

## 5.2 IP Device Utility

IP Device Utility is used to configure and update GeoVision IP devices that include GV-IP Camera, GV-Video Server, GV-Compact DVR, and GV-LPR DSP. The utility can help you perform the following configurations on GV-IP devices:

1. Assign device name.
2. Change IP address and port information.
3. Update firmware.
4. Reset.

### 5.2.1 Install IP Device Utility

For GV-DVR Systems, IP Device Utility is preinstalled. To locate the application, follow the steps below:

1. On Windows desktop, click on “**Start**”.
2. Click on “**All Programs**”.
3. Locate and run **GV-IP Device Utility** under GV folder.

#### *Install from Disk*

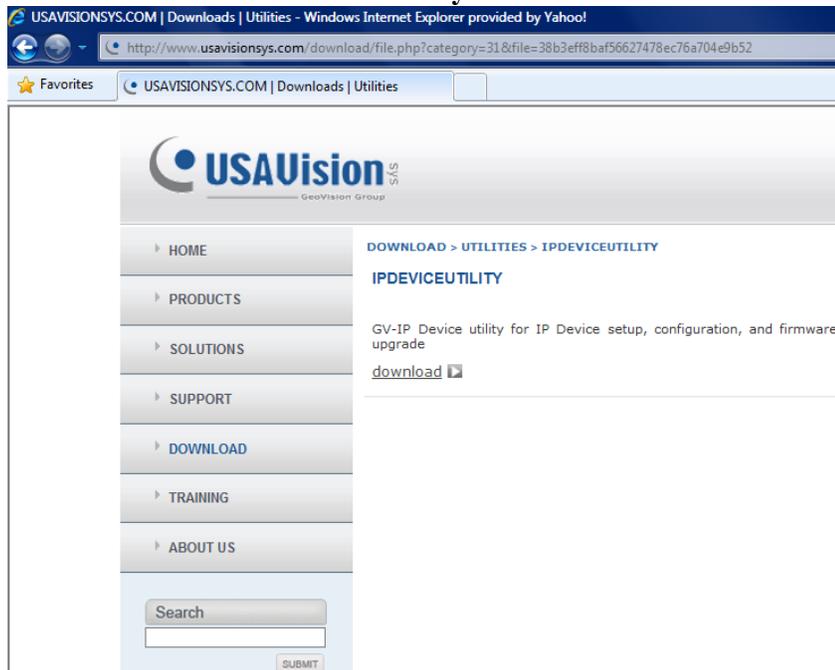
In case GV-IP Device Utility is missing, follow the steps below:

1. Insert GeoVision IP Device Disk in DVD Rom. (IP Device DVD can be found with each GV-IP Device package)
2. In the main menu, select “**Install GV-IP Device Utility**”.

#### *Download from Website*

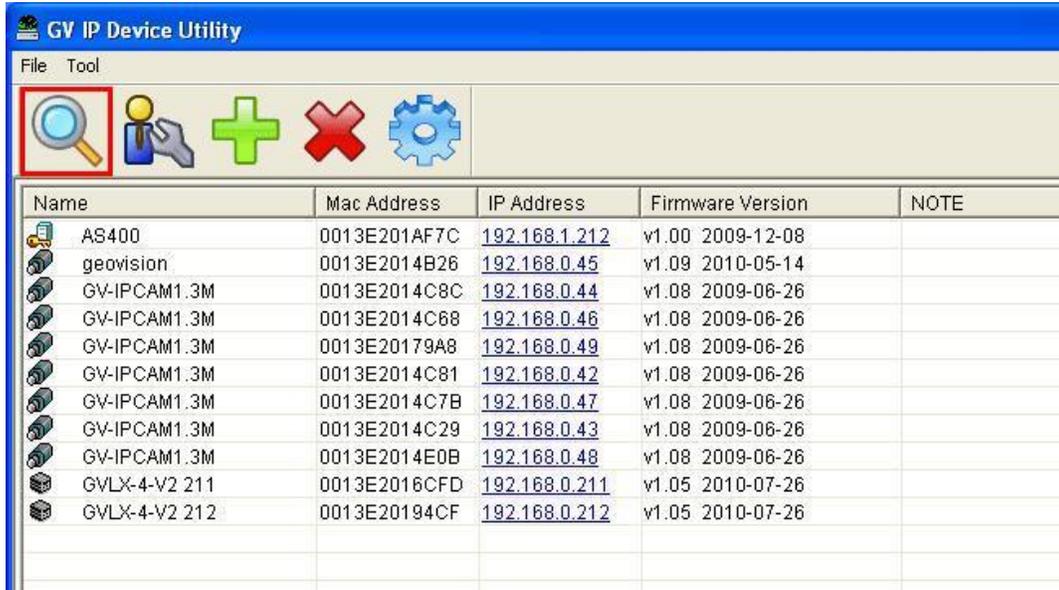
Alternatively, IP Device Utility can also be downloaded from USAVision website:

