
IPCamera

2008-July Version V1.0

Users Manual

1 Packing

- ü **IPCamera *1 (Users can adopt other kind of lens)**
- ü **5V power adapter*1**
- ü **Bracket *1**
- ü **IP Camera Utility CD *1**
- ü **Users Manual*1**
- ü **1.5 m Cable*1**

2 Functions

- ü **It is a video-transmission device based on net. The VGA/QVGA video will be transmitted through LAN/WAN at most 30 frames per second. The video is compressed by MJPEG**
- ü **it adopts the TCP/IP network protocols and has a inner webserver. It is very simple to use, users can browse video through IE (It's unnecessary to download ActiveX)**
- ü **The infrared lights will start to work automatically when the environment is dark.**
- ü **Detector can be connected to it for detecting alarm.**
- ü **All the IPCameras have a factory-default equipment SN and a domain name on it.**
- ü **A free customer-end software, SuperIPCam will be present to the users. Users can browse several devices, record video for long time and realize the alarm check.**

3 Appearance and Interface

- 1) **Appearance of the device**



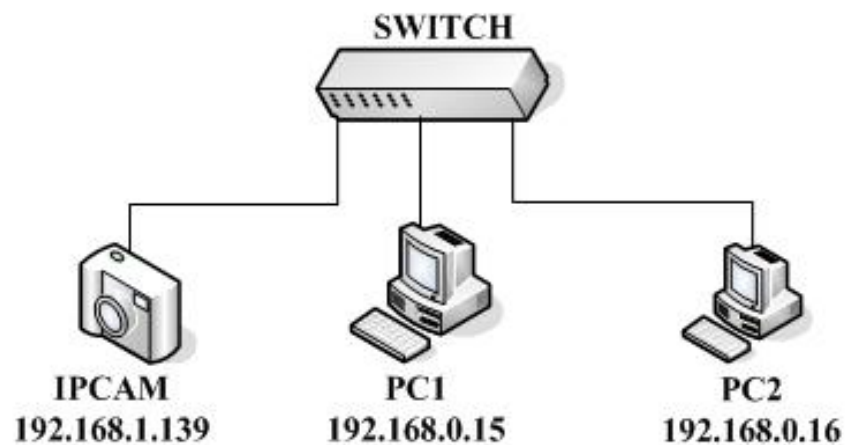
2) Interface

- ü Power interface. Connect a 5V power adapter.
- ü Network Interface. RJ45 socket and a network cable connect the socket with HUB/ Switch/ Routers
- ü External alarming interface. The input pins can connect with a detector

