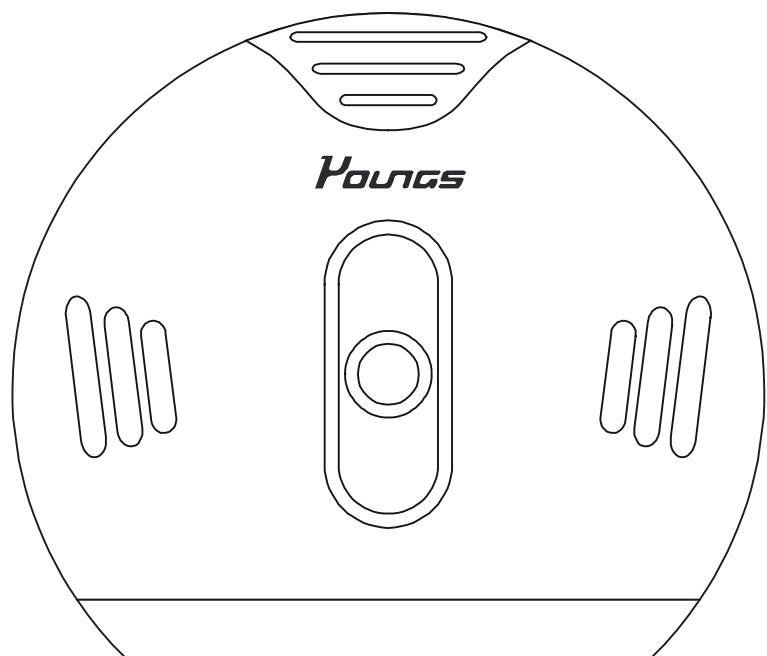


# USER'S MANUAL

IPC-S001



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# Federal Communication Commission

## Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

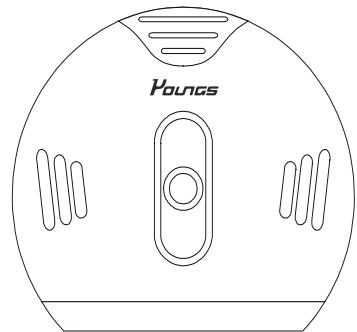
### IMPORTANT NOTE:

#### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## Package Contents

IP Camera



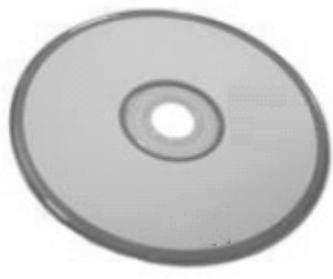
AC adapter



CAT5 Ethernet Cable



Software CD



Quick installation guide



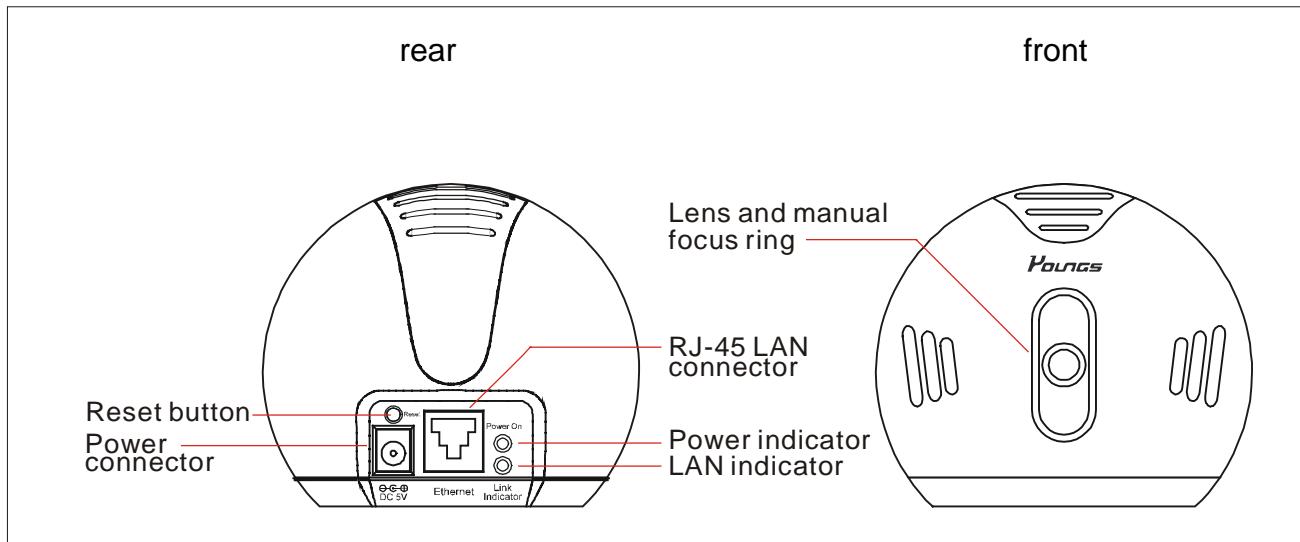
## Overview

The IPC-S001 network camera is a compact-size, easy-to-use and cost-effective solution ideal for home security and entertainment. With 1.3M pixel CMOS sensor technology, IPC-S001 provides excellent image quality with digital pan/tilt/zoom monitoring capability. IPC-S001 comes with a built-in web server that can be viewed via a web browser such as Internet Explorer or Netscape browser. Snapshots and recording can be taken directly from the web interface, which enables easy and clear camera installation. Providing a better way for baby or pet monitoring and video sharing, IPC-S001 IP Camera uniquely features instant messenger interface, turning network camera into a convenient PC camera. IPC-S001 is breaking the rule that conventional network camera follows.

## Key Features

- Stand-alone network camera, not need to attach to PC
- Motion JPEG compression engine
- Built-in web server for monitoring via web browser
- Local access through Ethernet, remote access through Internet
- 15 levels motion detection
- Digital pan/tilt/zoom
- Snapshot of 640 x 480 resolution, record, and download through integrated web interface
- Support instant messenger video communication (MSN, Skype, Yahoo! Messenger)
- Support Windows Movie Maker, recording as .wmv file (VC-1 encoding, better compression rate than MPEG-4)

## Physical Description



## LED Indicators

LED	Color	Description
Power	Red	System ready
LAN	Red	LAN ready

## System Requirements

The system requires an Ethernet port and an IP address. To view the IP camera images, each computer requires:

- Microsoft Windows 2000 or XP.
- Microsoft Internet Explorer 5.x, or later.
- Mozilla FireFox 1.5.0.7 or later

To use instant messenger with IP camera, each computer requires:

- MSN messenger 7.5 or later
- Skype 2.5.1.137 or later
- Yahoo! Messenger 7.5 or later

To use Windows Movie Maker, each computer requires:

- Microsoft Windows XP SP2

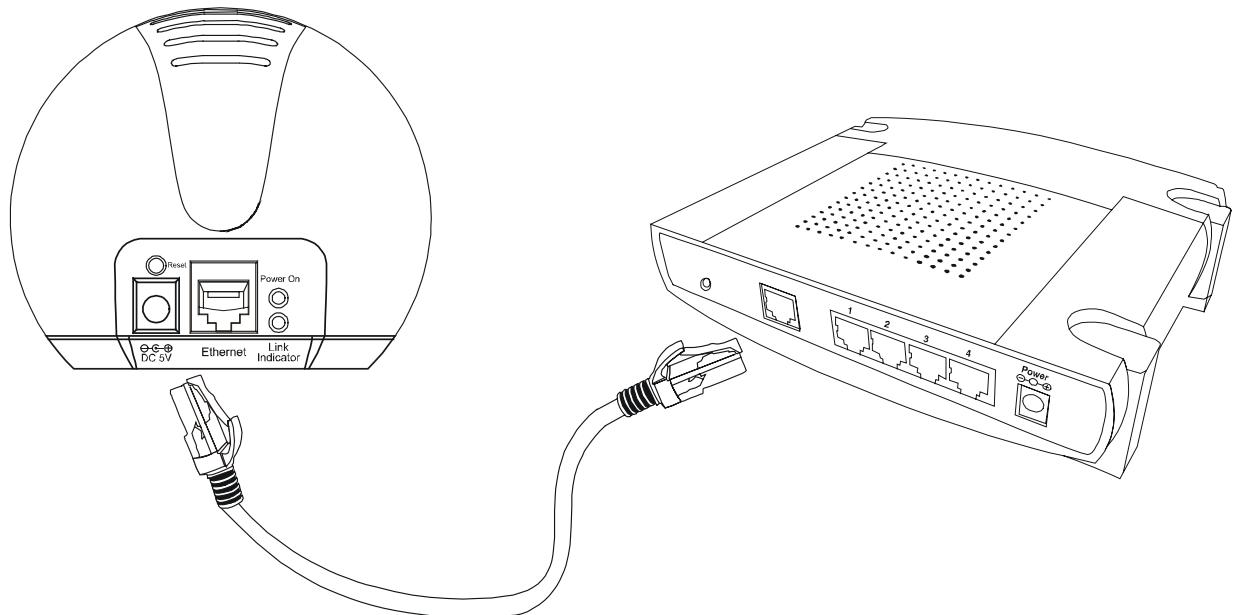
# Installation

## Hardware Installation

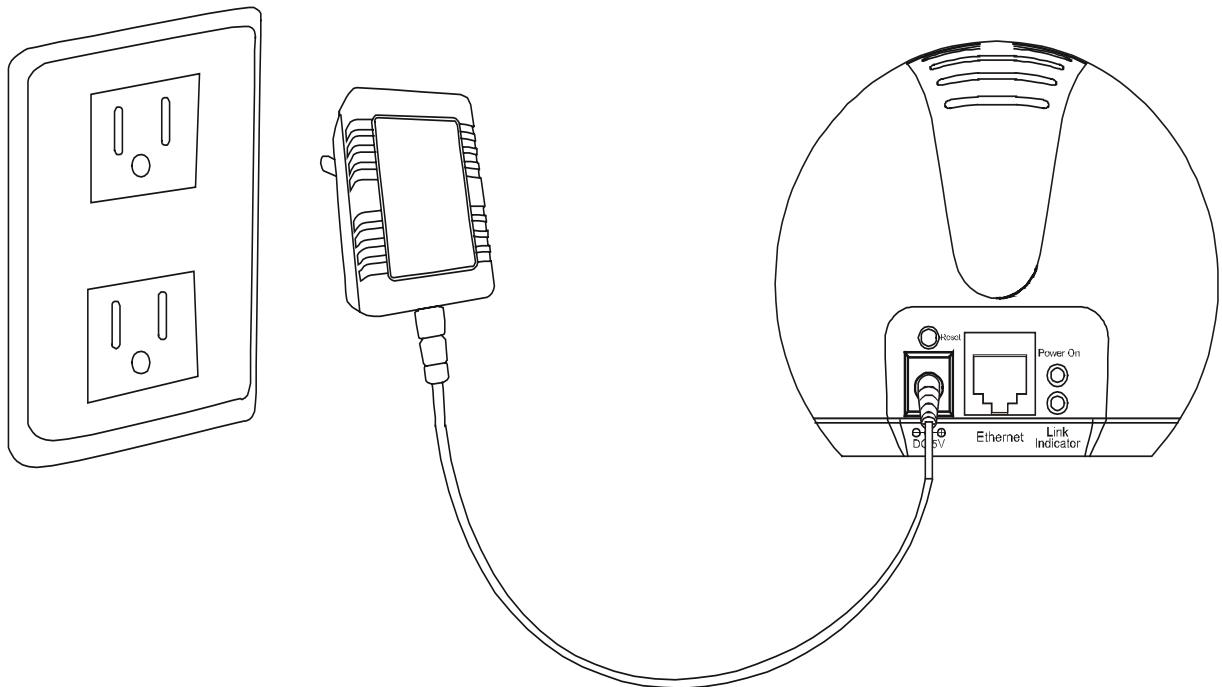
### 1. Warning

The camera is not waterproof and should NOT be mounted outdoor or in a position where it could become wet.

### 2. Connect to a network hub

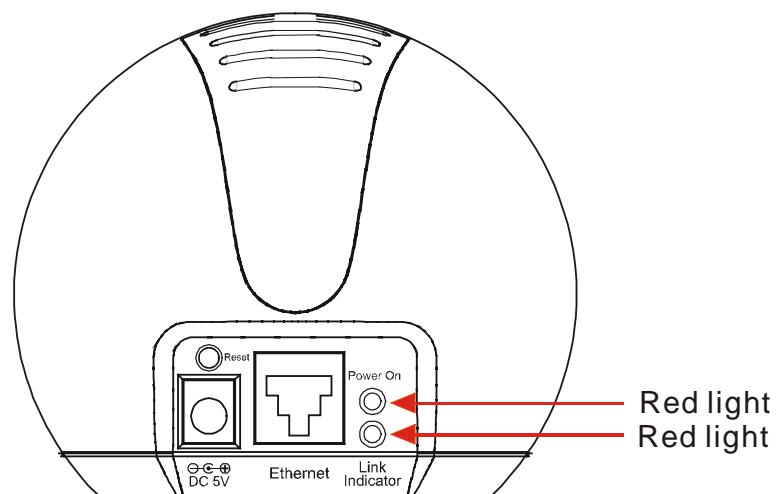


### 3. Connecting power



### 4. Check status

Note both two LED lights should turn on



## Software Installation

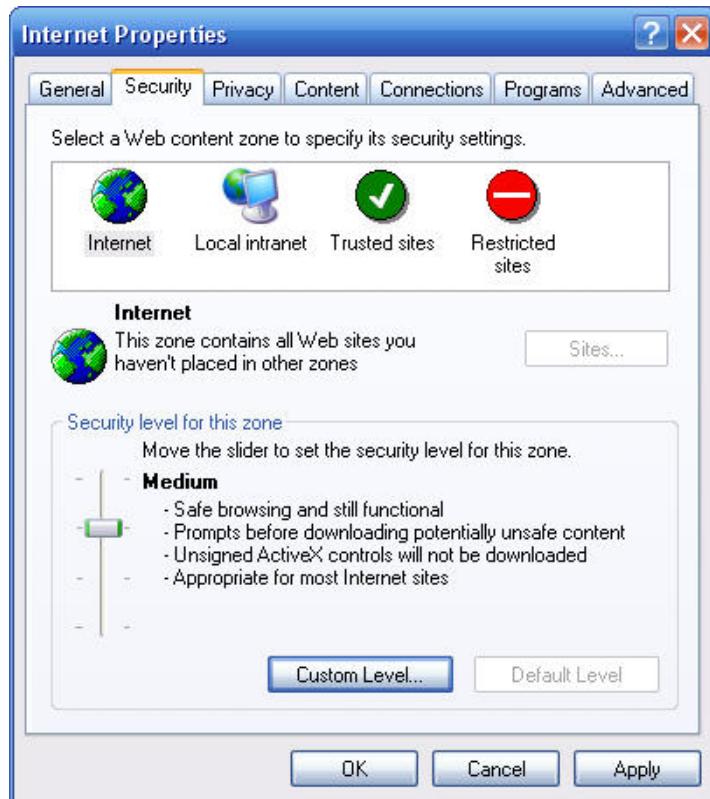
### Enabling Active X

Your browser must have Active X enabled to connect to the IP camera. To enable Active X in your browser:

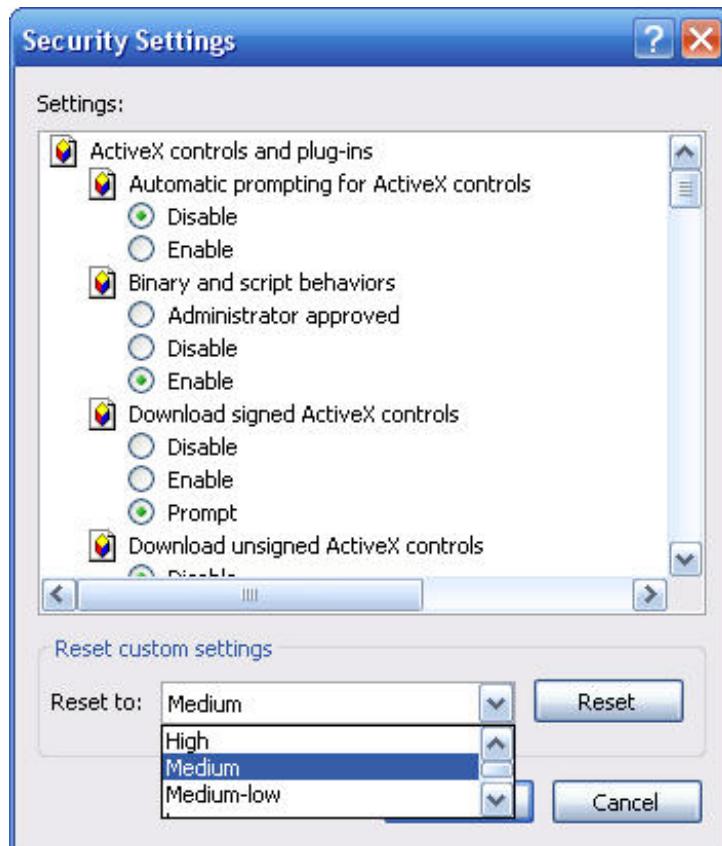
1. Open your internet browser.
2. Click on the tools menu at the top of the screen and select Internet Options...



