IP Camera Quick Start Guide

Thank you for purchasing a Vilar IP Camera. The VS-IPC 1002 is a high performance IP Camera. The camera provides many features such as steady network connection, powerful customer management, compatibility and security. You can use it simple and convenient.

This guide explains how to install this camera fast. For more details, please refer to the [UP-009 IP Camera User Manual.doc] on accessory CD.

Connecting the LAN

Connect the network cable to the RJ45 network connection port.

Connect the power adapter to the IP Camera power socket and then insert the plug into an available power outlet.

Start up your computer, and make sure it connects to the LAN successfully. Click **Start**>**Running**, and enter "**command"** (for Windows 95/98/ME) or **"cmd"** (for Windows2000/XP). Then select "**OK**" and enter "**ipconfig**", press **enter**.

The basic setting of your network will be shown as follow:

Please record the **IP Address**, **Subnet Mask**, and **Default Gateway**. You might use this information to set your device.

Insert the accessory CD into the CD-ROM, copying the "**VilarWizard_CN.exe**" which is green software from the CD to your computer. Double-click it on your computer. The interface as follow will pup up.
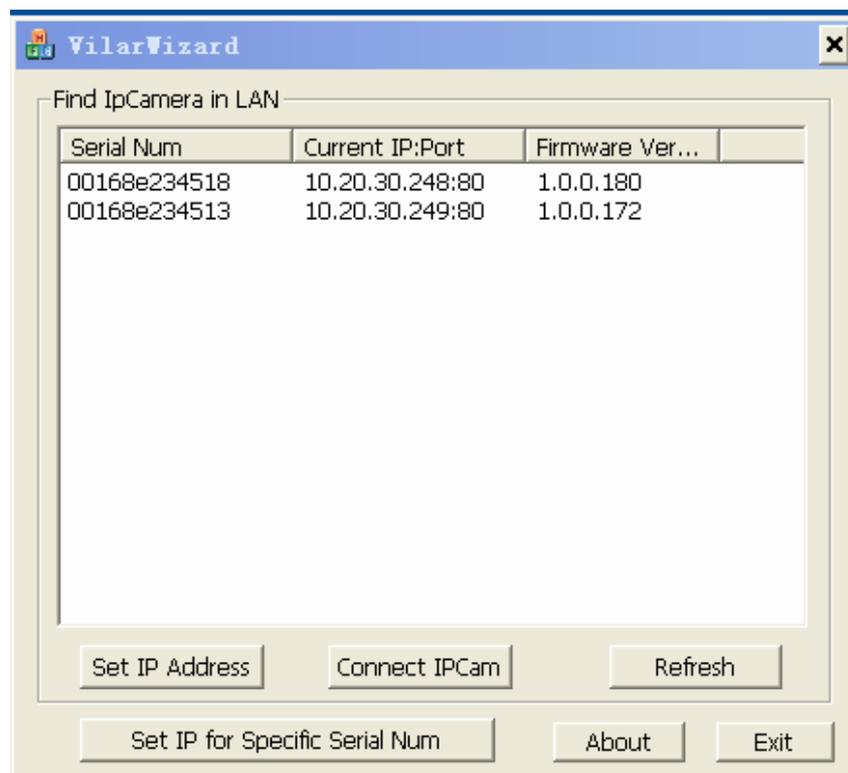
This window shows us all the IP Cameras in your LAN. You can press the **refresh** button to get a new list.

If there are many cameras in your LAN, you can look for your camera by checking camera's "**serial number**". The serial number is on the back cover of this guide.