4 Visit the IPCamera in LAN

1) Connection

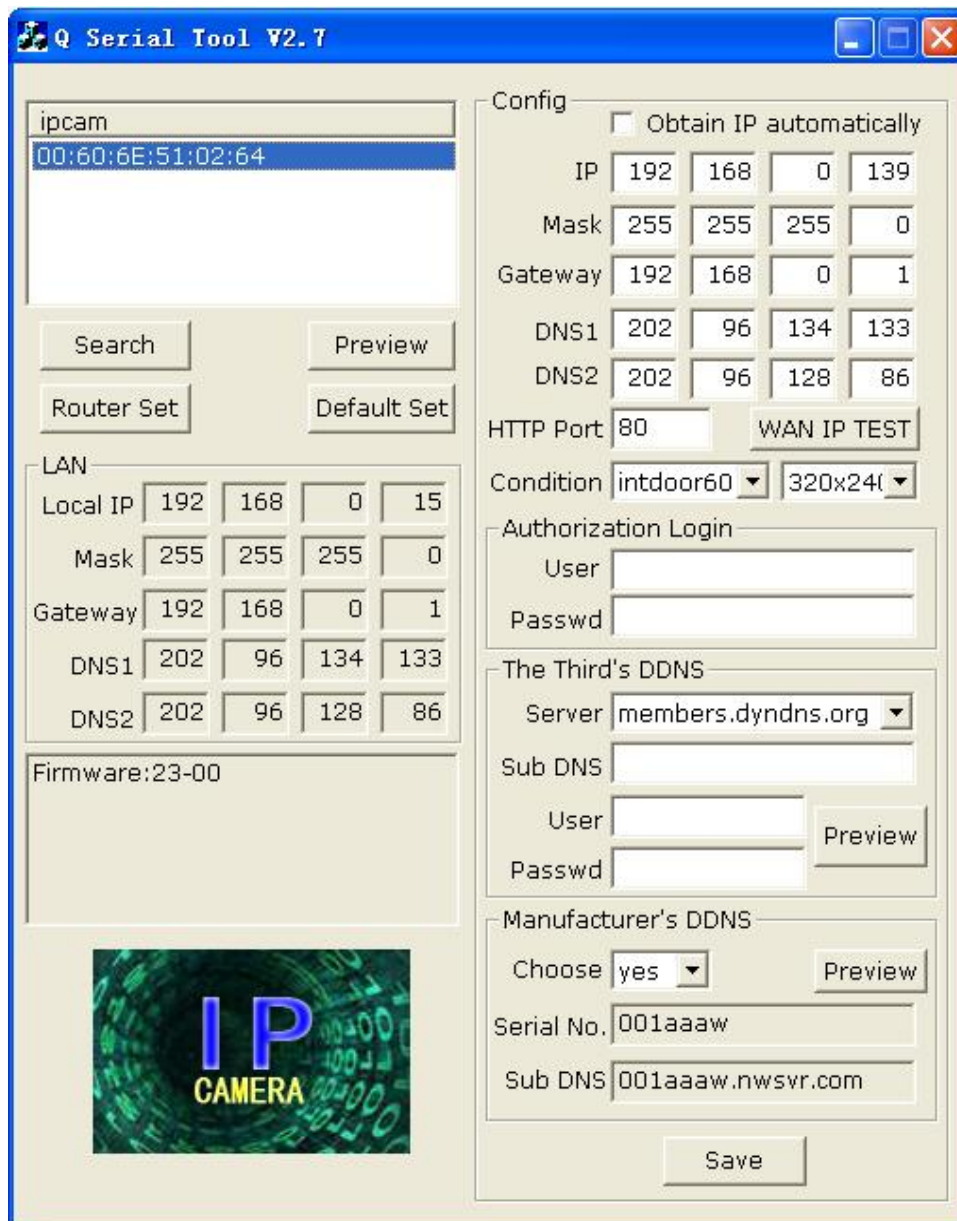
IPCamera can be connected with other PC through router, switch or hub to establish a LAN



2) Setup Procedure

The IP address should be in the same segment of your PC (defined by IP Address and Network Mask). Otherwise the IPCamera can't be visited. It can't be visited by entering 192.168.1.139 in the browser of PC1 or PC2 like the above picture. (Factory setting IP is 192.168.1.139, the http port is 80)

Put the supplied CD into the CDRom, Click and run "QTools". Users can set the IP address like the following interface. Click [search] and select the searched device. Then set the IPCamera's IP address.



Note: Please stop the working of firewall in the PC1 and PC2. Otherwise, the software can't search the device.

Setup Instruction:

- ü Select the "Obtain IP Automatically". The area for IP, Mask, Gateway, DNS1 and DNS2 setting will be changed into gray. Users can't set these items. The

IPCamera will get a right IP address from the Router after saving the setting. The IP address of the device which gets from Router will be displayed when users click the search button again.