3. Select the security tab from the Internet options menu.

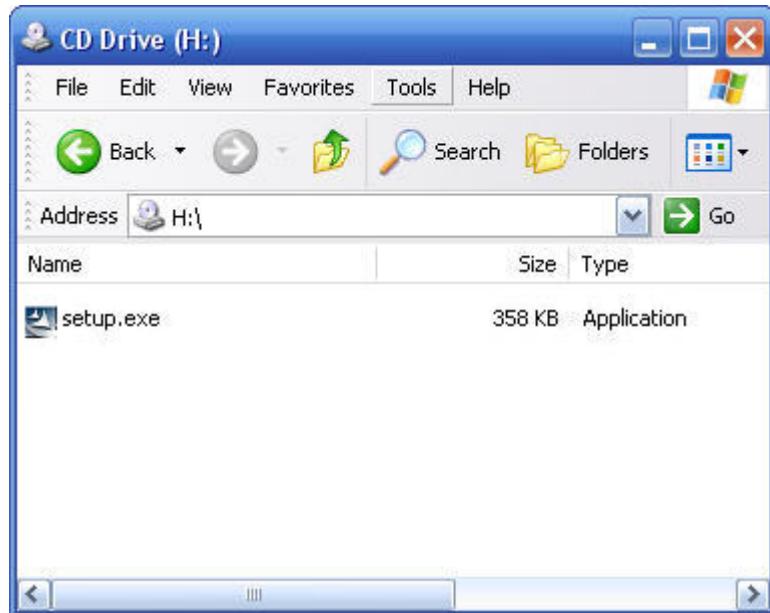


4. Click Custom Level button and enable all the Active X features in the list using the radio buttons or reset custom settings to Medium level.



## PC Cam Driver and Java Environment Installation

### 1. Run setup program from software CD



Double click the setup.exe to continue setup. If your system has not been installed of Java Run-time Environment, the setup program will install it first and then back to following steps.

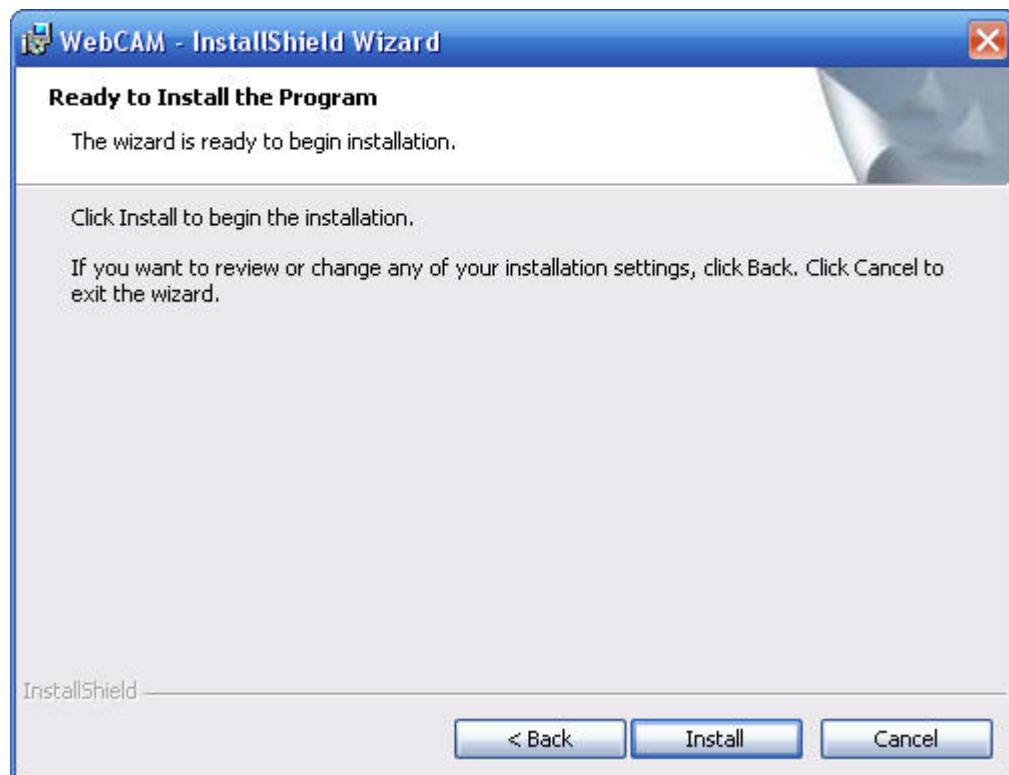
### 2. Click next



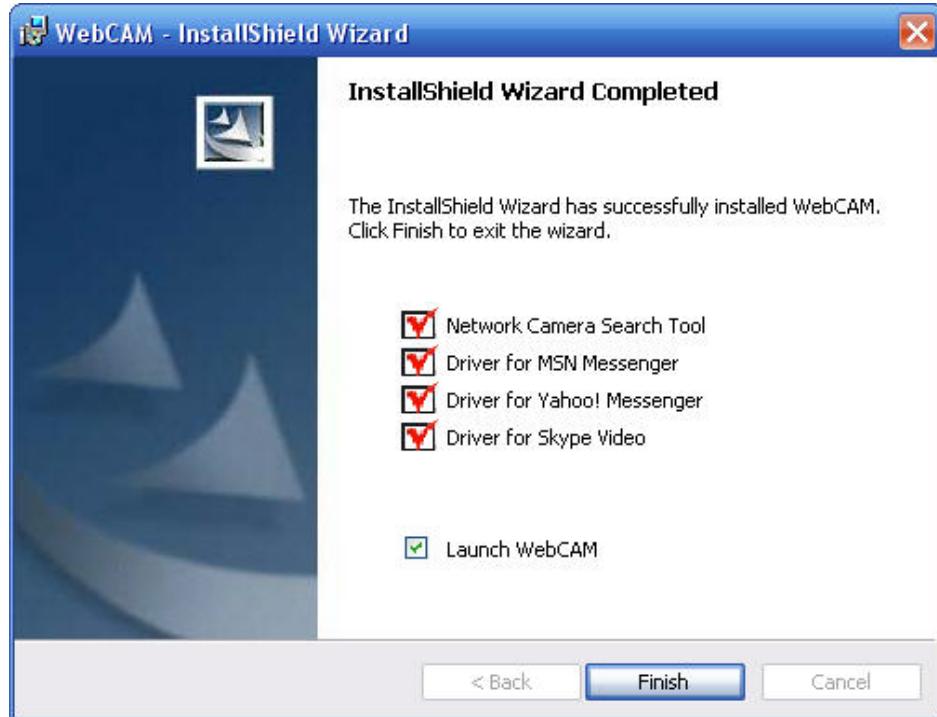
### 3. Click next or change the installation path



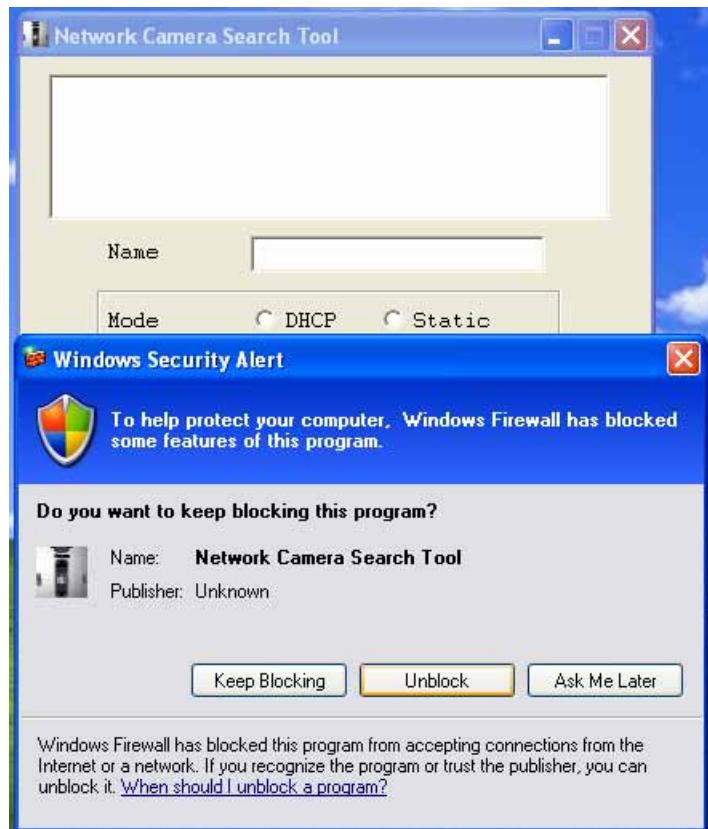
### 4. Click Install



5. Click Finish and launch the network search tool



6. Select Unblock to see the item list in the tool



(Note: If you selected keep Blocking, you will can't see the item list in the tool. You should set the firewall as follow:)

## IPC-S001 USER MANUAL

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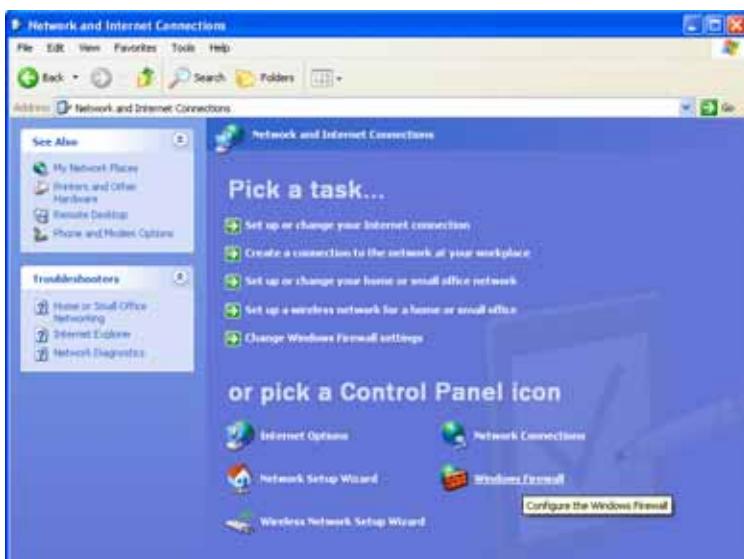
### Enter Control Panel



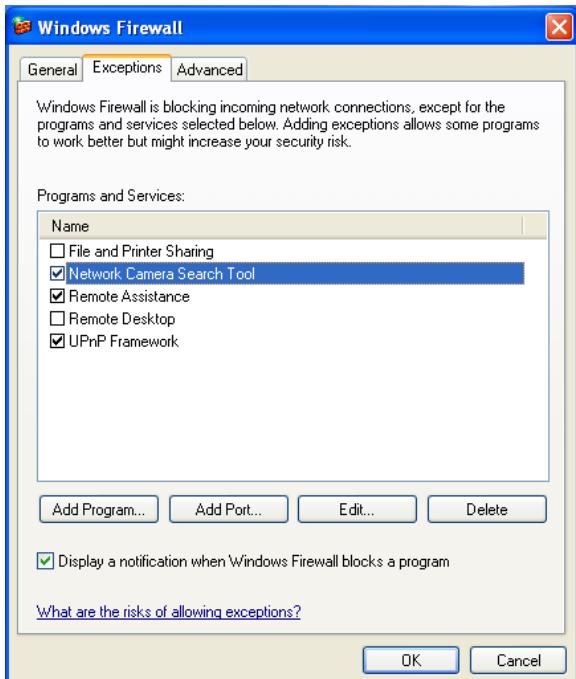
### Select Network and Internet Connections



### Select Windows Firewall

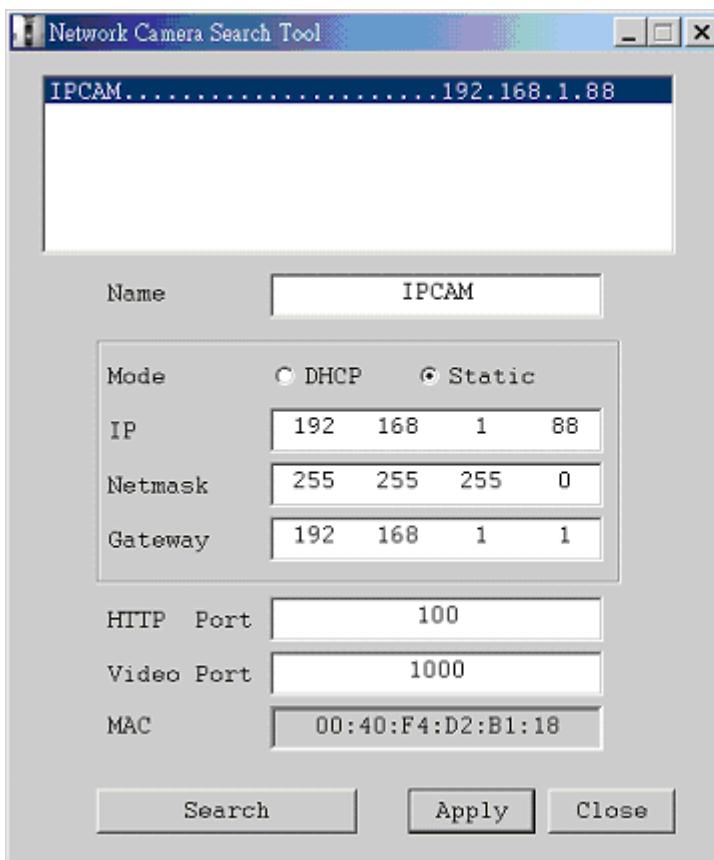


### Checked in Network Camera Search Tool



Click OK to save the setting.

