure you have chosen the correct type of IP for your device.

4. **HTTP Port**:　The HTTP ports that HTP connection use.
5. **MAC**:　The MAC address of server.
6. **Version**:　The version of firmware that server use.
7. **Model**:　The type of server.
8. **Account**:　The account to be authorized by the server.
9. **Password**:　The password to be authorized by the server.
10. **Detail**:　Click the picture button to display a page with detail information of

the server.

Edit Account

Figure 4. Edit Account

1. **Select the connections that you will edit their accounts**.
2. **Click "Edit Account" button to display the page of account and password setting**.

Page of Account and Password Setting

Figure 5. Input Account and password

1. **Account**:　The account to be authorized by the server.
2. **Password**:　The password to be authorized by the server.
3. **Apply**:　Click "Apply" button to fill setting of previous selected connections with account and password of this page.
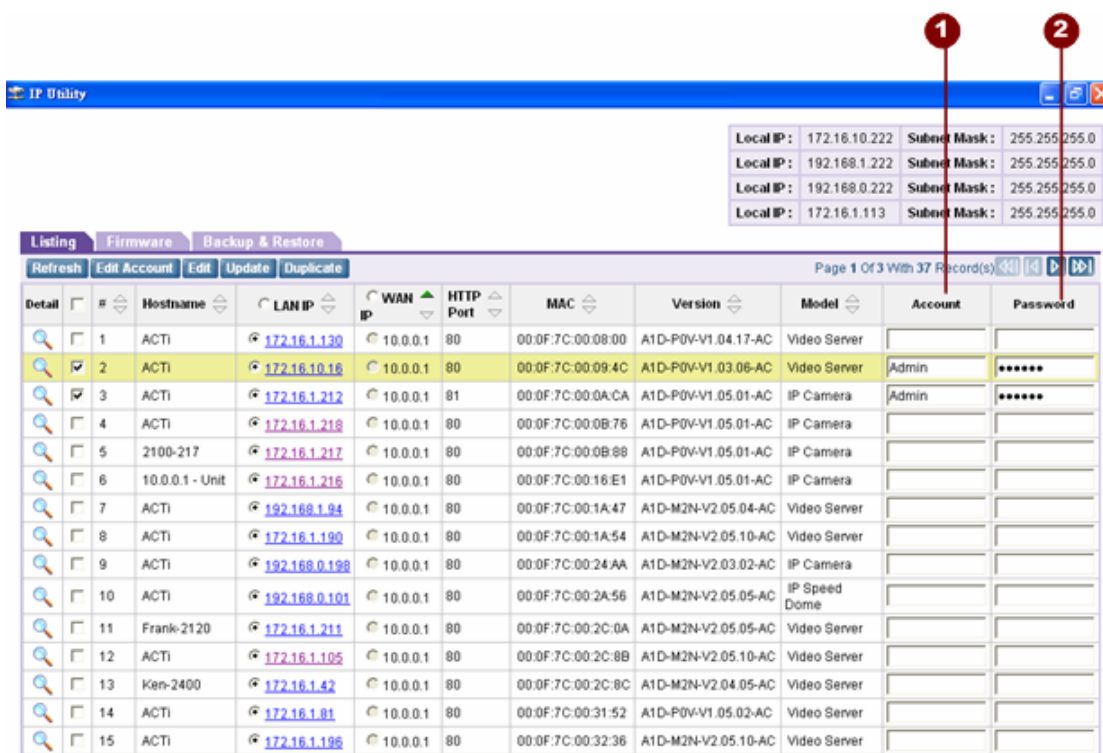
Account and Password setting

Figure 6. Account and password setting

1. **All accounts of selected connections have been set by account data of previous page**.
2. **All passwords of selected connections have been set by password data of previous page**.

Update the Setting of Server

Figure 7. Update the Setting of Server

1. **Click the "Edit" button, the "Hostname" "LAN IP" "WAN IP"
   settings of selected servers will be changeable**.
2. **Edit the textbox of hostname of server**.
3. **Edit the textbox of LAN IP of server**.
4. **Edit the textbox of WAN IP of server**.
5. **Click the "Update" button, your setting data for selected servers
   will be sent off, and after several minutes those servers will
   reboot**.