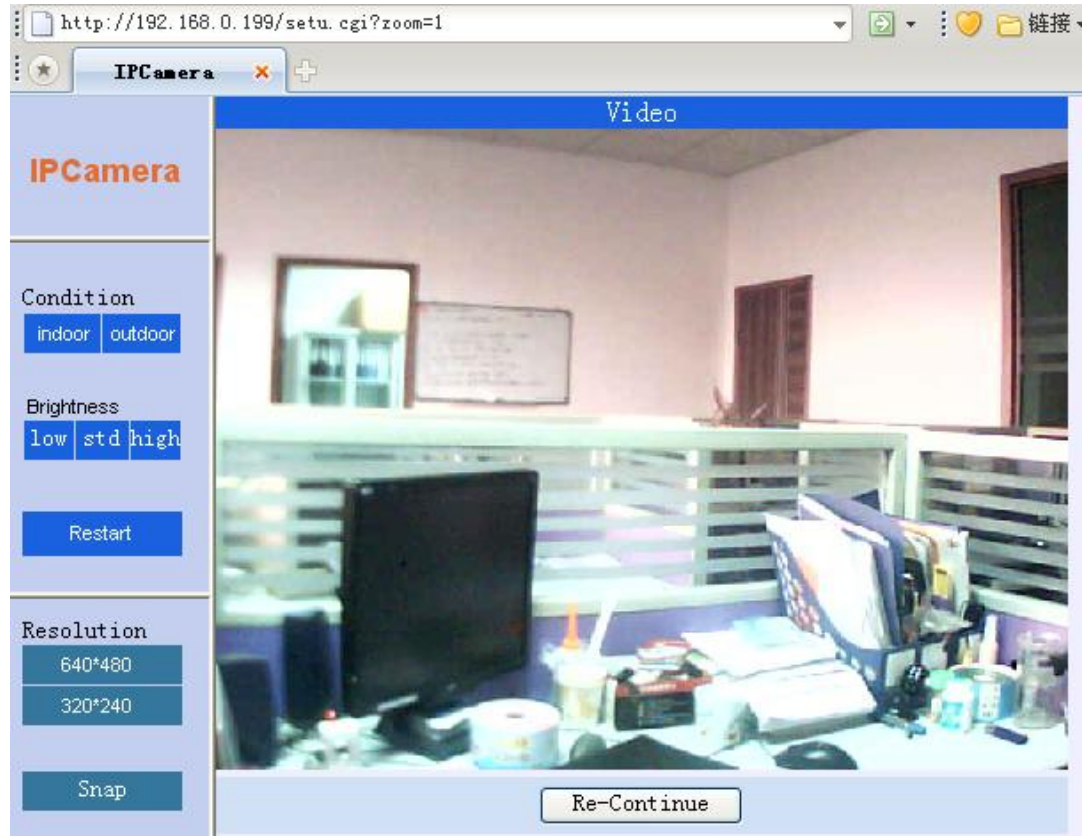
- ü Users can also set the IP address, Mask, Gateway, DNS1 and DNS2 manually. Please refer the data in left “LAN” area.

LAN				
Local IP	192	168	0	15
Mask	255	255	255	0
Gateway	192	168	0	1
DNS1	202	96	134	133
DNS2	202	96	128	86

- ü The default http port is 80. Users can also use other ports, such as 81, 82 etc.
- ü Users can select 320×240 or 640×480. It will take more bandwidth if users choose the 640×480 but the video quality will be better than use the 320×240.
- ü The option of 50HZ is the current frequency of power. If the local power is 60HZ but set 50HZ for the device, there will appear waves on the video. The option should be consistent with the local current frequency.
- ü Default factory name and password are blank. For security reasons, please modify your password after you first login.