### 7. Double click the listed item in the tool to open browser window



## IPC-S001 USER MANUAL

8. Login in as " admin " The default password is " 0000 "

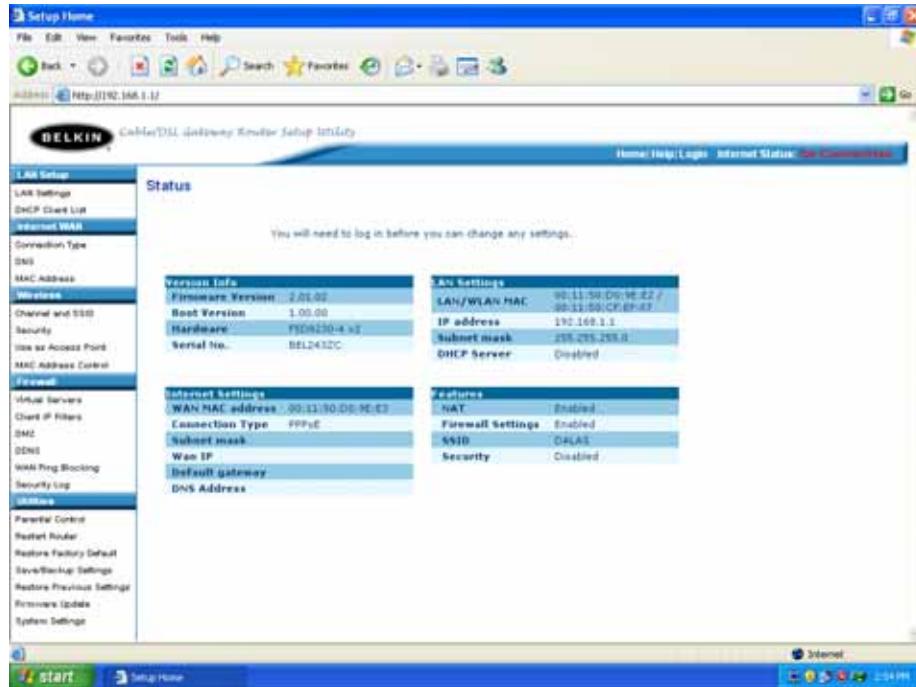


8. Use manual focus ring to adjust to intended focus range

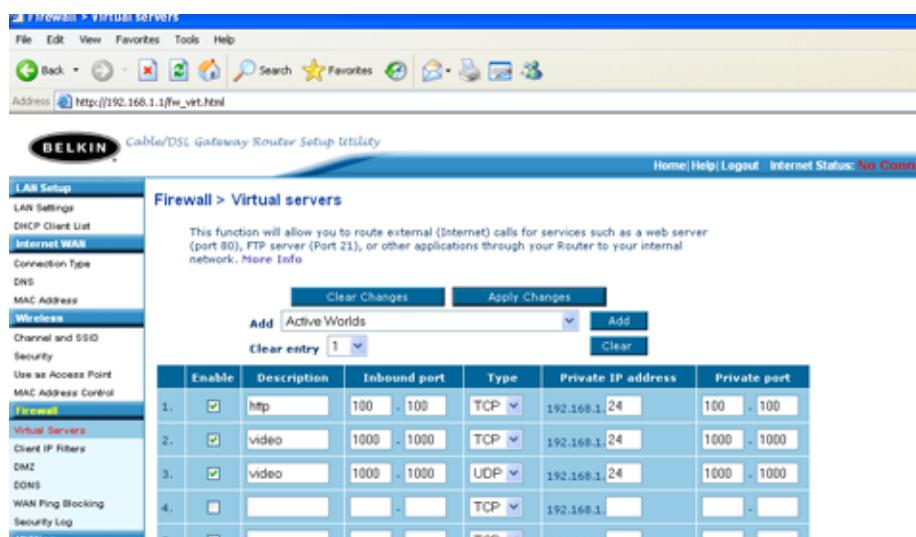


## Using IP Camera with Internet

Login into your router with your router IP(router mode: BEL243ZC)



Select Virtual Servers and type in the information contain private IP(24), http port(100), video port(1000)



Click Apply Changes to save the settings

## IPC-S001 USER MANUAL

### Log into web site of DynDNS



### Create a account

Please complete the form to create your free DynDNS Account.

**User Information**

Username:	IPC-S001W	Instructions to activate your account will be sent to the e-mail address provided.
E-mail Address:	webcam@yahoo.com	
Confirm E-mail Address:	webcam@yahoo.com	
Password:	*****	Your password needs to be more than 5 characters and cannot be the same as your username. Do not choose a password that is a common word, or can otherwise be easily guessed.
Confirm Password:	*****	

**About You (optional)**

Providing this information will help us to better understand our customers, and tailor future offerings more accurately to your needs. Thanks for your help!

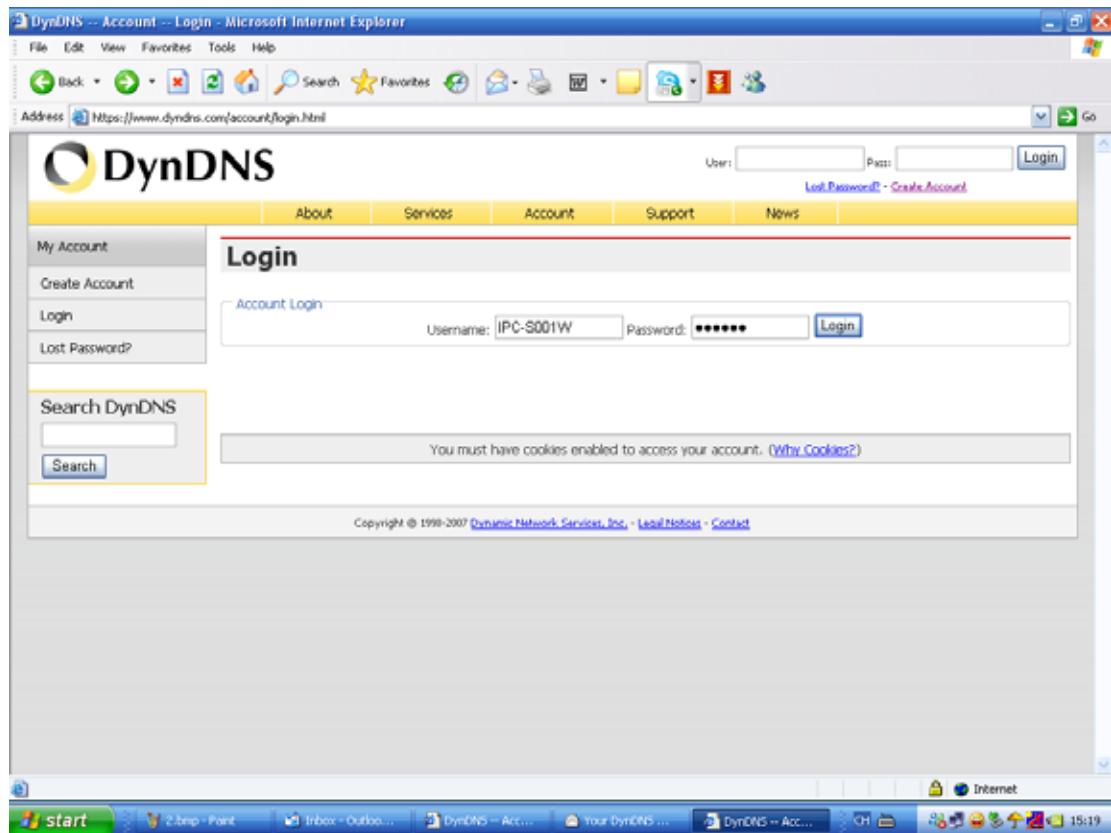
How did you hear about us:  Which one?

We  do not sell your account information to anyone, including your e-mail address.

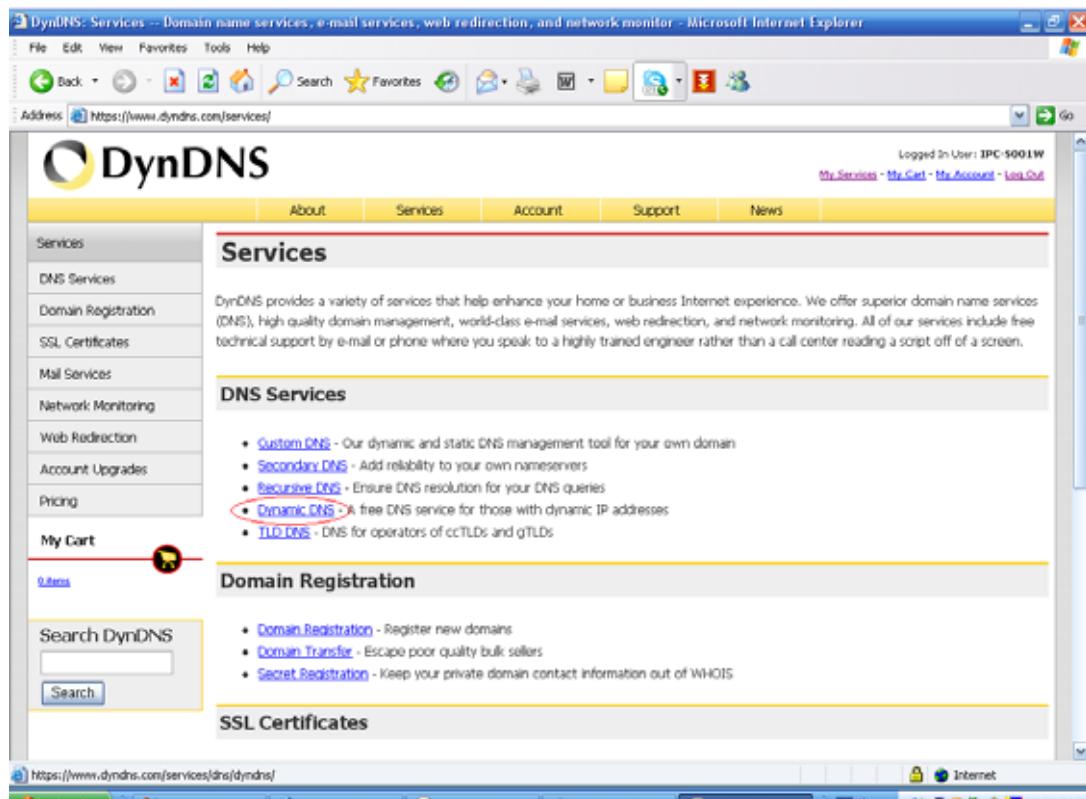
**Terms of Service**

## IPC-S001 USER MANUAL

Log into your account with your user name & password



Click Dynamic DNS

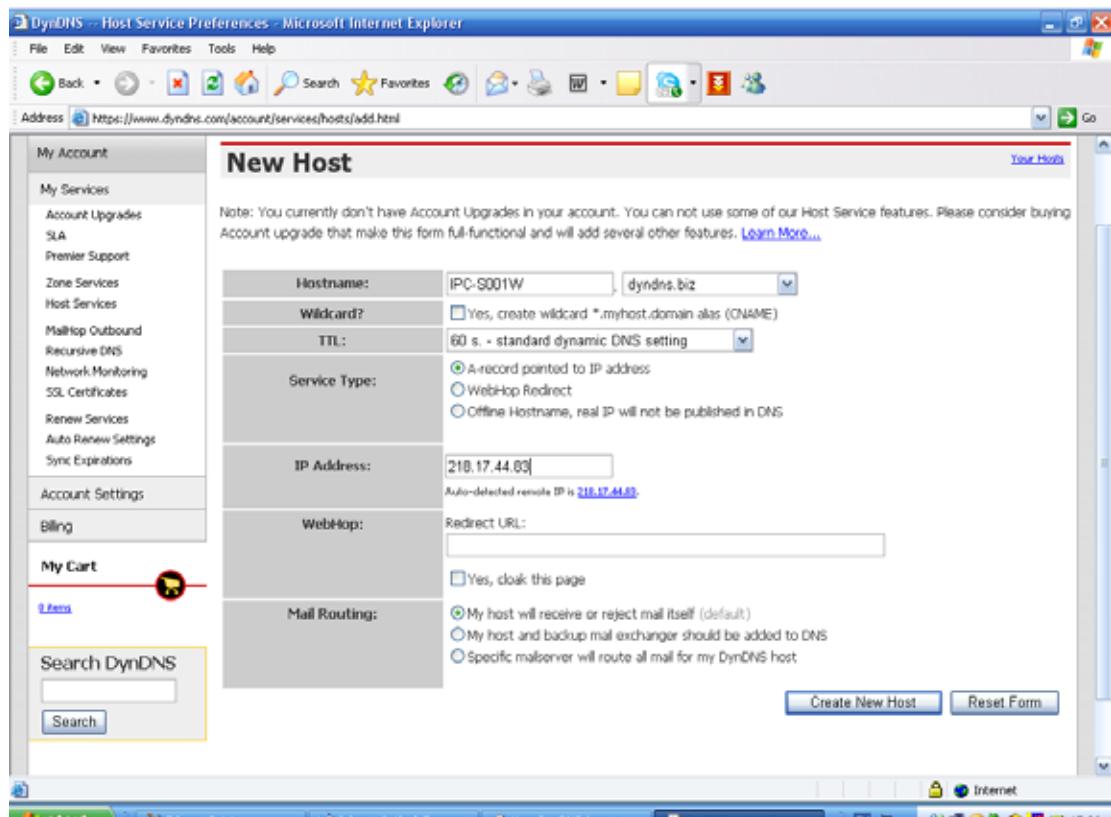


## IPC-S001 USER MANUAL

### Click Create Hosts



Type in host name, IP address, then click Create New Host to finish it



## IPC-S001 USER MANUAL

---

Log into your WebCAM and set DDNS dialog box as below

DDNS Function	<input checked="" type="checkbox"/> enable
DDNS Server	<input checked="" type="radio"/> DynDns
Domain Name	IPC-S001W.dyndns.biz
Account	IPC-S001W
Password	*****