⚠️ **NOTE:** Before sending setting data to the server, make sure you use
authorized accounts and choose the correct type of IP for your device.

Server Detail Information

Figure 8. Server detail information

1. **Click this picture button to display the page of server detail information.**

The Page of Server Detail Information

Figure 9. The Page of Server detail Information

Duplicate Setting
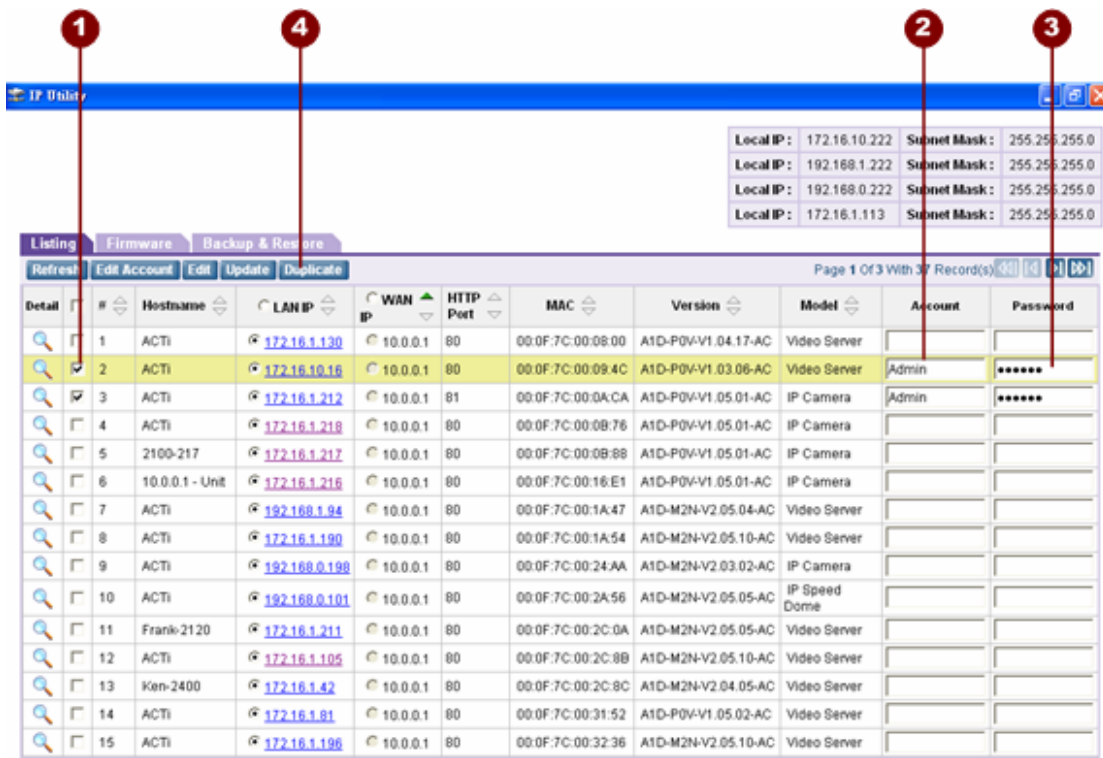
Figure 10. Duplicate Setting

1. **Click the "Check" box on the items you want to operate upon**
2. **Input Account**
3. **Input Password**
4. **Click on "Duplicate" button**

Duplicate Setting Details

Figure 11. Duplicate Setting

1. **Analog Video: NTSC, PAL video standard**

2. **Resolution: D1, CIF, QCIF**

3. **Bitrate: 3Mbps, 2.5Mbps, 2Mbps, 1.5Mbps, 1.2Mbps, 1Mbps, 750Kbps, 500Kbps, 384Kbps, 256Kbps, 128Kbps, 64Kbps, 28Kbps**