1. In Internet Explorer, go to <http://www.usavisionsys.com/download>.
2. Click on “**Utilities**”.
3. Download and install **IP Device Utility**.



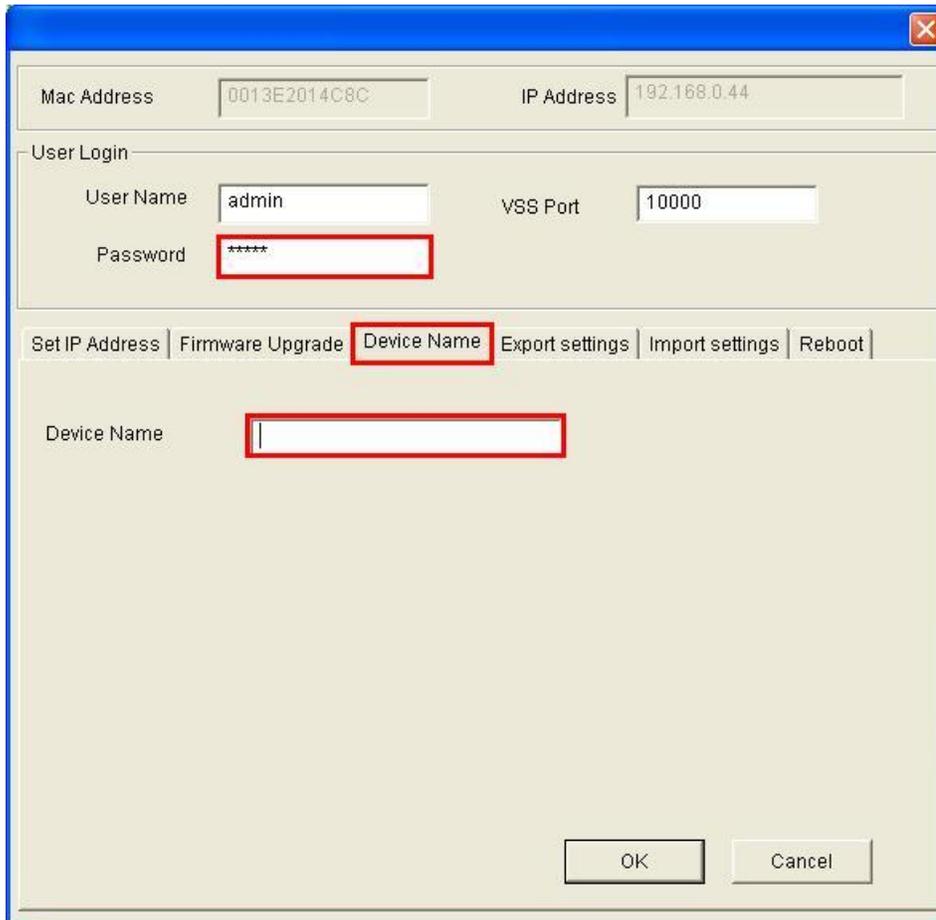
## 5.2.2 Assign Device Name

1. Run **GV-IP Device Utility**.
2. Click on “**Search**” to search for all GV-IP Devices under the same network.



Name	Mac Address	IP Address	Firmware Version	NOTE
AS400	0013E201AF7C	<a href="#">192.168.1.212</a>	v1.00 2009-12-08	
geovision	0013E2014B26	<a href="#">192.168.0.45</a>	v1.09 2010-05-14	
GV-IPCAM1.3M	0013E2014C8C	<a href="#">192.168.0.44</a>	v1.08 2009-06-26	
GV-IPCAM1.3M	0013E2014C68	<a href="#">192.168.0.46</a>	v1.08 2009-06-26	
GV-IPCAM1.3M	0013E20179A8	<a href="#">192.168.0.49</a>	v1.08 2009-06-26	
GV-IPCAM1.3M	0013E2014C81	<a href="#">192.168.0.42</a>	v1.08 2009-06-26	
GV-IPCAM1.3M	0013E2014C7B	<a href="#">192.168.0.47</a>	v1.08 2009-06-26	
GV-IPCAM1.3M	0013E2014C29	<a href="#">192.168.0.43</a>	v1.08 2009-06-26	
GV-IPCAM1.3M	0013E2014E0B	<a href="#">192.168.0.48</a>	v1.08 2009-06-26	
GVLX-4-V2 211	0013E2016CFD	<a href="#">192.168.0.211</a>	v1.05 2010-07-26	
GVLX-4-V2 212	0013E20194CF	<a href="#">192.168.0.212</a>	v1.05 2010-07-26	

3. Double click on desired IP device.



Mac Address: 0013E2014C8C      IP Address: 192.168.0.44

User Login

User Name: admin      VSS Port: 10000

Password: \*\*\*\*\*