**SAVE**

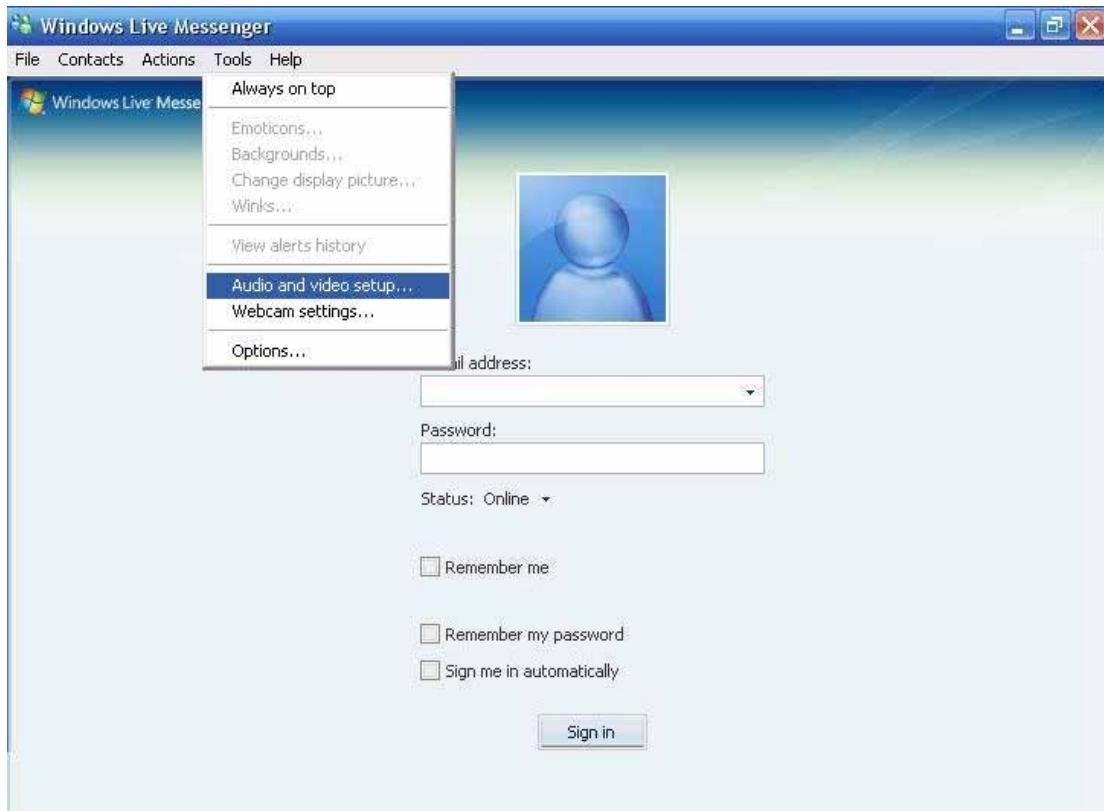
Click save button to finish setting

You can remote access the WebCAM through <http://IPC-S001W.dyndns.biz:100>

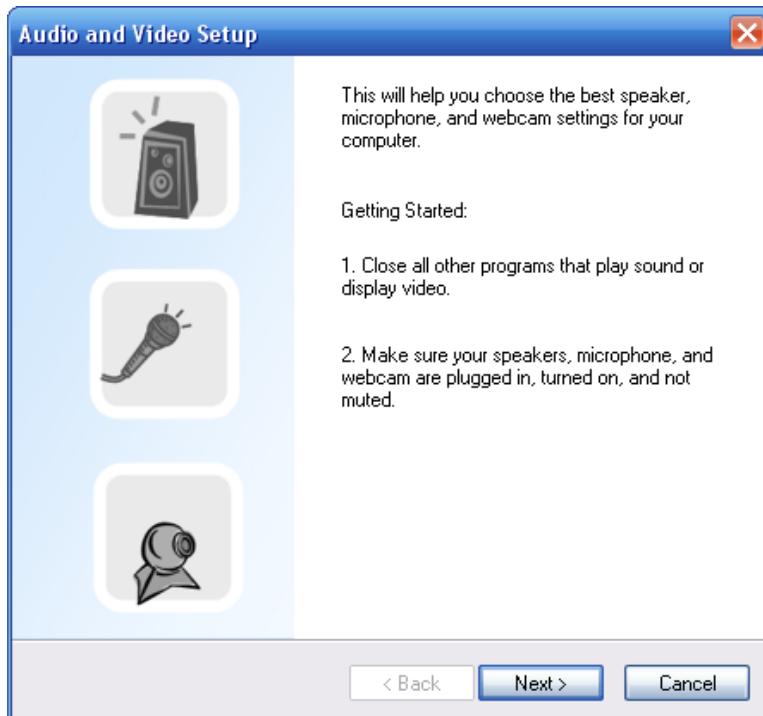
Note: 100 is the http port, you can modify it by Network Search Tool.

## Using IP Camera with MSN Messenger

In MSN, select " Tools " and then " Audio and Video setup "



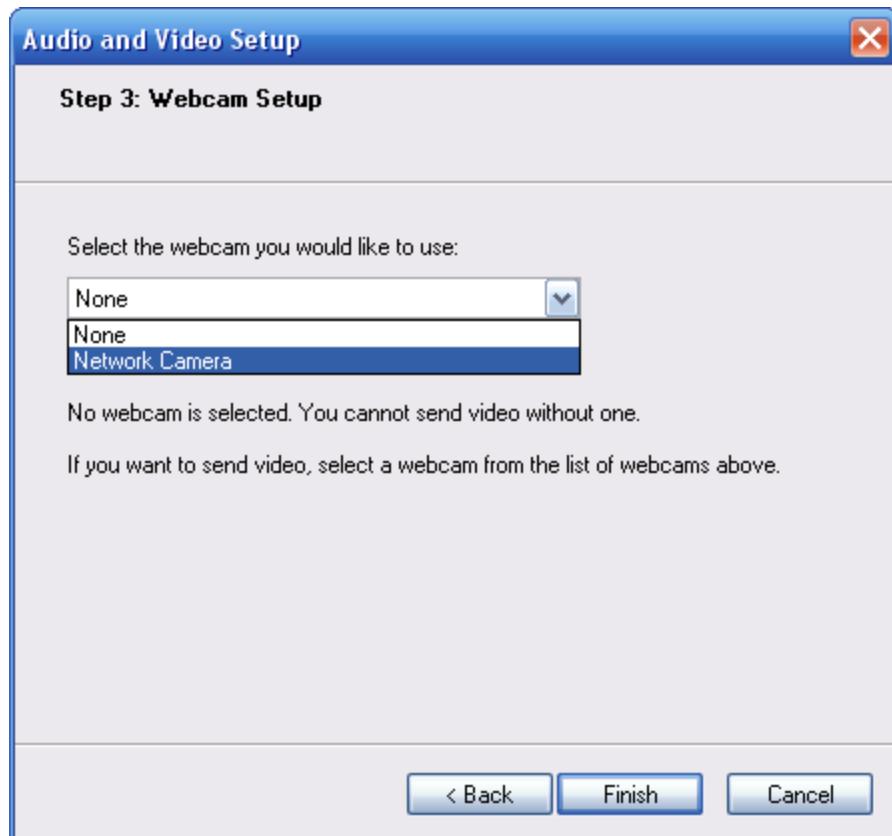
Click next.



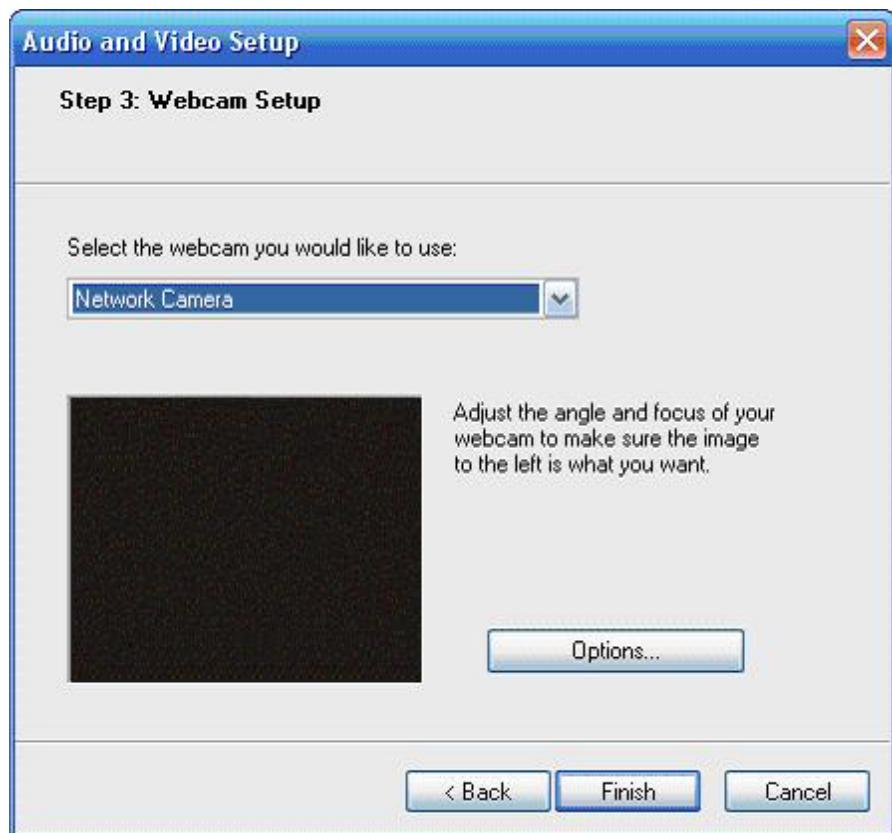
## IPC-S001 USER MANUAL

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Click next to Step 3: Webcam setup. Pull down the menu and select " Network Camera "



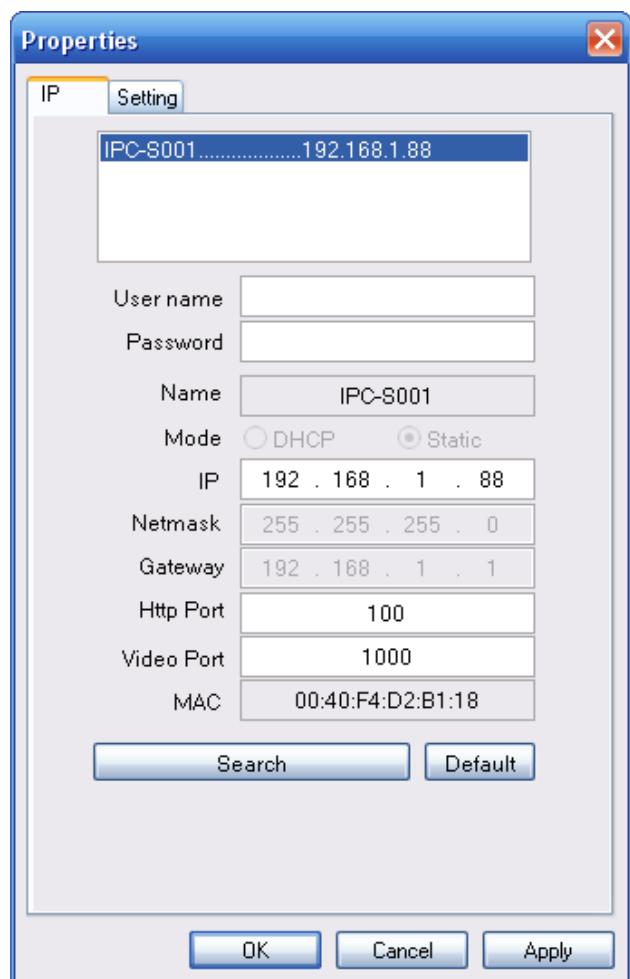
The default screen is blank. Click " Options " to search the IP Camera.



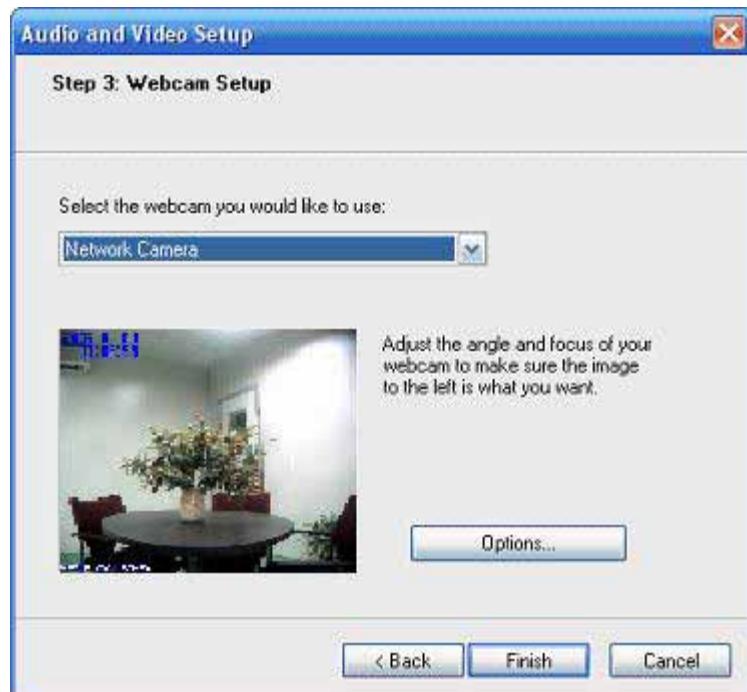
## IPC-S001 USER MANUAL

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Select the IP Camera you like and click OK.

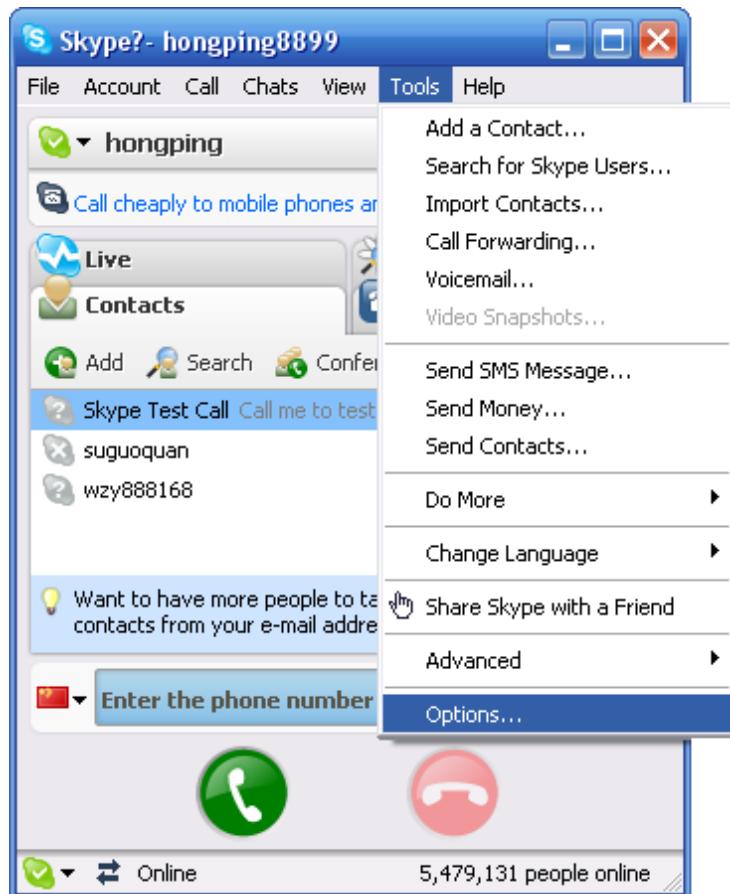


The screen reflects the viewing image of the IP camera. Click finish

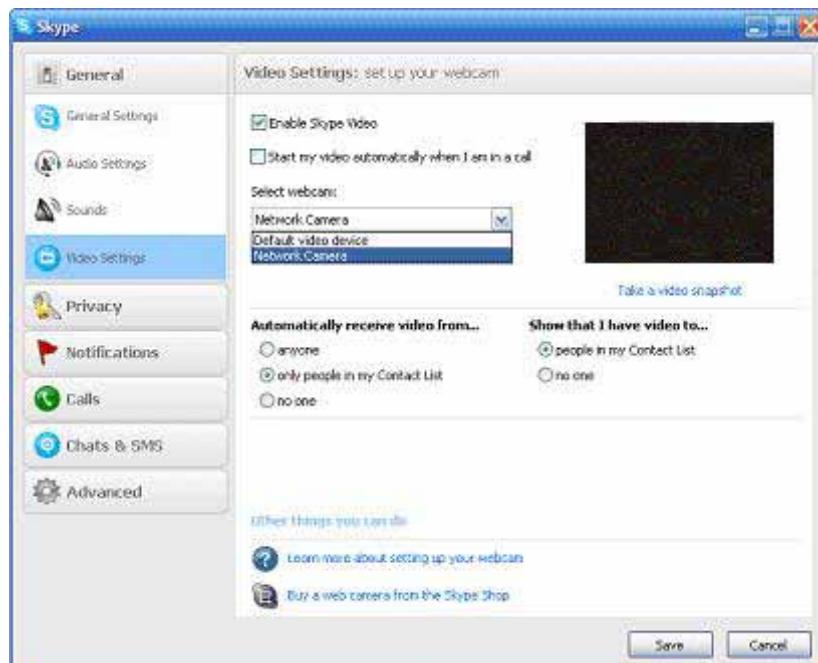


## Using IP Camera with Skype

In Skype, select " Tools " and click " Options " .