4. **Frame Rate Mode; Variable, Constant Frame Rate**

5. **Frame Rate: Frame rate selection**

6. **Serial Port Baud Rate: 19200, 9600, 4800, 2400, 1200**

7. **Serial Port Control: N81, E81, N80**

8. **Don't sync time to server**

9. **Use SNTP/NTP Server to sync time**

10. **NTP Server IP address**

11. **Sync time interval**

12. **Time zone selection**

13. **Set date time manually**

14. **Set date**

15. **Set time**

16. **Time zone selection**

17. **Click "Apply" to apply setting to the IP devices selected**

3 Firmware Upgrade User Interface

Understanding the User Interface
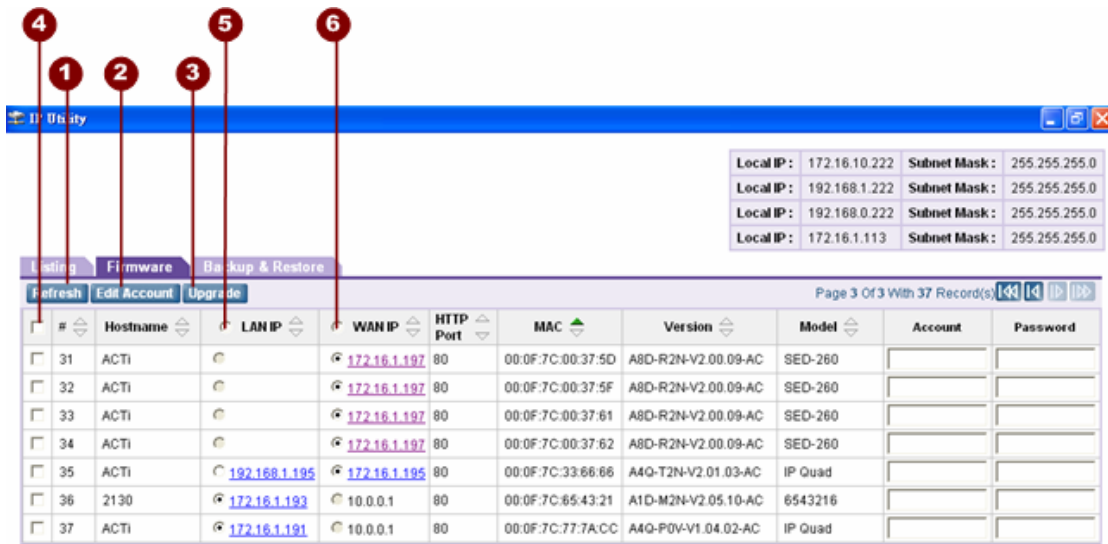
Figure 12. Streaming Explorer User Interface

1. **Refresh**:   Refresh this page and search available servers again.
2. **Edit Account**:   Display a page to set account and password, and fill setting of selected connections with those data be used to login servers.
3. **Upgrade**:   Display the page of firmware upgrade setting.
4. **Select All**:   Select all or Cancel all selected connections of listing.
5. **Select all LAN IP**:   All connections are connected by LAN IP .
6. **Select all WAN IP**:   All connections are connected by WAN IP.