If your IP Camera's IP address is not as the same segment of your PC(defined by IP Address and Network Mask), you may not be able to visit your IP Camera. For example, Your PC's IP address is 192.168.100.33, network mask is 255.255.255.0, then your PC can visit the IP address from 192.168.100.1 to 192.168.100.255 only, If your IP Camera's IP Address is not in this range, you cannot access it. Therefore you can click [Setup IP] button to change IP Camera's IP address and adjust it adapting your PC setting.
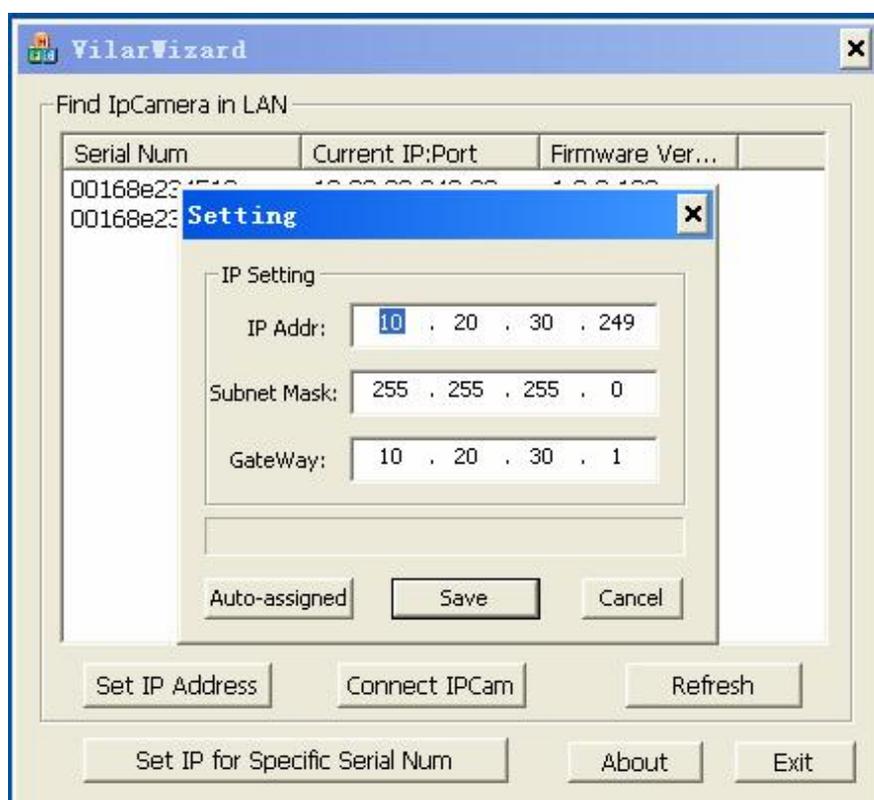
Please fill in the LAN parameters which were you recorded before such as **Subnet Mask, Default Gateway** and **IP Address**. Attention of IP Address is the front three sections of IP Address are the same as your recorded, but the last section you have to enter the number is different from your computer. For example your PC IP address is 10.0.8.69; you can set your camera IP address as 10.0.8.210. You might need contact your network administrator to make sure how to set the last number of your camera IP address.

For example:

Subnet Mask：255.255.255.0

Default Gateway：10.0.8.1

IP Address：10.0.8.210

After that click [ok] and then enter the administrator's username as "**admin**" and the administrator password as "**123456**".
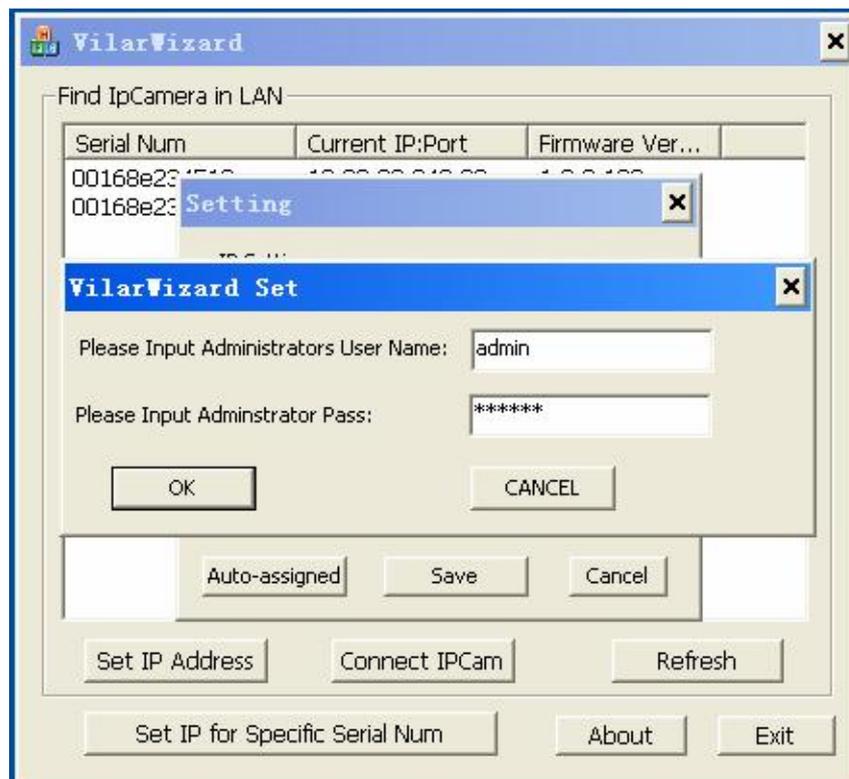
Click "**OK**", the system starting assign a new IP address for your IP camera.
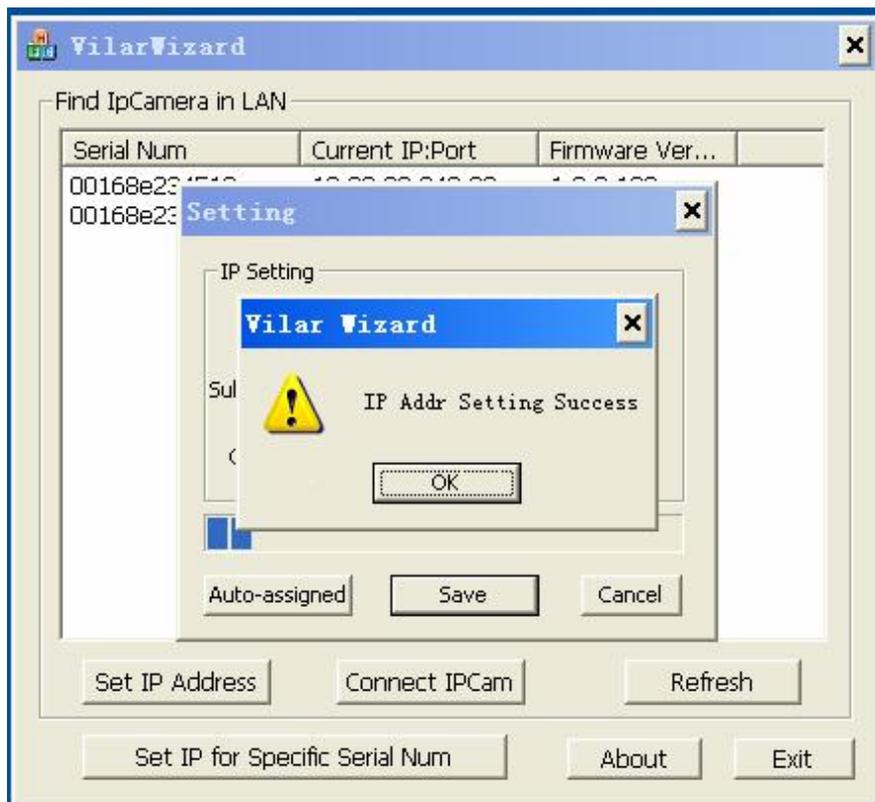