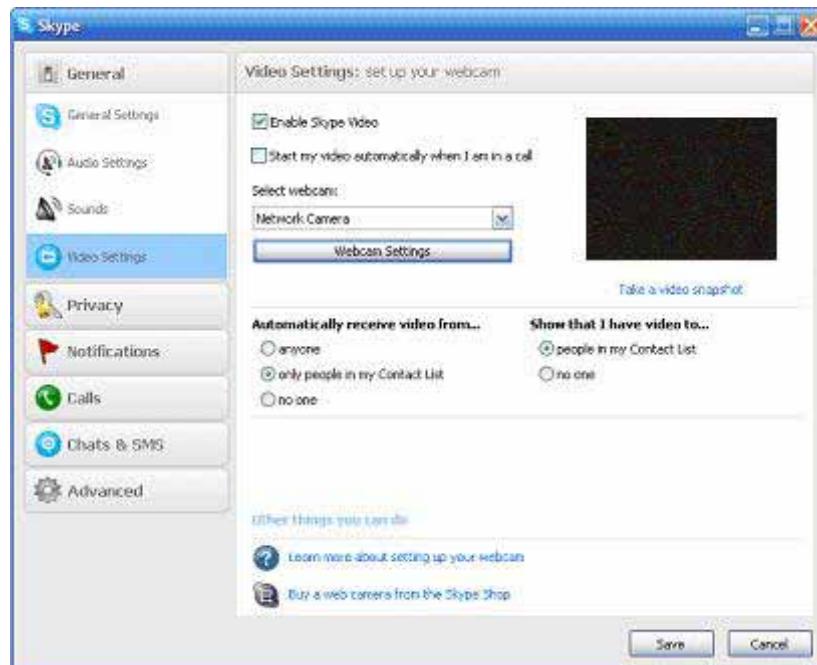
Select " Video (Beta) " tab and pull down to select " Network Camera "



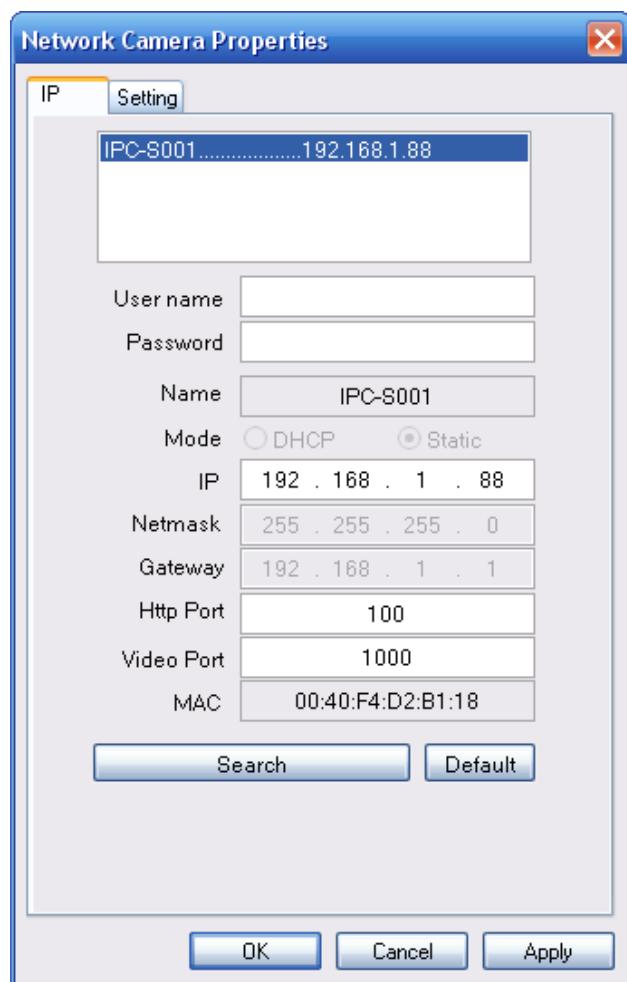
## IPC-S001 USER MANUAL

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Click " Webcam Settings " .



Select the IP Camera and click " OK " .



## IPC-S001 USER MANUAL

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Click "Take a video snapshot".

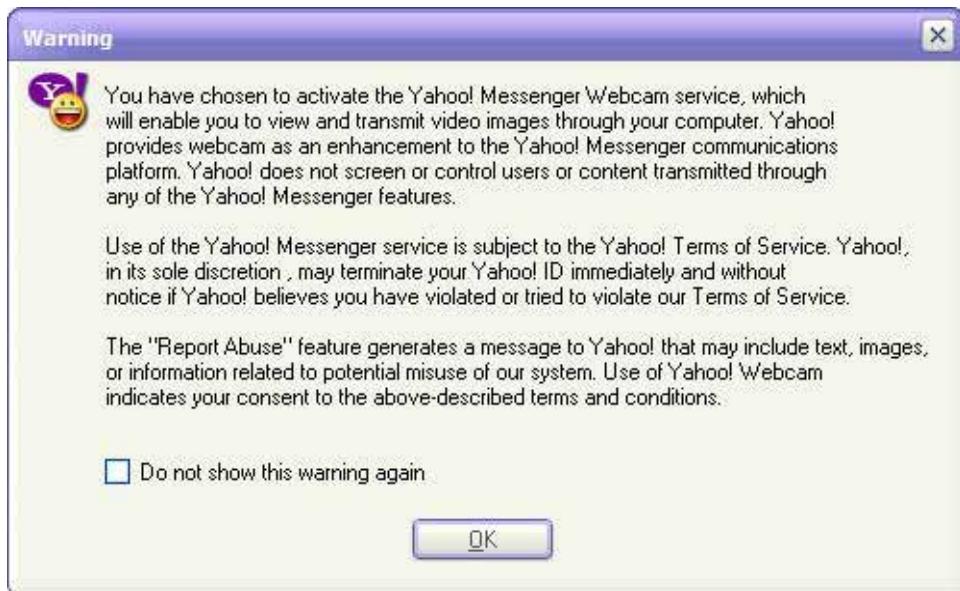


## Using IP Camera with Yahoo! Messenger

In Yahoo! Messenger, select "Messenger" and click "My Webcam".



Click OK.



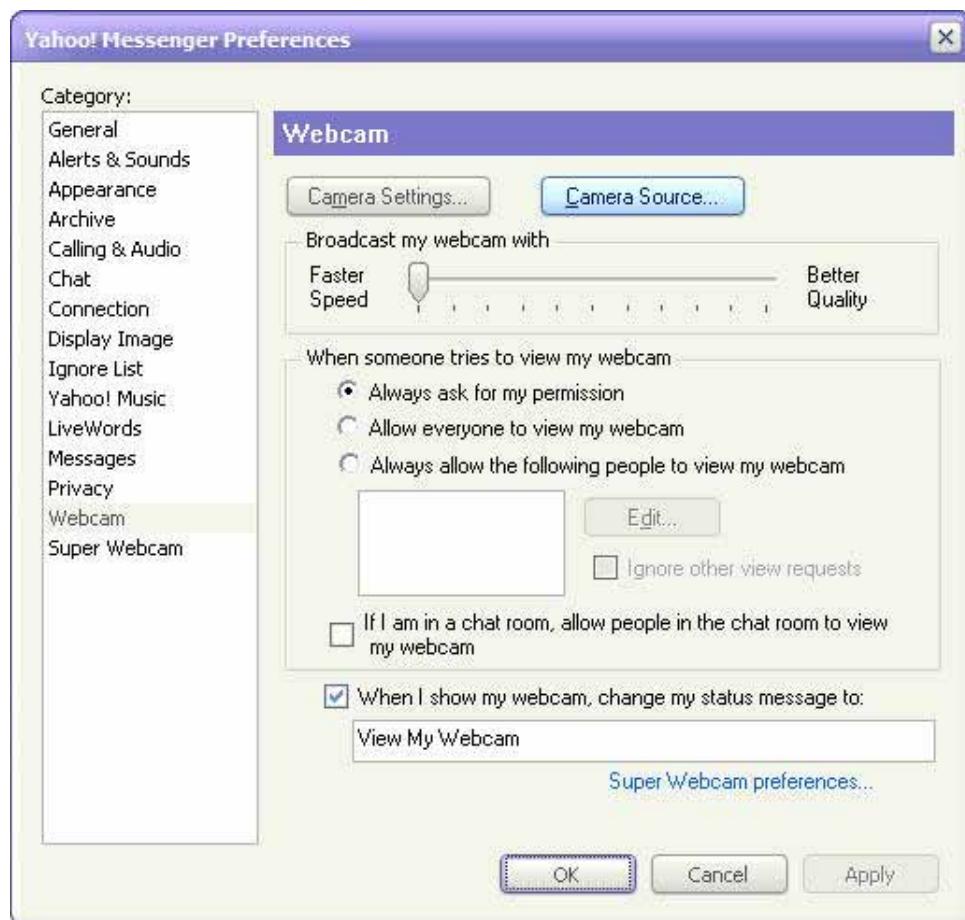
## IPC-S001 USER MANUAL

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Select " File " and click " Preferences " .



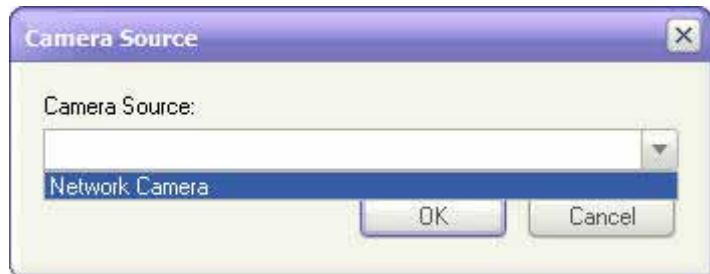
Select " Webcam " tab and click " Camera Source " .



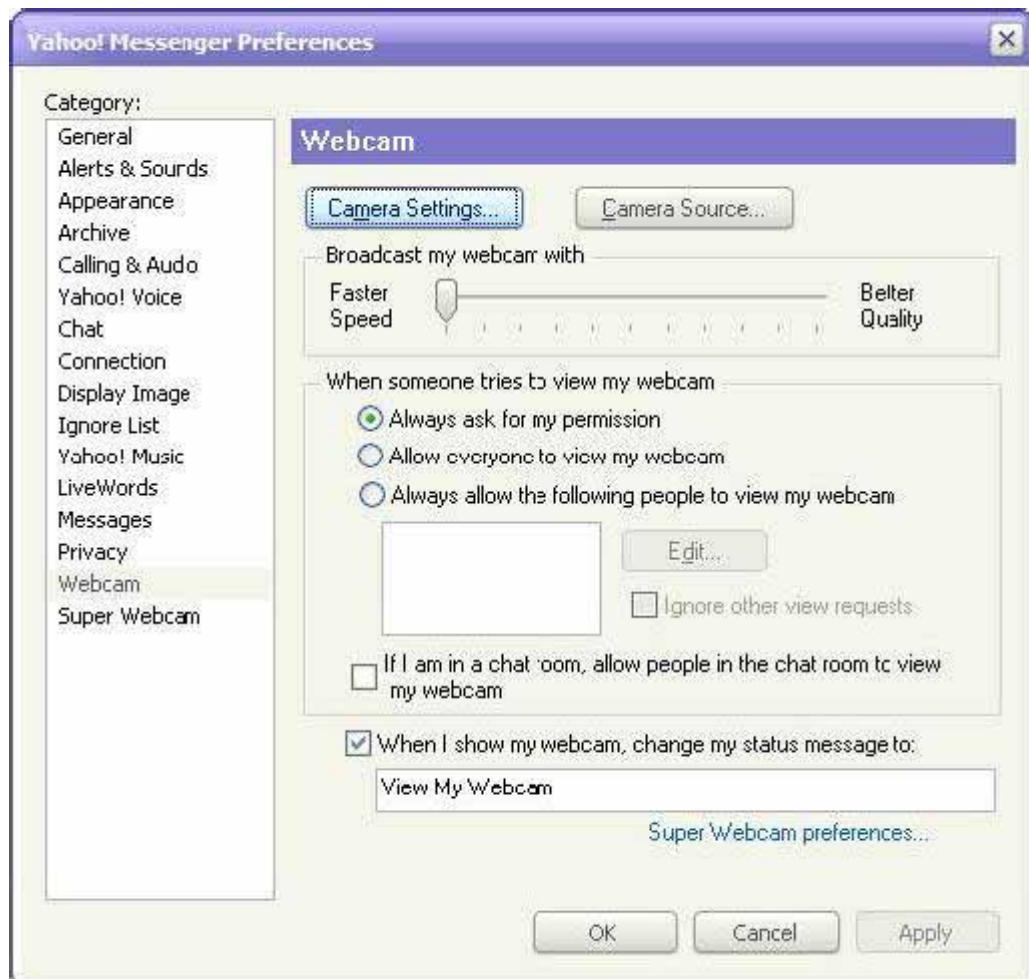
## IPC-S001 USER MANUAL

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Pull down and select " Network Camera " and click OK.