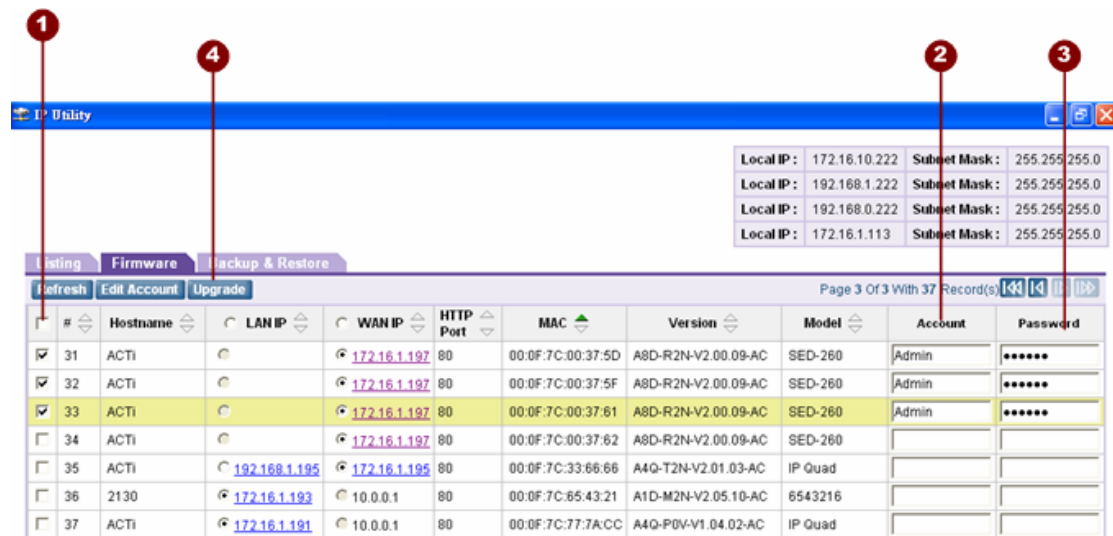# Firmware Update

Figure 13. Firmware Upgrade

1. **Selecting the server that your will update its firmware**.
2. **Enter the authorized account by this server**.
3. **Enter the authorized password by this server**.
4. **Click "Upgrade" button to display the page of firmware upgrade setting of this server**.
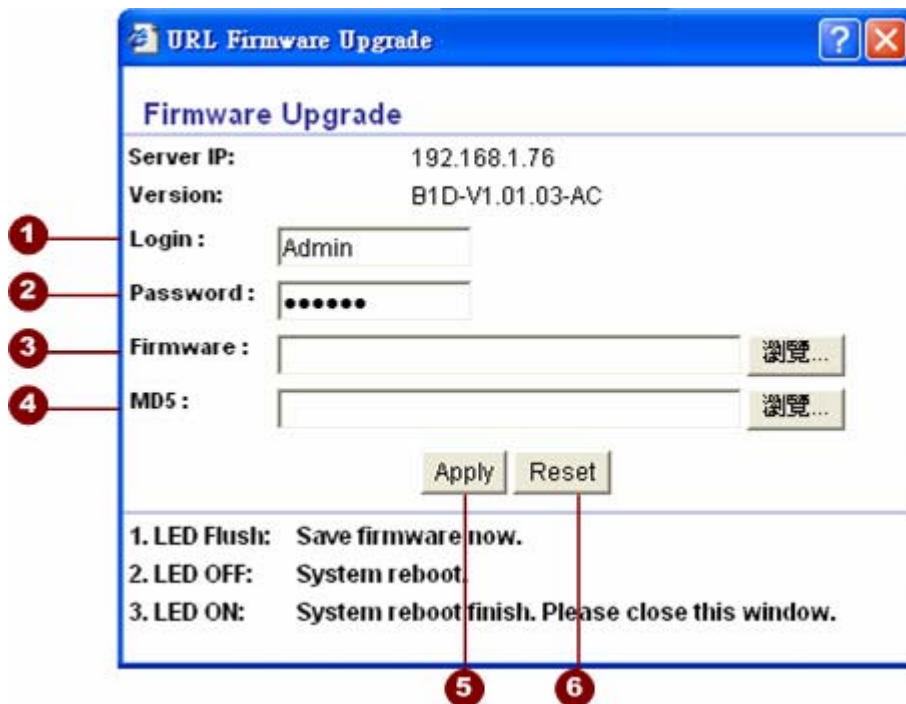
The Page of Firmware Upgrade Setting

Figure 14. The Page of Firmware Upgrade Setting

1. **Login**: The ID of account to be authorized by this server.
2. **Password**: The password of account to be authorized by this server.
3. **Firmware**: Click "Search" button to select the firmware you will upgrade.
4. **MD5**: Click "Search" button to select the MD5 you will upgrade.
5. **Apply**: Click "Apply" button to upgrade firmware and MD5 of this server, after several minutes the server will reboot.
6. **Reset**: Click "Reset" button to clear your setting for this server.

⚠️ **NOTE:** Before upgrading the firmware and MD5 of the server, make sure you choose the correct version of this server .