Click "**OK**" after you saw the successfully prompt. Then new IP address of your camera has been shown in the interface.
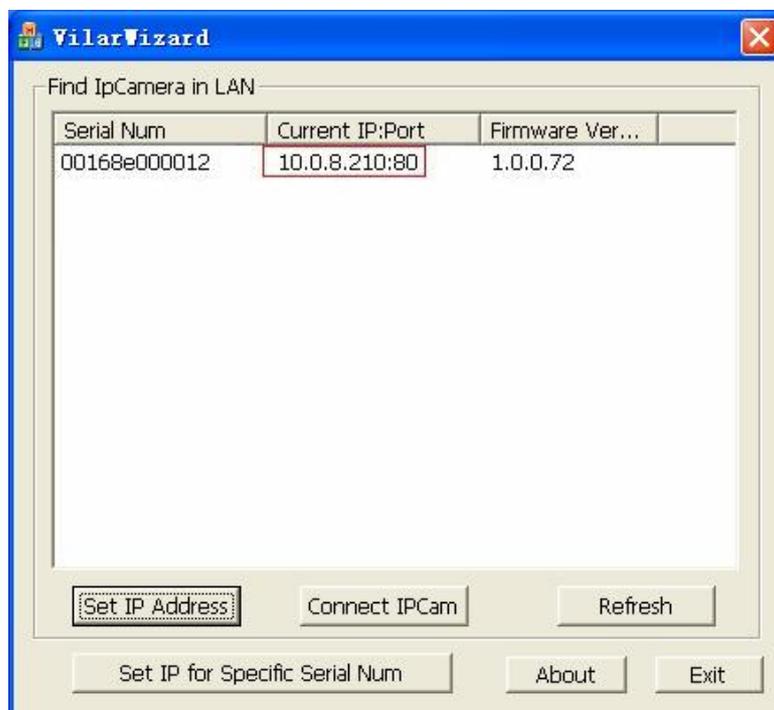
Selecting this camera, and click "**visit IPCam"** option, the Internet explorer will connect your camera automatically.
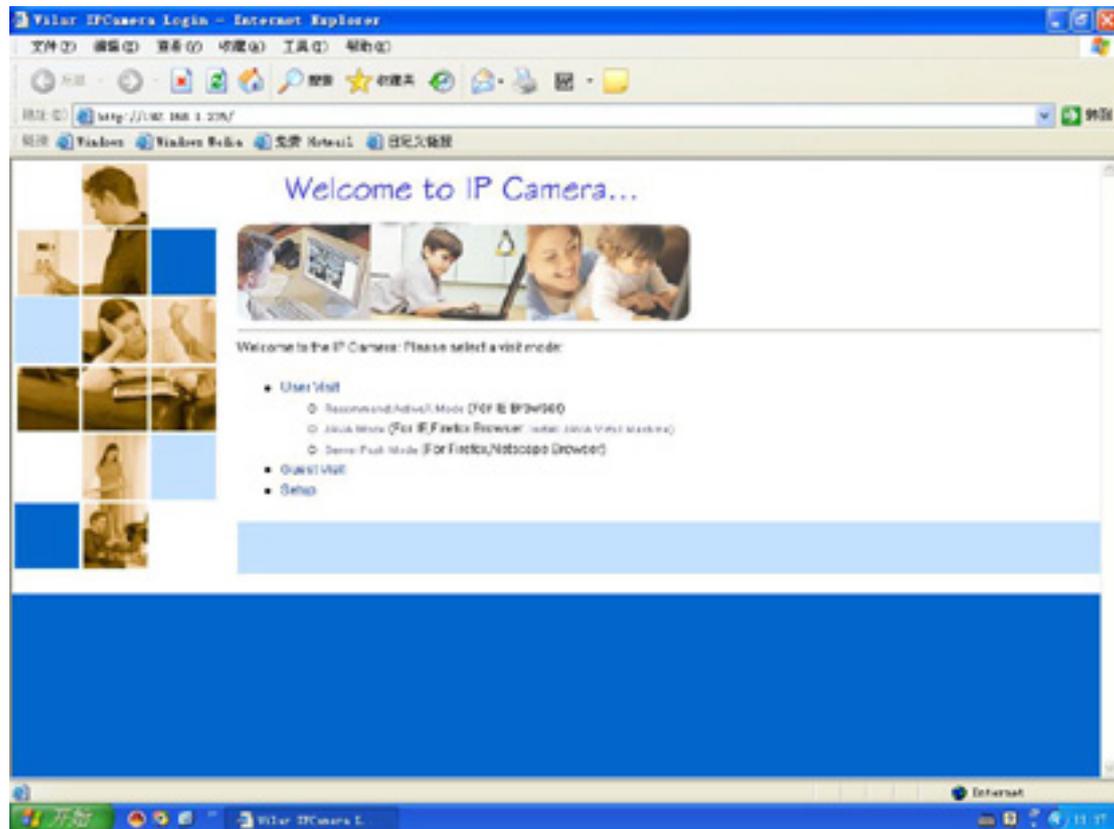
Above interface can be indicated means your IP camera is connect to network successfully.