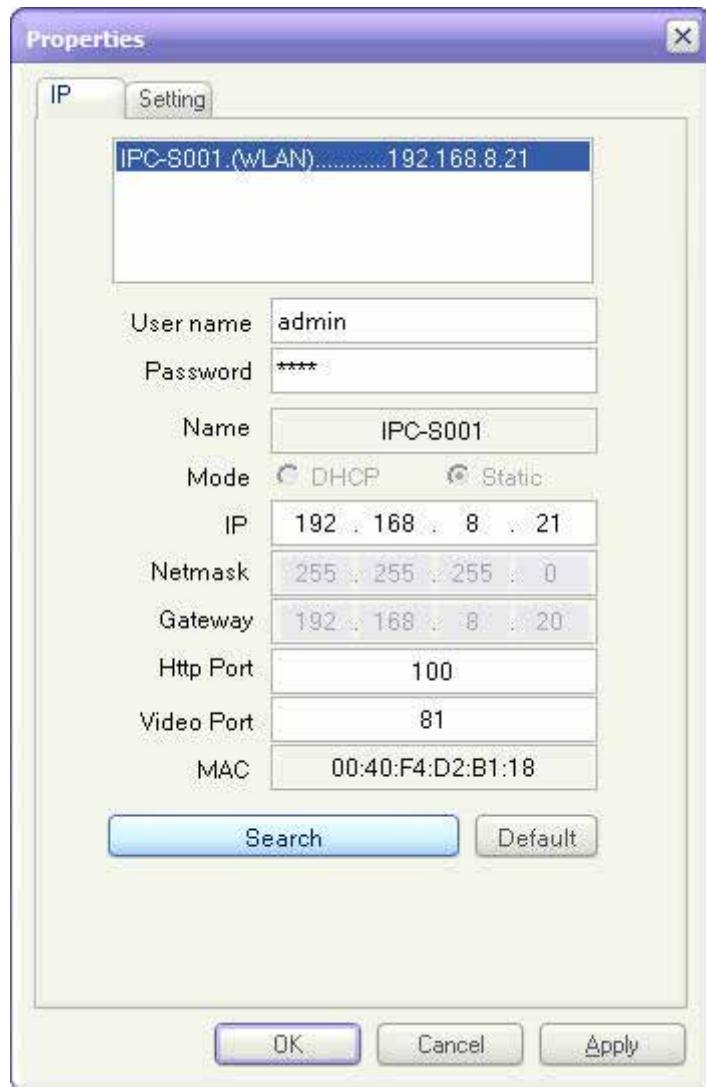
Click " Camera Settings " .



## IPC-S001 USER MANUAL

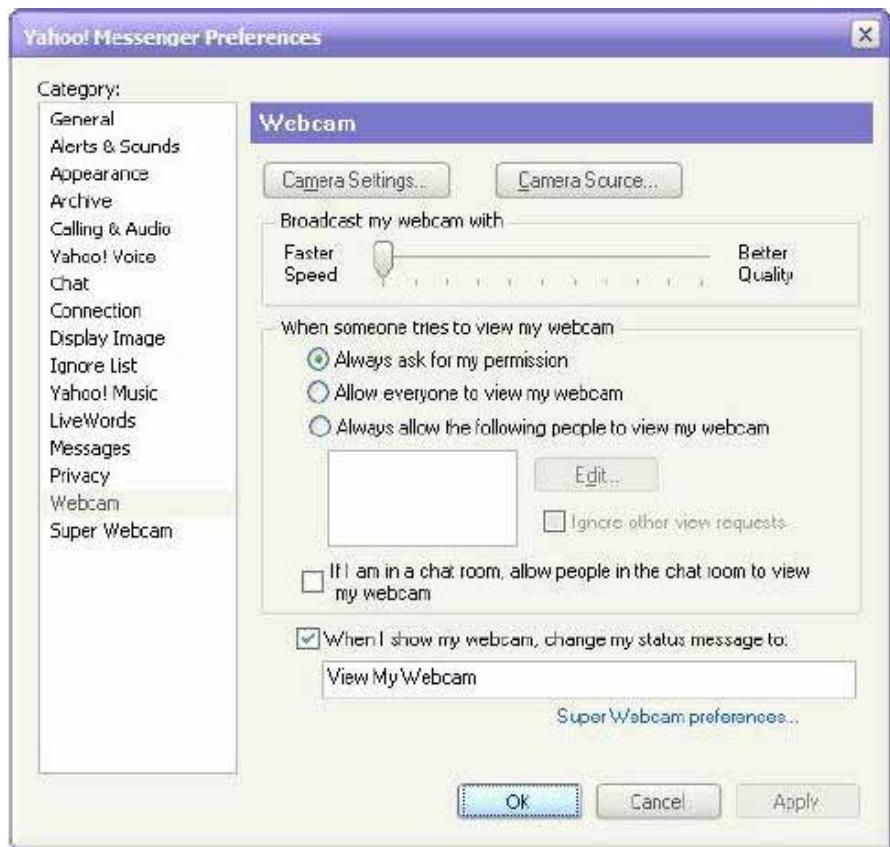
---

Select the IP Camera and click "OK".

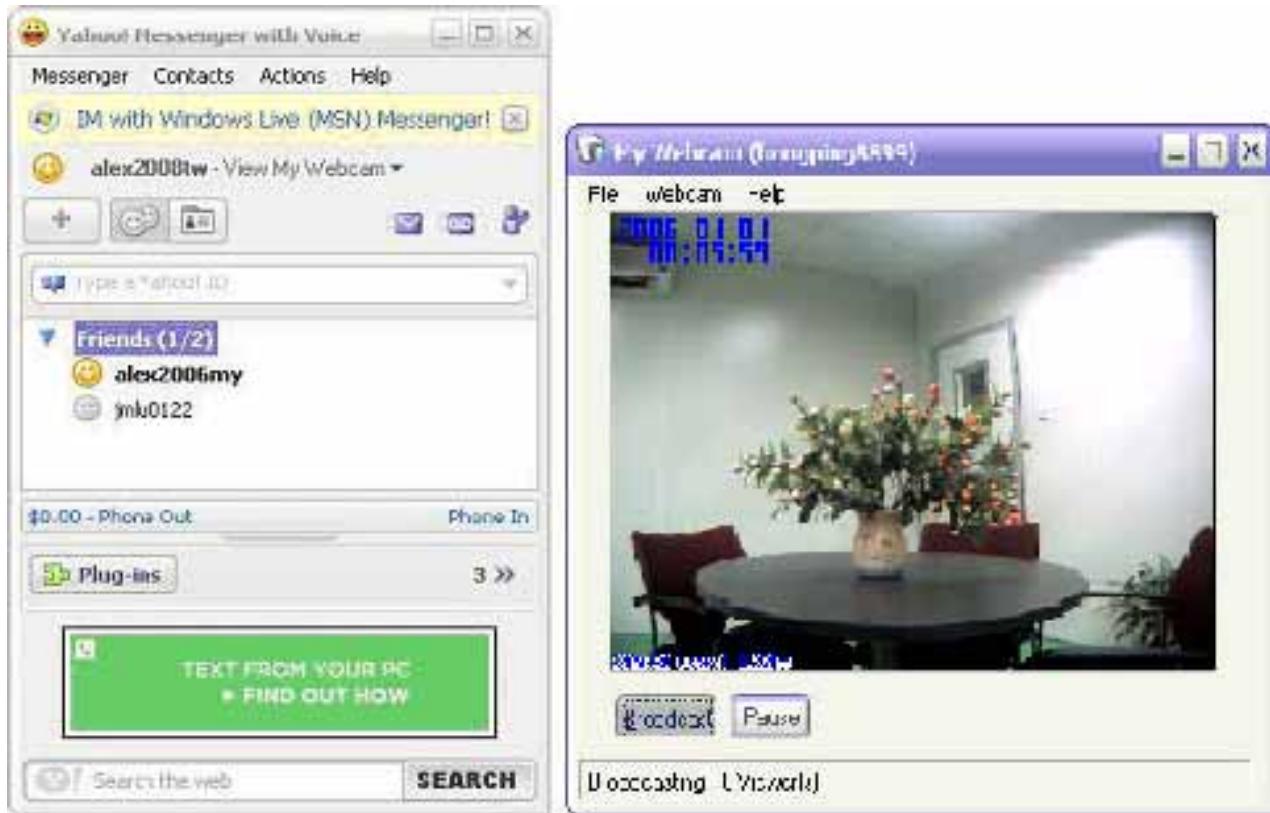


## IPC-S001 USER MANUAL

Click "OK" to finish.



My Webcam shows video from IP Camera.

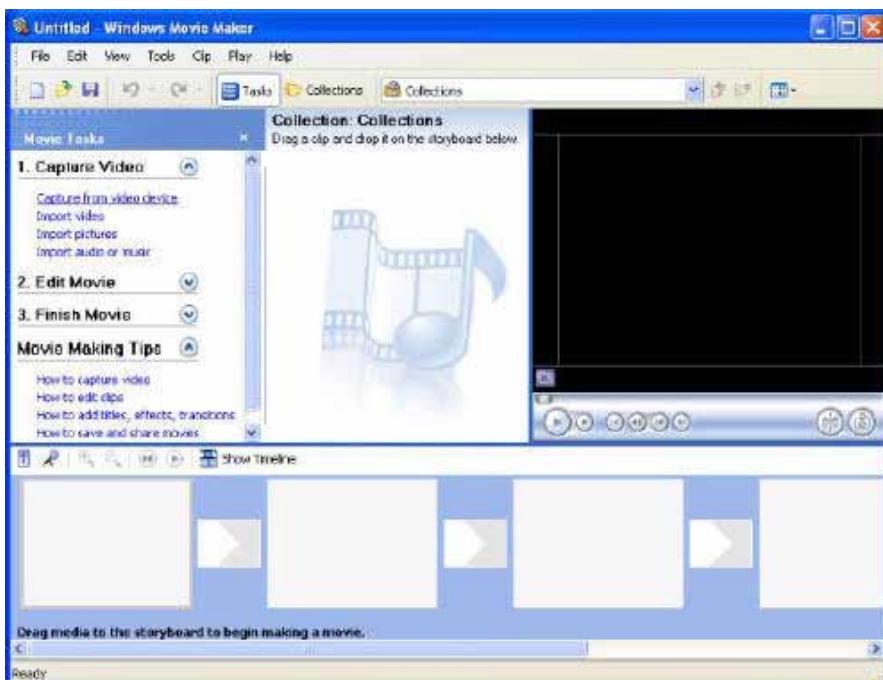


## Using IP Camera with windows Movie Maker

Launch Windows Movie Maker from “ Start ” -> “ Programs ” -> Accessories ” . (Note: windows movie maker is available for Windows XP SP2 or later)

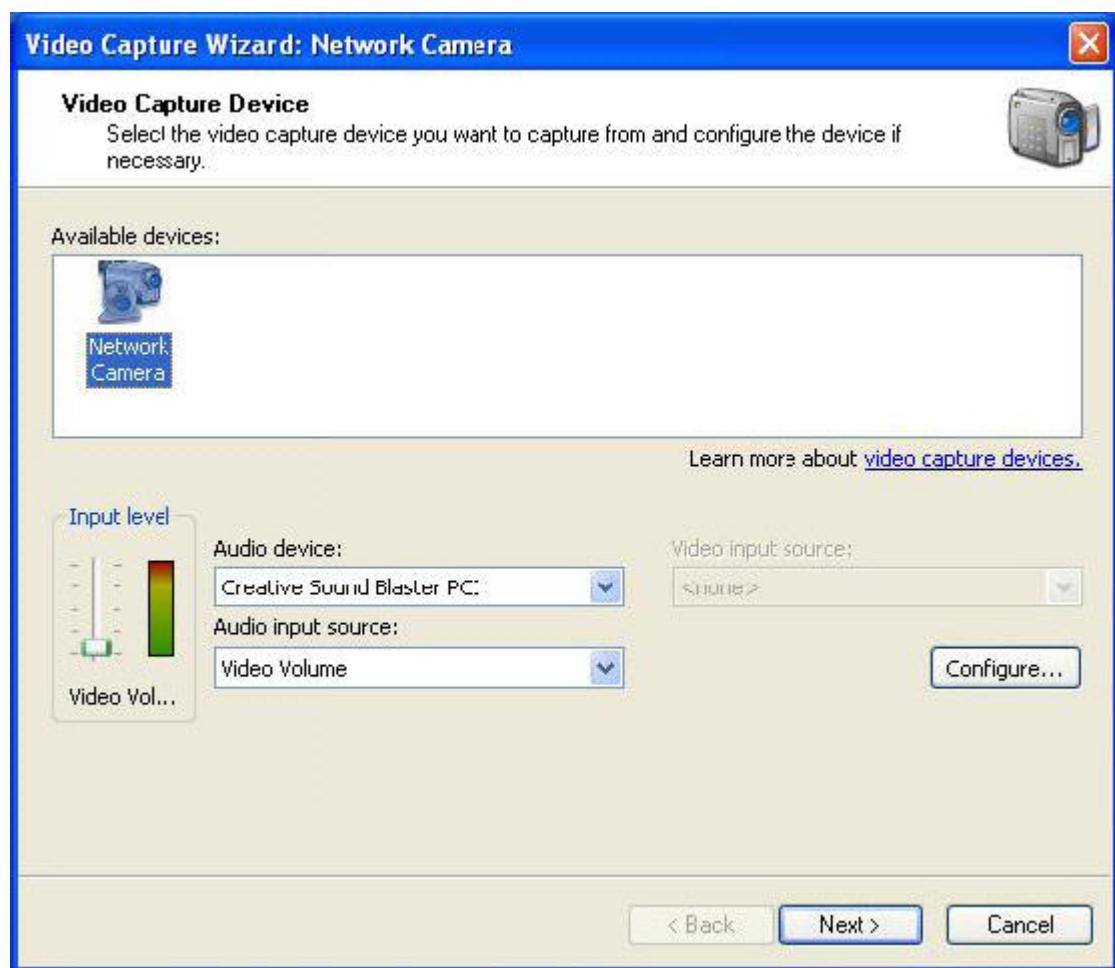


Select “ capture from video device ” .



## IPC-S001 USER MANUAL

Select " Network Camera " and click " Configure " .



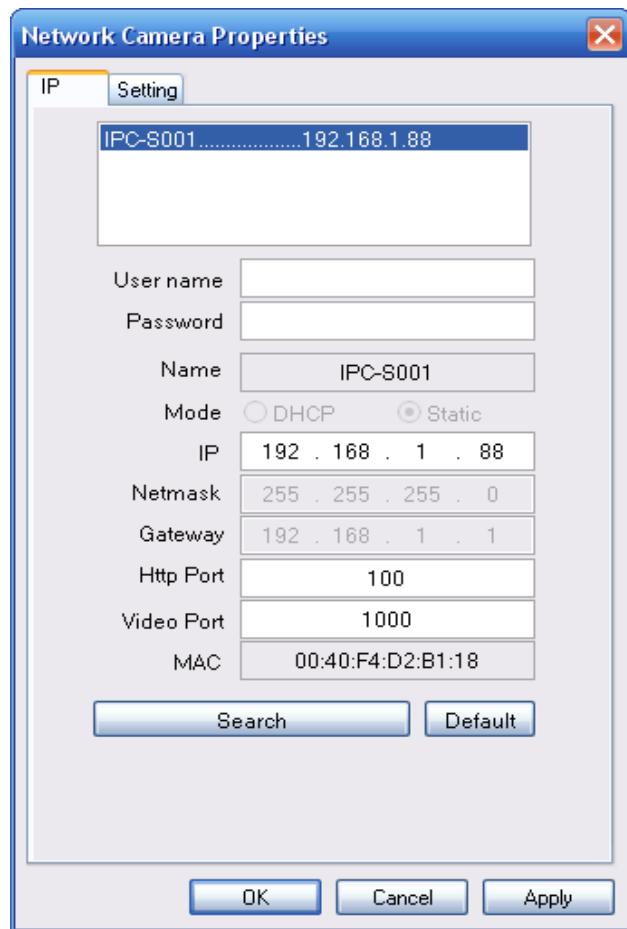
Click Camera Settings.