3) Preview

Click the save button after setting. The device will re-start automatically and the settings will be effective. Click “search” and select the device, the configuration information will be displayed. Click the Preview button on the left, the computer will start the IE and show the monitor video

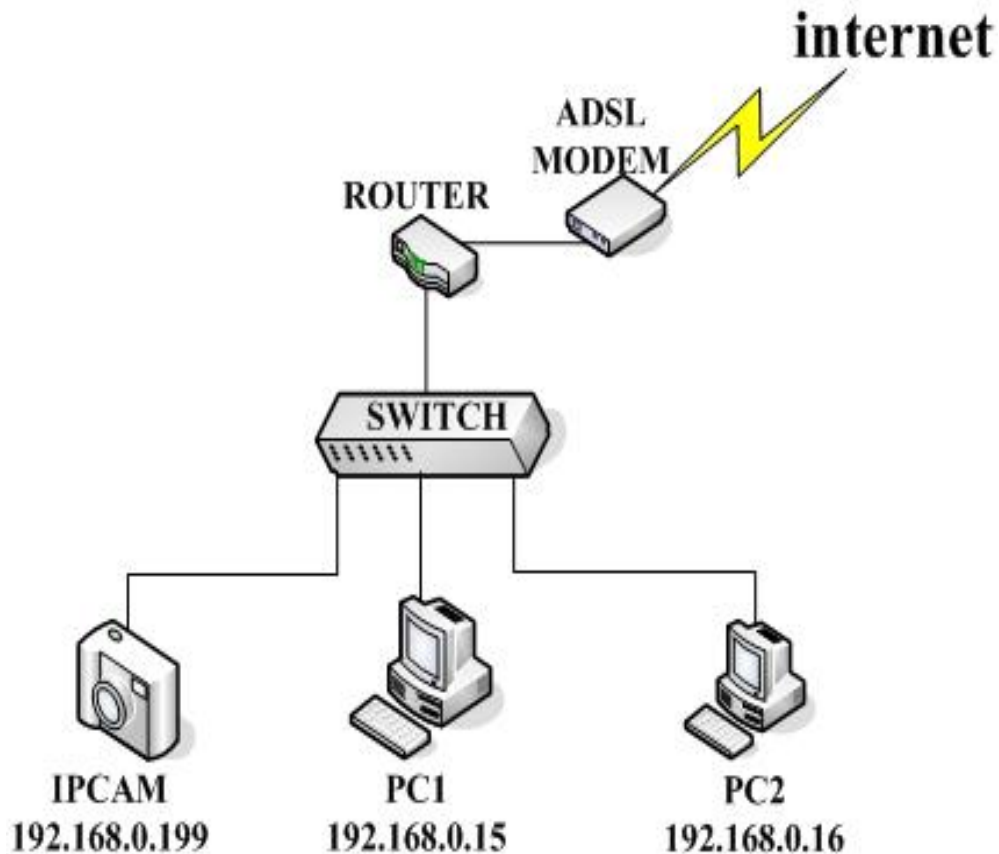


- ü If the video picture is too dark, please choose the “indoor” selection, If too shine, please choose the “outdoor” selection. Don’t select “indoor” or “outdoor” frequently.
- ü Users can also set the brightness slightly by selecting “Low”, ”Standard” and ”High”.
- ü Click “Restart” button to restart IPCamera remotely.
- ü Select “640*480” and “320*240” to set the video resolution
- ü Click “Snap” to capture the present video and save it.