Also you can enter your camera IP address into the Internet explorer to access, such as http://10.0.8.210

Click the "**User Zone**" button; you will enter the image view interface. The login window will be indicated at the first time.

Please fill in the administrator's username as "**admin**" and the administrator password as "**123456**" to enter the website.

When you enter the ActiveX mode at the first time, you might be prompted to install the ActiveX control. After you set the IE security option correctly, you will see the follow dialog box.

Click [**Install**] to continue. If you cannot see the message as above, you have to modify the Internet Explorer security configuration.

> **Note: You can not download the ActiveX Control without authorization until setup Internet Explorer security configuration properly.**

Setting Internet Explorer (IE) security configuration will execute following steps:

1. Select [Internet Options] in [Tools] menu of IE;
2. Switch to [Security] option card;

3. Select [Custom Level];
4. Setup as the following:
    a) **Init and Run unmarked as safety ActiveX controls:** Select [Alert];
    b) **downloading** *unsigned* **ActiveX controls:** Select [Alert];
    c) **Run ActiveX controls and plug-in:** Select [Enable];

5. Click [OK] to save it.

In addition the IPCam also can be a "Trusted Sites", the setting process as follow:

1. Select [Internet Options] in [Tools] menu of IE;
2. Switch to [Security] option card;
3. Select [Trusted Sites];
4. Uncheck "√" before "......https: (S) ";
5. Enter IP Camera's IP address or URL, for example, http://192.168.0.250 or http://tom.vipcam.cn;
6. Click [Add], [OK] to save it.

The access from internet

Sometimes you might need to visit your IP camera from internet. Such as you want to see your pets when you at office. You can control the home camera send the pets' video to you by using internet. You have to do some configurations of your router before you visit your camera from internet.

You cam image there are many cameras and computers are connecting the same inside network port of router. The router can get a public network IP address (such as 202.102.3.11) to connect the internet, however it assign inside network port address for each device as LAN IP address, such as 192.168.0.xxx.

You can choose follow methods to modify router configuration. After that the remote user can visit your IP camera.

You can achieve this goal by enable Reversal NAT (RNAT) function of IP Sharing Device.

1. "Virtual Server": Many routers have "Virtual Server" support. You must forward the WAN 80 TCP port to LAN IP Camera's IP and Port. (If you visit 210.82.13.21's 80 port outside, you will be forward to LAN 192.168.0.2's 80 port).
2. Another method is the "DMZ Host". If enabled to use a LAN device as the DMZ host, the outside PC will be able visit this LAN device directly, as if there is no IP Sharing Device exists. This method support only one LAN device exposed to the WAN. Thus, if you have more IP Cameras, you have to use the above method.

The Dynamic Domain Name access

The dynamic domain name (DDN) access is using DDN system to mapping a user's dynamic IP address to a settled dynamic domain name service. It makes up of Server program and Customer program. The Customer program sends the dynamic IP address of host computer to Server program, and then the Server program update the data now. Also the Server program can provide a settled domain name for customer. The new IP address will be tied with the settled domain name together by Server program. At this time the dynamic domain name service (DDNS) is done, and your server can be visited by others.

The function of DDNS is achieving the resolution between dynamic IP address and settled domain name. After getting the new IP address, user has to apply update data from DNS every time. When the user is online, someone wants to

visit this domain name from internet, the DDN server will return to the correct IP address. To prevent a confusion caused by reusing the same IP address, the DNS have to stop use the domain name when the user is offline.