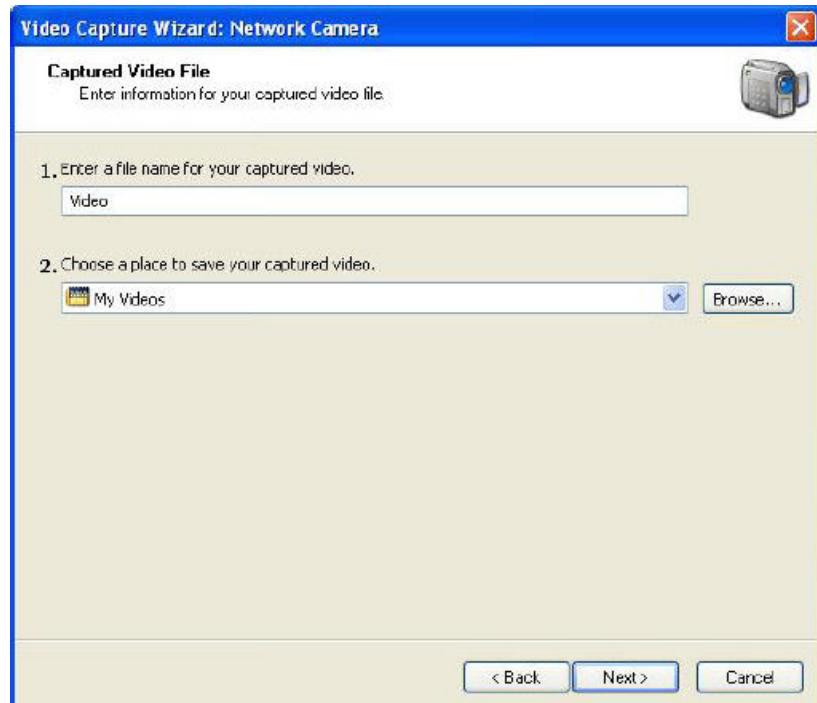
## IPC-S001 USER MANUAL

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Select the IP Camera and click "OK".

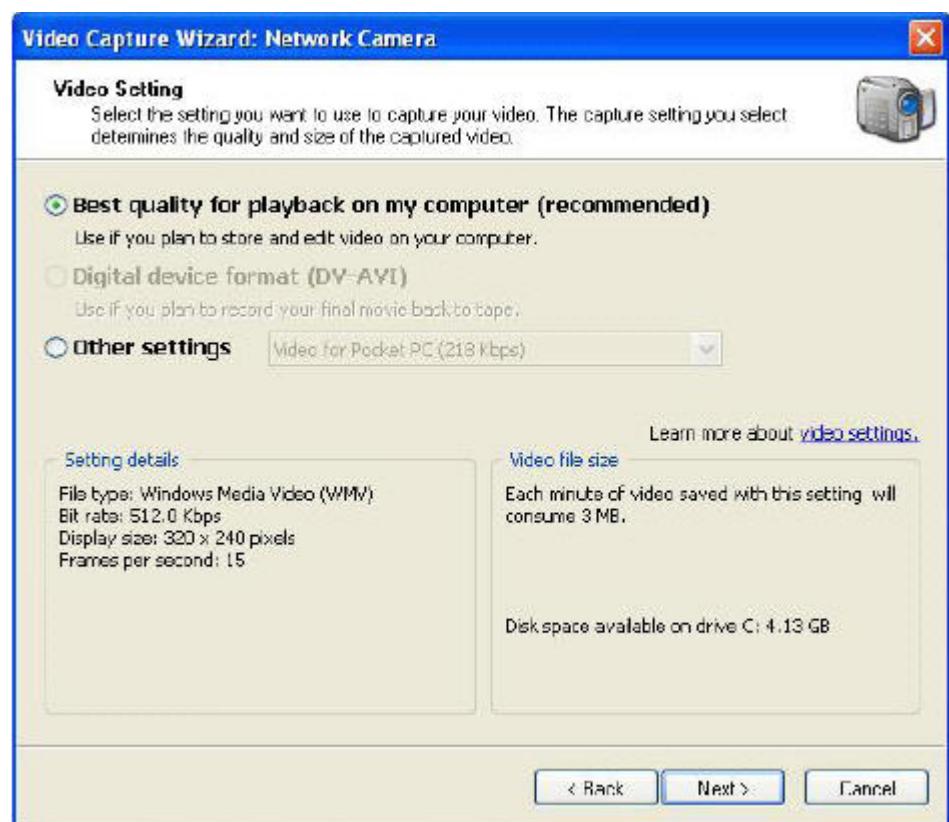


Click "Next".

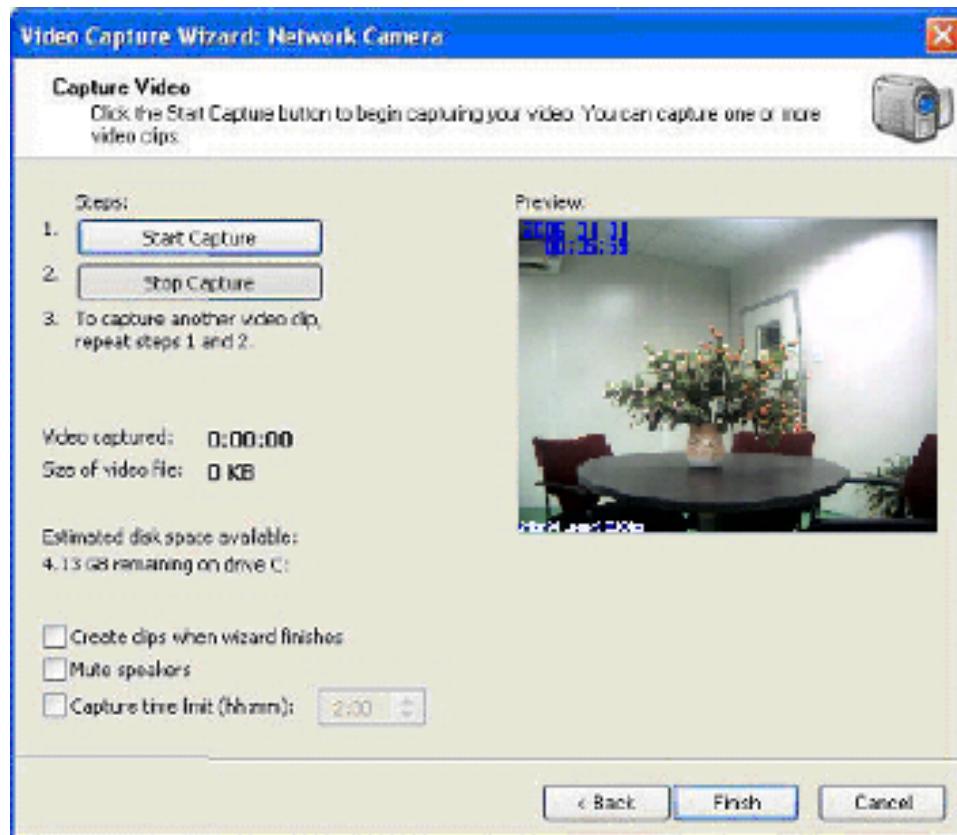


## IPC-S001 USER MANUAL

Click " Next " .

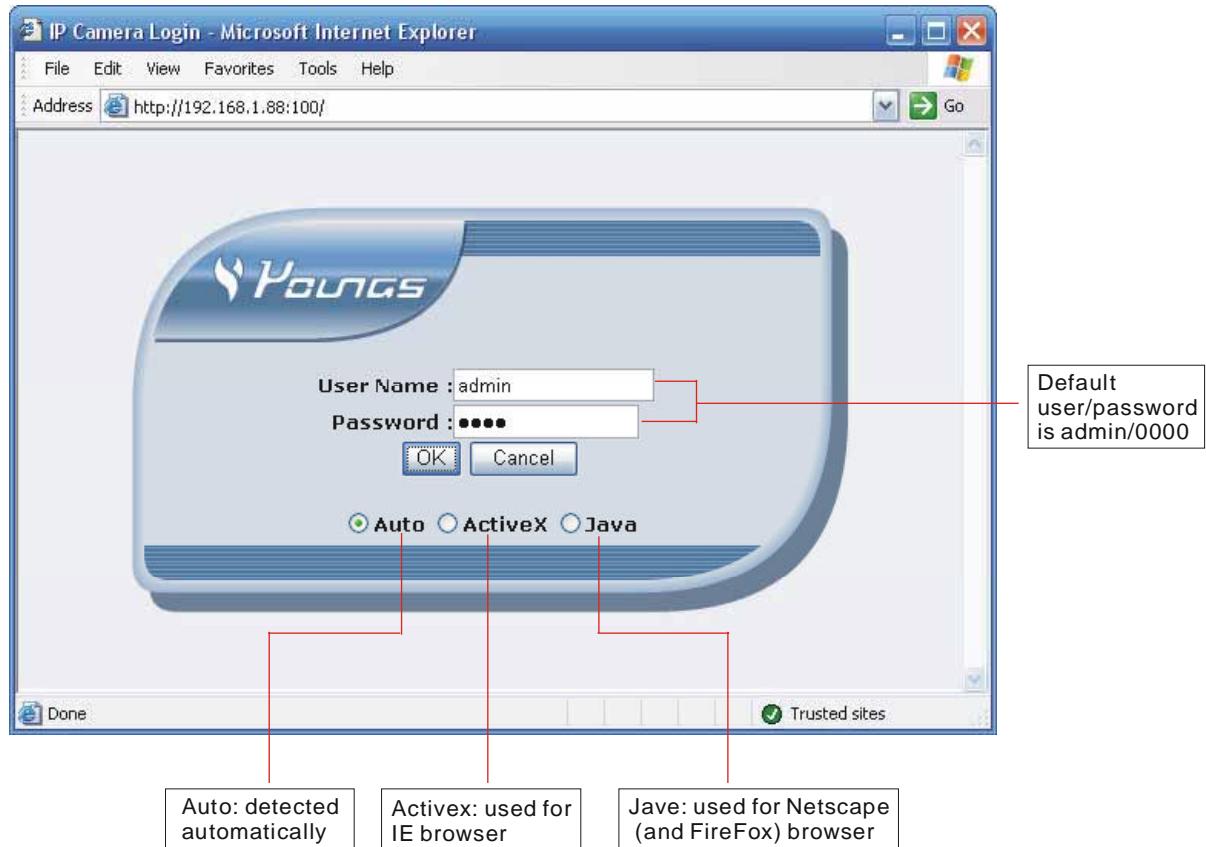


Click " Start Capture " to start recording, " Stop Capture " to stop, and " Finish " when finished.