5 Visit the IPCamera on Internet.

1) Connection of Device

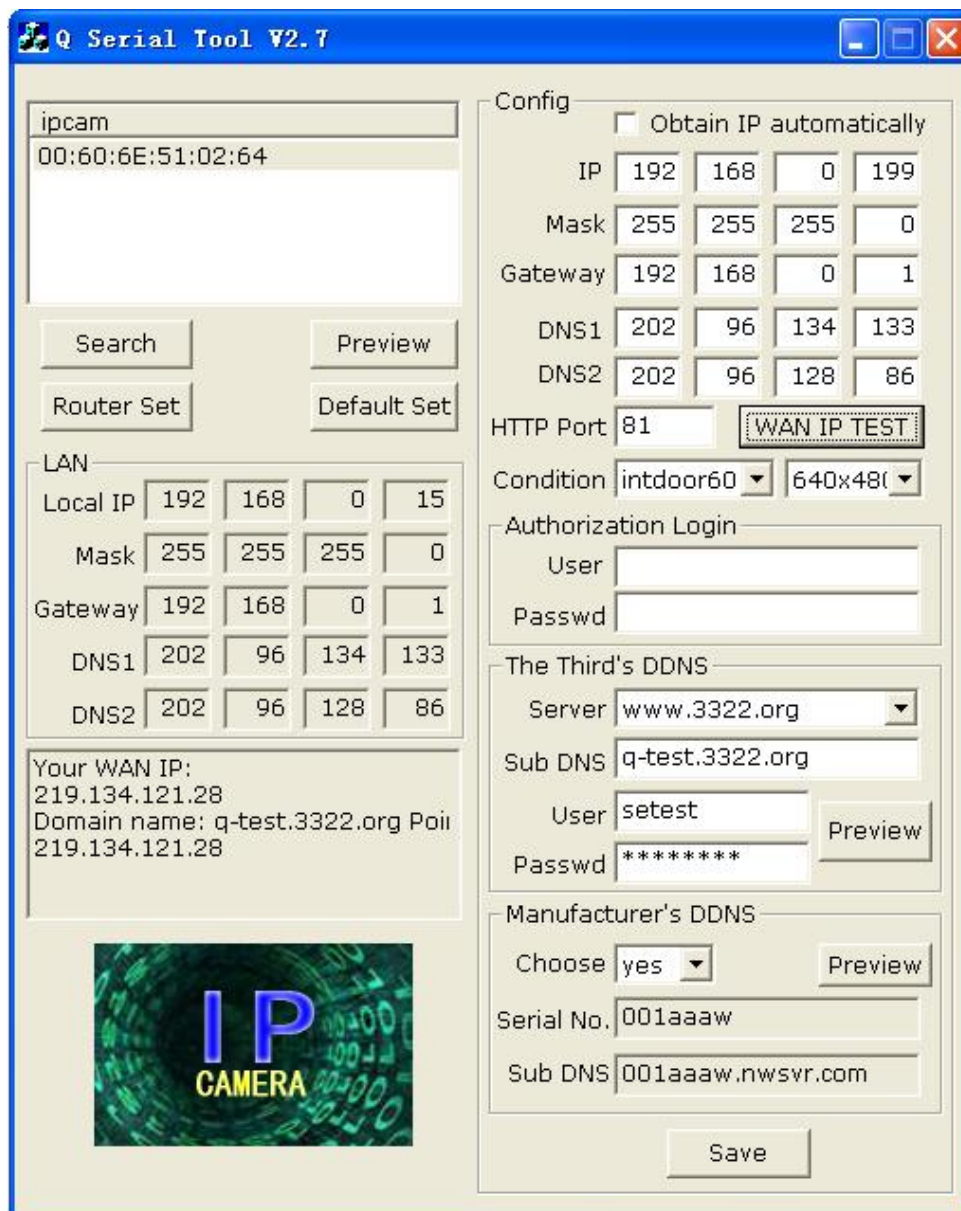
After connecting IPCamera to LAN, put the LAN into WAN.



Note: The WAN socket of the router must be connected to ADSL modem directly. For information about how to set the router to visit the WAN, please check your router manual. Generally speaking, users need to set the PPPOE and fill in the user name and password which assigned by local telecom company.

2) Device Set

The picture below is a sample of setting.



Firs step: Set the IP address and http port. Operate the Qtools software, then set the IP address and http port. The IP address of the above case is 192.168.0.199, and the http port is 81.

Second step: set the port mapping by clicking the“Router Set” button.

Note: If you can't visit the router by this operation, pls fill the router IP into browser to visit and set.

It's different to set the port mapping for different routers. Please check the users manual for router. Generally speaking, users can set port mapping in “Virtual Server” or “Forward Rule”. Fill in the IP address and port of the IPCamera and the port of router's WAN. The two port must be identical. The picture below is a sample.