The DDNS operating figure as follow:
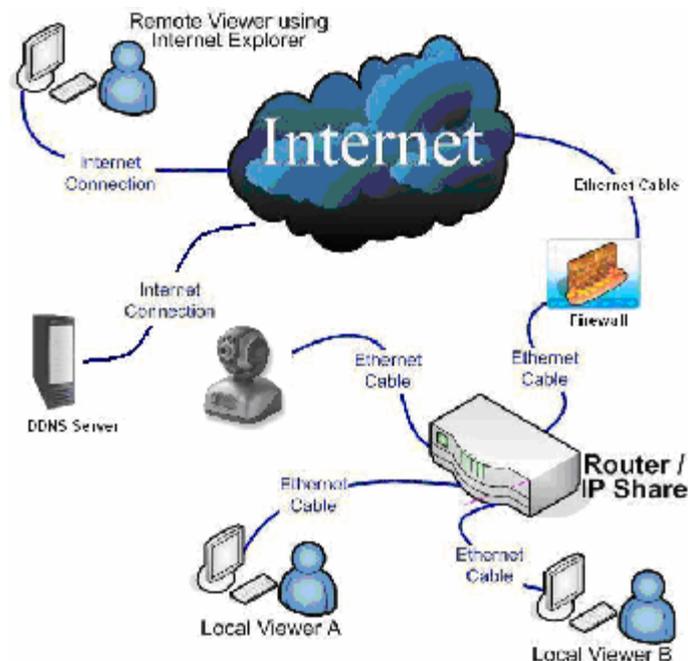
In order to use DDNS you have to apply a DDNS domain name first. Please visit http://www.vipcam.cn, enter the product serial number and original password login. You can find the serial number and password of your camera in the back cover of this guide. Setting your DDNS domain name and changing your password on this page. Please enter in common use e-mail address, because you can get back your password easier when you forget your password. After that visiting your camera on your computer, select "**system setting->network setting**" and set the "**Dynamic domain name**" option, it shown as follow:
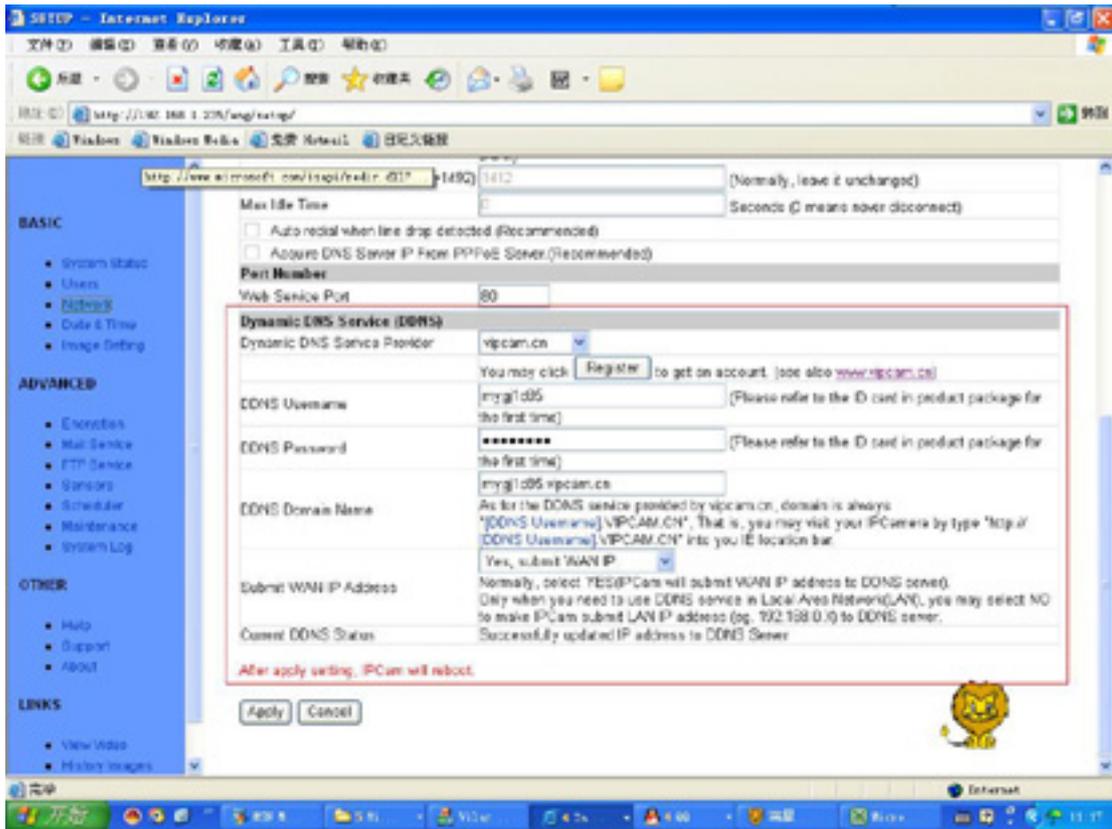
Please choose "**DDNS supplier**", enter your "**User name**" and "**Password**", and then click "**apply**". The network camera will reboot after that, if you see the current status is "update IP address for DDNS server", it means DDNS configuration is successful.