Set IP Address | Firmware Upgrade | **Device Name** | Export settings | Import settings | Reboot

Device Name:

OK      Cancel

4. Enter **Password** for the IP Device. (By default, GV-IP Device password is admin)
5. Select **Device Name** tab, then enter **Device Name**.
6. Click “**OK**”.

### 5.2.3 Change IP Address and Port Information

7. Select **Set IP Address** tab, then input **IP Address**, **Subnet Mask**, **Default Gateway**, and **DNS Server** according to actual network settings. (Default network settings shown)

The screenshot shows a configuration window for an IP device. At the top, there are fields for Mac Address (0013E2014C8C) and IP Address (192.168.0.44). Below this is a 'User Login' section with fields for User Name (admin), Password (masked with \*\*\*\*\*, highlighted with a red box), and VSS Port (10000). A tabbed interface at the bottom has the 'Set IP Address' tab selected (highlighted with a red box). The settings for this tab are: IP Address (192 . 168 . 0 . 44), Subnet Mask (255 . 255 . 255 . 0), Default Gateway (192 . 168 . 0 . 1), DNS Server (192 . 168 . 0 . 1), HTTP Port (80), and VSS Port (10000). The IP Address, Subnet Mask, Default Gateway, and DNS Server fields are grouped together in a red box. At the bottom right are 'OK' and 'Cancel' buttons.

8. To use non-default ports, change the values in **HTTP Port** and **VSS Port**. (Default ports shown)
9. Click “**OK**”.