Firmware Upgrade Version Error

Figure 15. Firmware Upgrade Version Error

4 IP Utility Backup and Restore
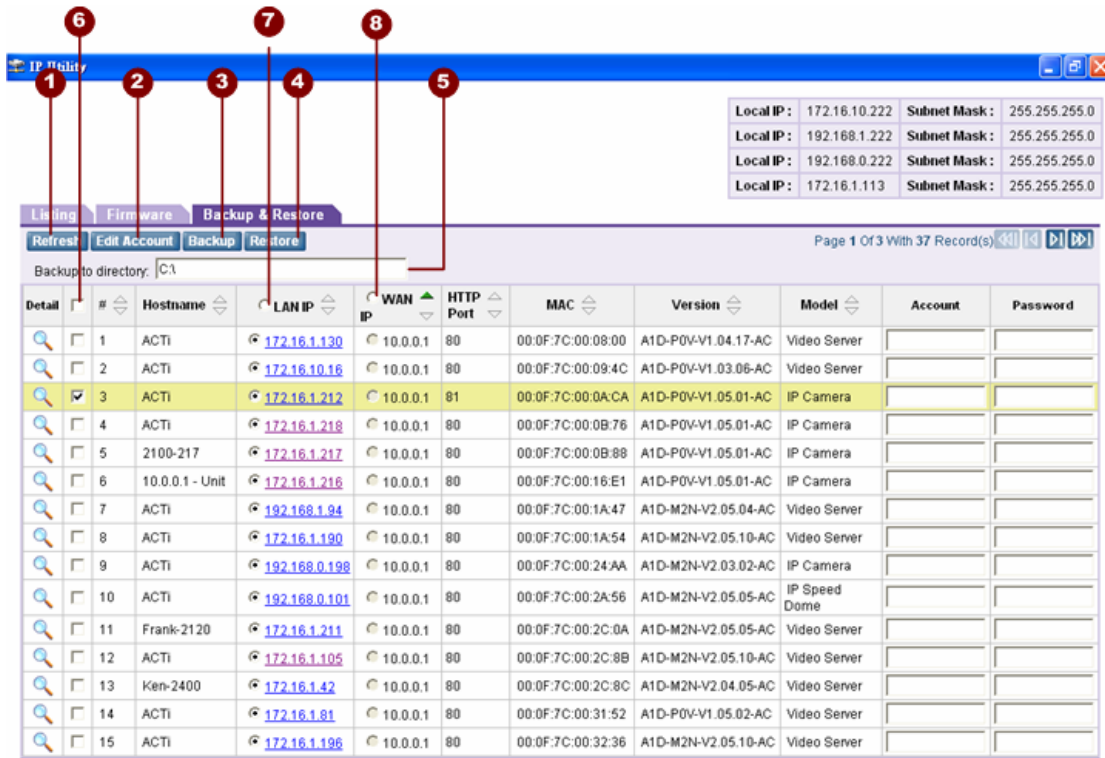
Understating the User Interface

Figure 16. Backup and Restore User Interface

1. **Refresh**: Refresh this page and search available servers again.
2. **Edit Account**: Display a page to set account and password, and fill setting of selected connections with those data be used to login servers.
3. **Backup**: Click this button to backup all of setting of selected connections.
4. **Restore**: Click this button to restore the setting of you selected connection.
5. **Backup to the Directory**: Setting the backup file path of Information of servers.
6. **Select All**: Select all or Cancel all selected connections of listing.
7. **Select all LAN IP**: All connections are connected by LAN IP .
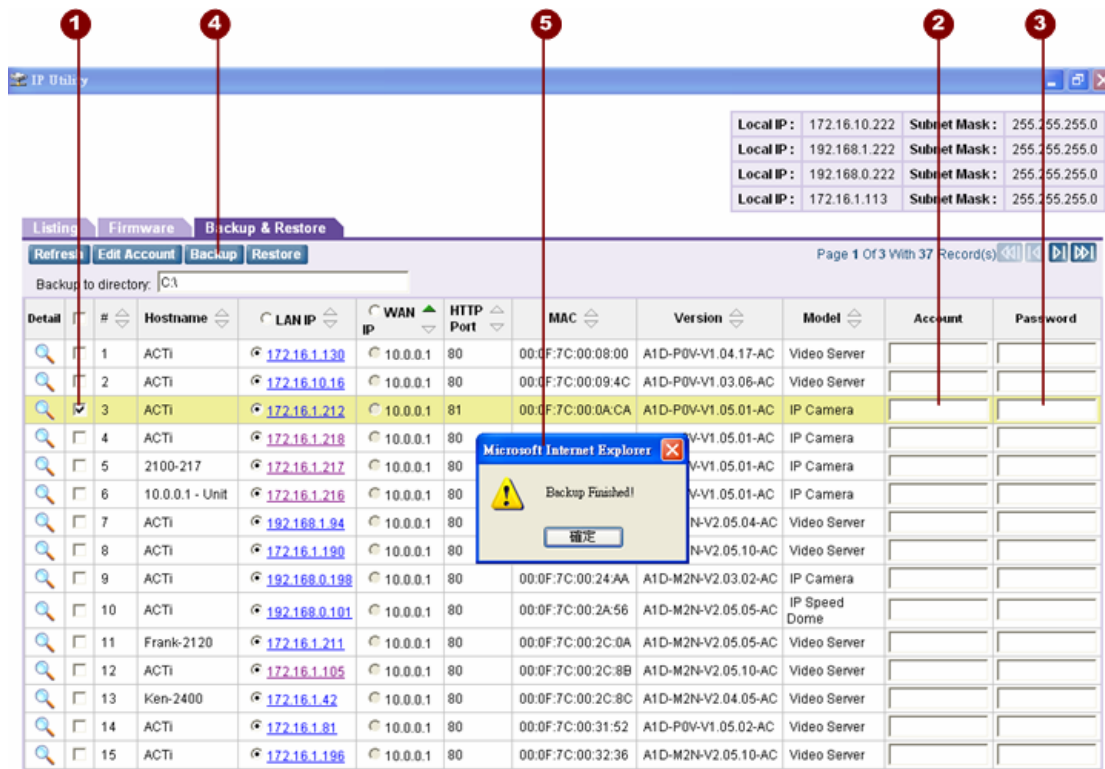8. **Select all WAN IP**: All connections are connected by WAN IP .