Please attention that your LAN have to open the UDP port when you using DDNS. If you have any question, please contact your network administrator or the Vilar IP Camera customer's center to get some help.

Connecting internet via ADSL

When you use router or other IP sharing device to connect internet via ADSL, the network framework is similar as your LAN.
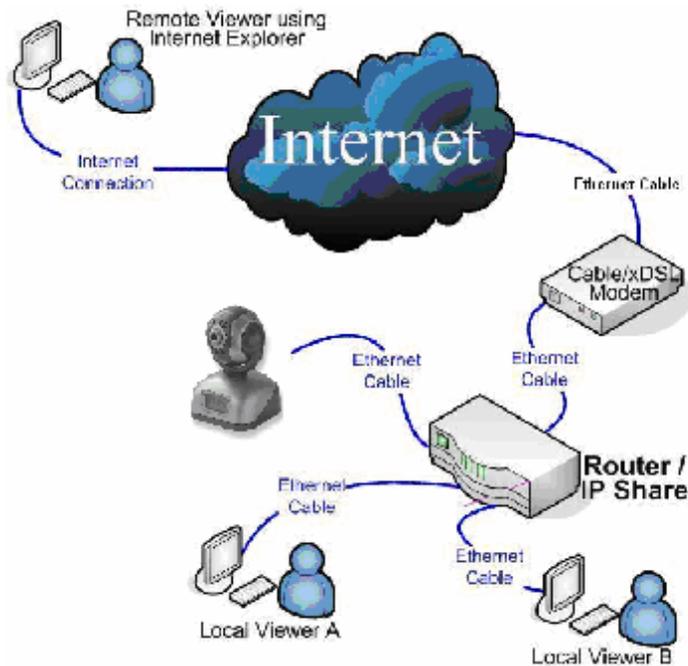
When your camera connecting internet via ADSL, you might need open PPPoE service. In that case the network configuration as follow:
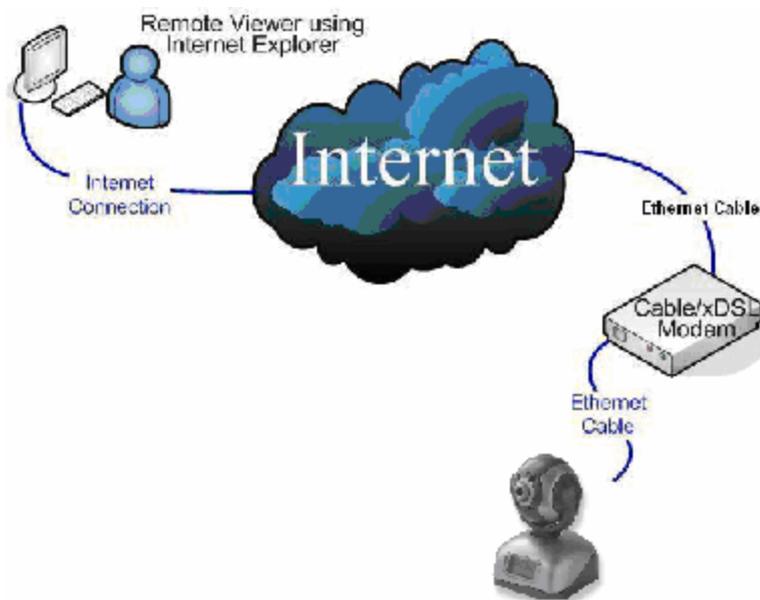
For open PPPoE function, please use network cable connects your camera to your PC network card directly, running "**VilarWizard_CN.exe**" or enter your camera's IP address into IE to visit your camera. Select "**Network setting**" from the **System setting** option, and enter your "**User name**" and "**Password**" as same as your ADSL account in the red box of below figure.