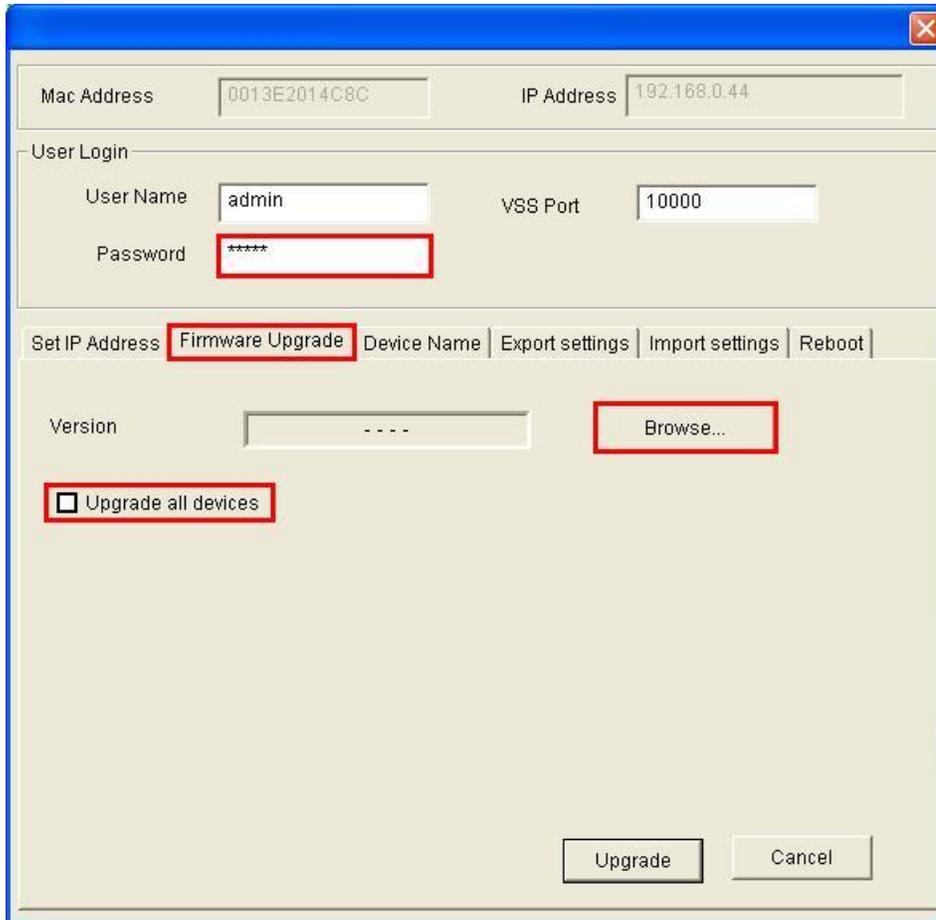
- ✓ *If no IP device can be found or some devices are missing from IP Device Utility search, verify the IP properties of the PC (as shown in section 4.2.1) and make sure that they match the properties of the IP Devices. (Default IP properties for GV-IP Devices are shown above)*

## 5.2.4 Update Firmware

10. Prior to firmware update, download newest firmware from [www.geovision.com.tw](http://www.geovision.com.tw).
11. Click “**Download**”, select “**Firmware Download**”.
12. Download applicable firmware onto PC or thumb drive on the following page.



13. In IP Device Utility, select **Firmware Upgrade** tab.



14. Click “**Browse**” and locate the firmware as downloaded in step 12. (Firmware has .img file extension)
15. If the same firmware update applies to all GV-IP Devices found via search, check “**Upgrade to all video servers**” option to apply firmware update on all GV-IP Devices found.
16. Click “**Upgrade**”.

## 5.2.5 Export Settings

To preserve custom settings on GV-IP devices, settings can first be exported via GV-IP Device Utility. The exported settings can be applied on any GV-IP device of the same type with the same firmware.

17. In IP Device Utility, select **Export settings** tab.
18. Select “**Browse**” to designate the export file destination.
19. Select “**Export settings**” to begin export.

The screenshot shows a dialog box titled "Export settings" with a blue border and a close button in the top right corner. The dialog is divided into several sections:

- Mac Address:** 0013E2014C8C
- IP Address:** 192.168.0.44
- User Login:**
  - User Name:** admin
  - Password:** \*\*\*\*\* (highlighted with a red box)
  - VSS Port:** 10000
- Navigation Tabs:** Set IP Address | Firmware Upgrade | Device Name | **Export settings** (highlighted with a red box) | Import settings | Reboot
- Save File Path:** C:\Documents and Settings\Desktop (highlighted with a red box) and a **Browse...** button (highlighted with a red box).
- Buttons:** **Export settings** (highlighted with a red box) and Cancel.

## 5.2.6 Import Settings

To quickly apply custom settings on GV-IP devices, settings can be imported via GV-IP Device Utility. GV-IP device can only import settings saved from the same type of device with the same firmware.

20. In IP Device Utility, select **Import settings** tab.
21. Select “**Browse**” to locate the setting file destination. (Refer to step 18 in previous section)
22. Select “**Update settings**” to begin import.

Mac Address: 0013E2014C8C IP Address: 192.168.0.44

User Login

User Name: admin VSS Port: 10000

Password: \*\*\*\*\*

Set IP Address | Firmware Upgrade | Device Name | Export settings | **Import settings** | Reboot

Version: v1.08 2009-06-26 **Browse...**

Upgrade all devices

- General settings
- Password settings
- Network settings

**Update setting** Cancel

- ✓ For detailed instruction, refer to p.611 of v8.4 User Manual