Backup

Figure 17. Backup

1. **Selecting all the server that your will backup their setting**.
2. **Enter the authorized account by this server**.
3. **Enter the authorized password by this server**.
4. **Click "Backup" button to backup the setting of selected servers**.
5. **If backup succeed, show the "Backup Finished" message**.

Restore

Figure 18.. Restore

1. **Selecting the server that your will restore its setting**.
2. **Enter the authorized account by this server**.
3. **Enter the authorized password by this server**.
4. **Click "Restore" button to display the Page of Restore Setting**.
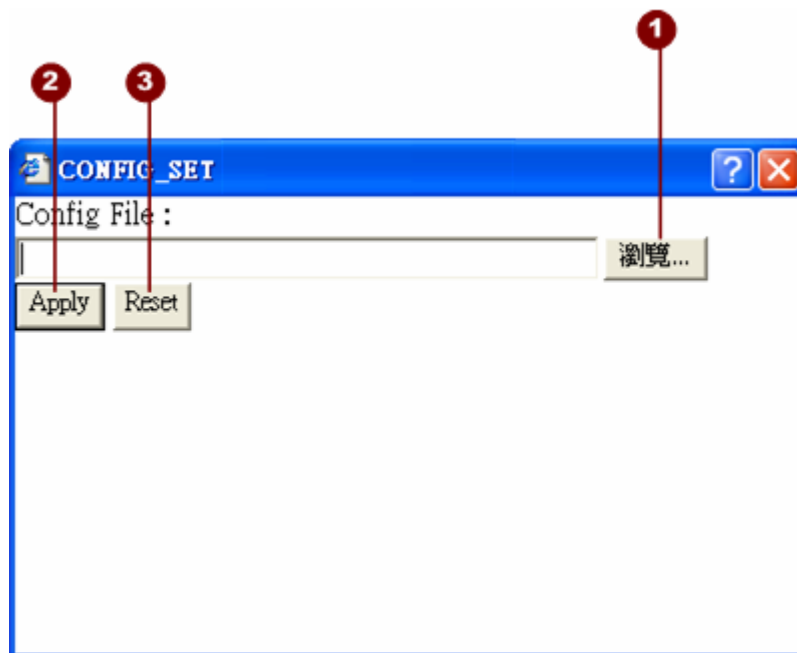
The Page of Restore Setting

Figure 19. The Page of Restore Setting

1. **Comfit File**: Click "Search" button to select the backup file you will restore.
2. **Apply**: Click "Apply" button to restore setting of this server by backup file, after several minutes the server will reboot.
3. **Reset**: Click "Reset" button to clear your setting for this server.