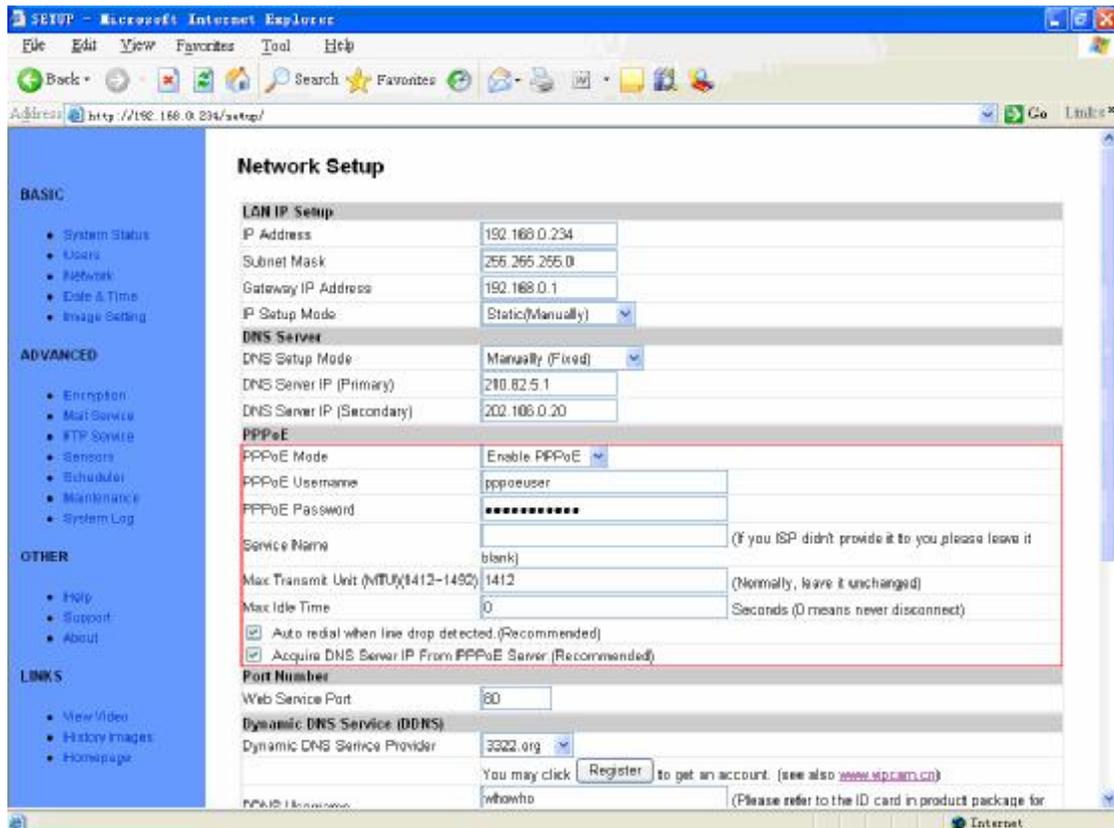
Furthermore select the "**redial automatically**" and "**DNS service IP address provided by PPPoE Server**", and reboot system after click "**OK**". Using network cable connect camera to ADSL. The ADSL connection is successful after 1-2 minutes, and then the LCD monitor will indicate the PPPoE status and IP address. When you use ADSL to connect your camera with internet, you need starting DDNS service, because the system assigns a different IP address for your ADSL every time. For more details, please refer to "**The dynamic domain name access**" as above.

Thus you have been operated the camera completely, more features please refer to the "**IP Camera Operating Instructions**".