Multi-Functional Broadband NAT Router (R1.93s)

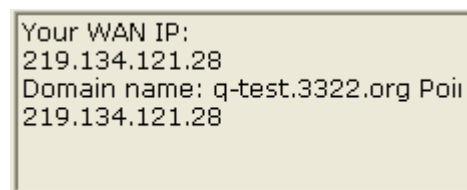
Administrator's Main Menu

- [Status](#)
- [Toolbox](#)
- [Primary Setup](#)
- [DHCP Server](#)
- [Virtual Server](#)
- [Special AP](#)
- [Access Control](#)
- [Misc Items](#)

Virtual Server

ID	Service Ports	Server IP	Enable
1	<input type="text" value="81"/>	192.168.0. <input type="text" value="199"/>	<input checked="" type="checkbox"/>
2	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
3	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
4	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
5	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
6	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
7	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
8	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
9	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
10	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>
11	<input type="text"/>	192.168.0. <input type="text"/>	<input type="checkbox"/>

Note 1: Click the “WAN IP Test” button to test the port mapping. The IP address will be displayed as the below picture. Fill in <http://219.134.121.28:81> to visit the video to check the port mapping available or not. If available, the port mapping is success. Otherwise, please check the WAN connection and the port mapping.



Note 2: When you connect several IPCameras to the WAN, each one needs to set the port mapping. The port for each device must be different. If the http port is not 80, users need to add “: the http port which you set”. The url for the above case is <http://219.134.121.28:81>

3) Test for WAN visit

If you can visit the device successfully after click the preview button. The domain name which displayed in Sub DNS dialog box can be used to visit the device

Manufacturer's DDNS

Choose

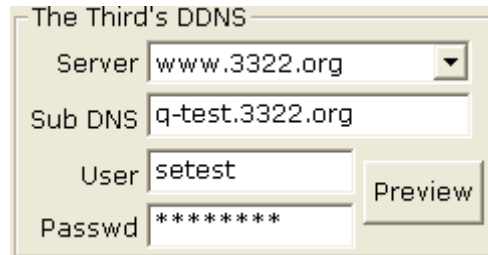
Serial No.

Sub DNS

Note: The domain name above is a forwarded one, not a real url. It will change into the IP address and http port when you input it in the browser. The <http://001aaaw.nwsvr.com> will change into <http://219.134.121.28:81> in the above case.

4) Set of The Third's DDNS (Optional)

Besides using the domain name which supplied by Manufacturer, users can also use the third's DDNS to get domain name, such as www.3322.org. Users can login this website to apply a free domain name. Then fill the related information in the below dialog box. Click the preview button to test if the domain name available or not.



The Third's DDNS

Server

Sub DNS

User

Passwd

Note: The domain name which gets from DDNS is a real url. Users can visit the IPCamera when fill the domain name in browser. If the http port is not 80, users need to add "the http port which you set". The url for the above case is "<http://q-test.3322.org:81>"

6 Use SuperIPCam to visit the Video

SuperIPCam is a free software for customers. Users can visit devices on lan or internet through it. Functions of the software include:

- Ø Multi-view function
- Ø Video Record (choose MPEGR to record longer)
- Ø Snap picture capture
- Ø Alarm

For more information, pls refer the <<SuperIPCAM Users Manual (Applicable for Q series)>> in CD.

7 Technical Parameters

Items	Description
Video	
Video Input	Single high quality CMOS Sensor (30,0000 pixels)
Compression	Motion-JPEG
FPS	30 frame per second (320 x240) maximum.
Resolution	VGA (640x480)/QVGA (320x240)
Interface	
Alarm in	1-way Alarm in (open/close signal)
Network	
Interface	Ethernet 10/100Base-T RJ-45
Protocol	Transport: UDP/IP, TCP/IP, HTTP Other: DNS and DHCP client, DDNS
Power	
Supply	5V DC
Consumption	2W Maximum
Physical	
Temperature	-10°C~45°C
Humidity	50°C 95%