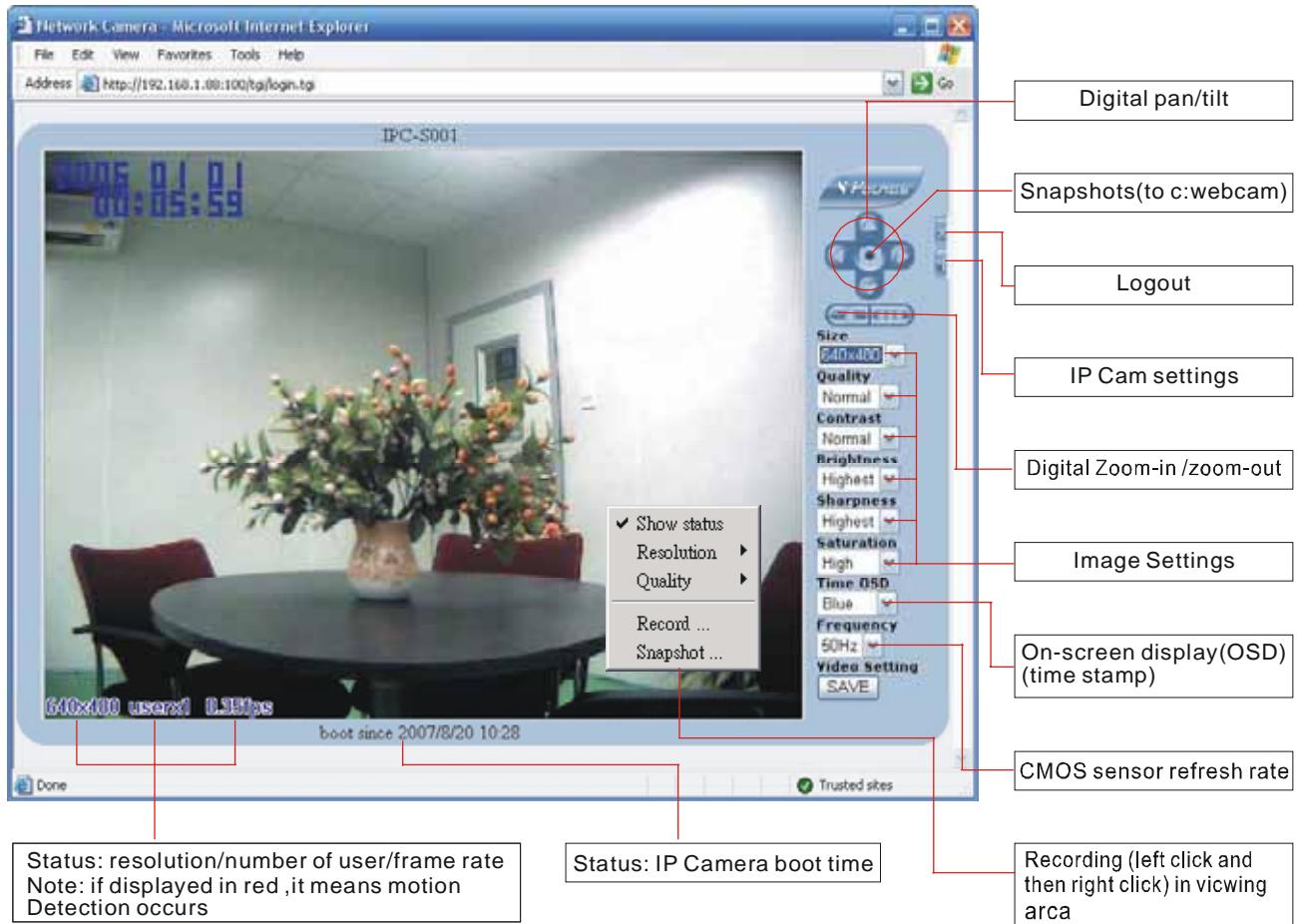


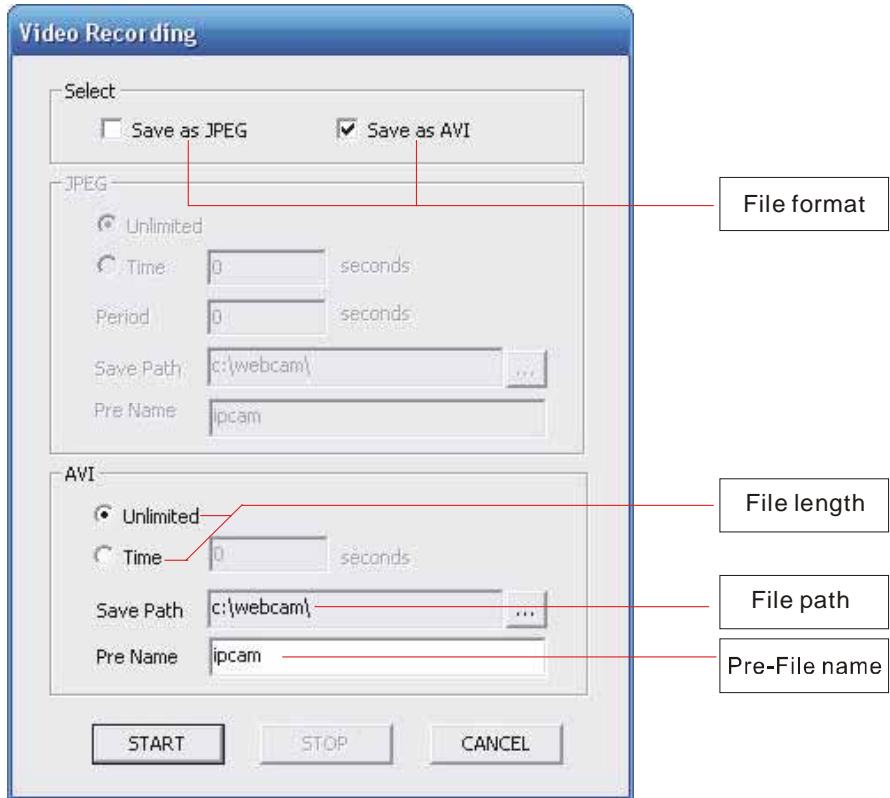
# System Definitions

## Login Window



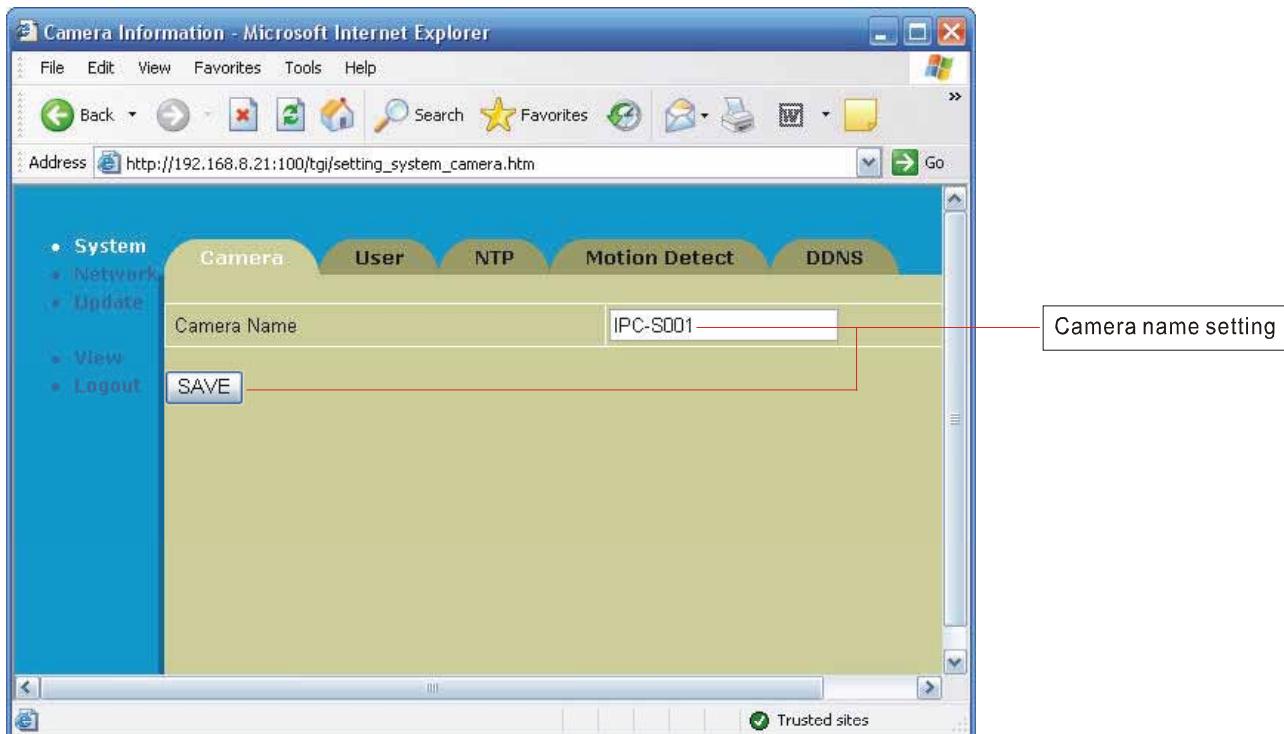
## View Window



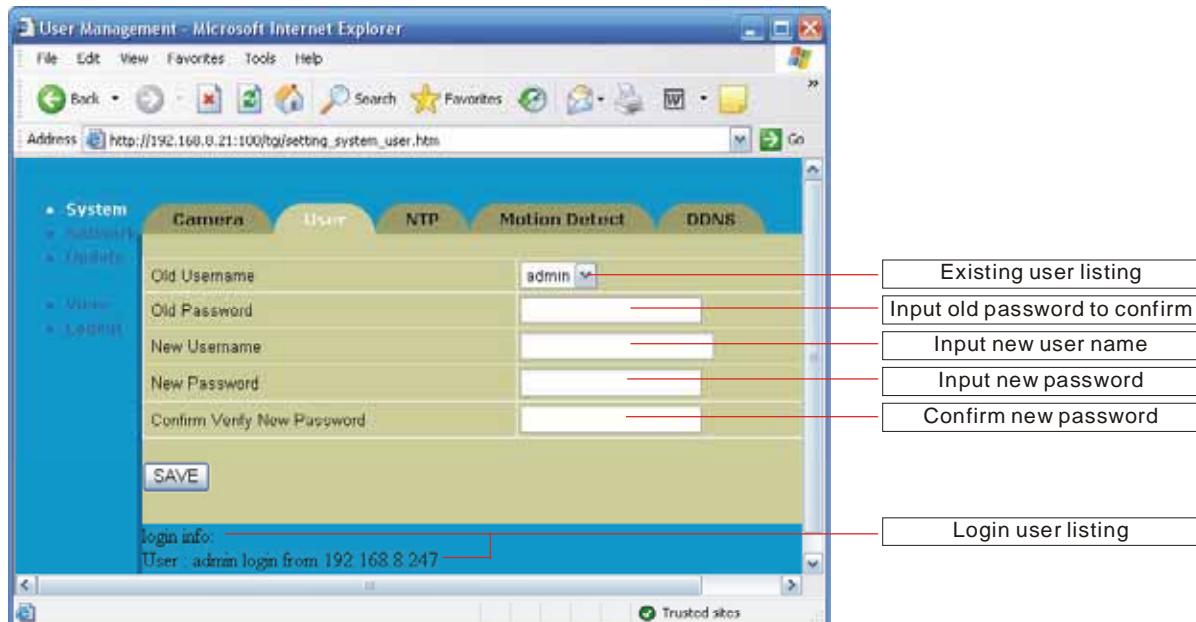


## System

## Camera

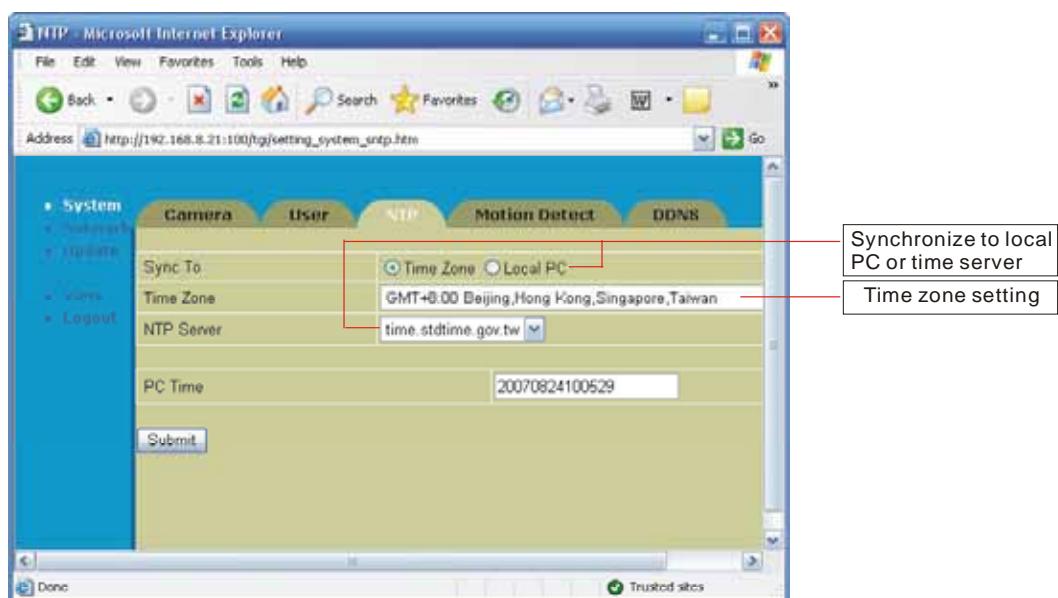


### User

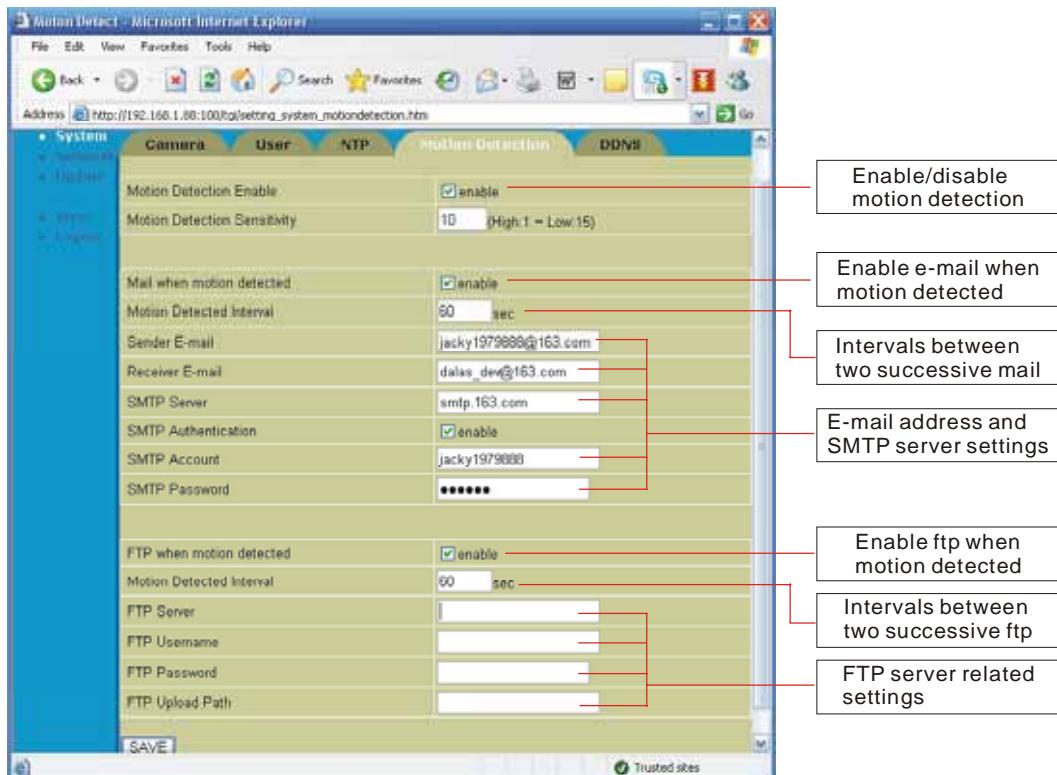


Note: there are pre-defined three users "admin", "user1", and "user2". User "admin" has administrator privilege while others are limited to view only. Also, there can be only one user login on a PC at a time. One user should logout before another user to login.

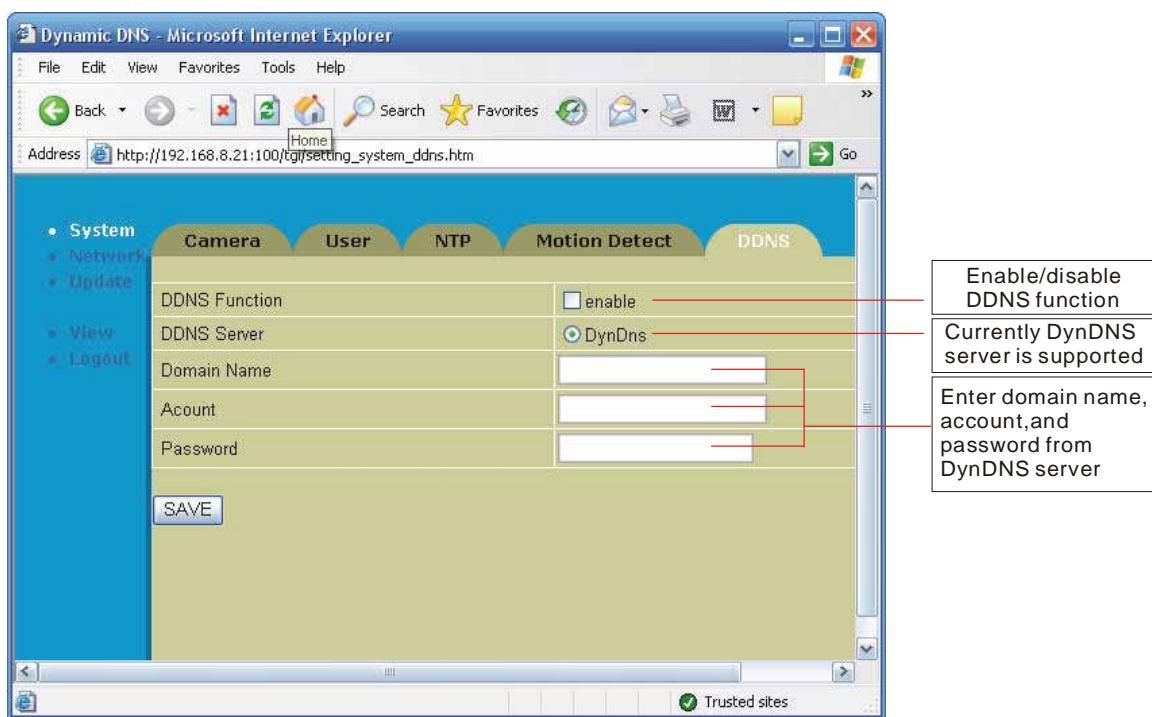
### NTP



## Motion Detection

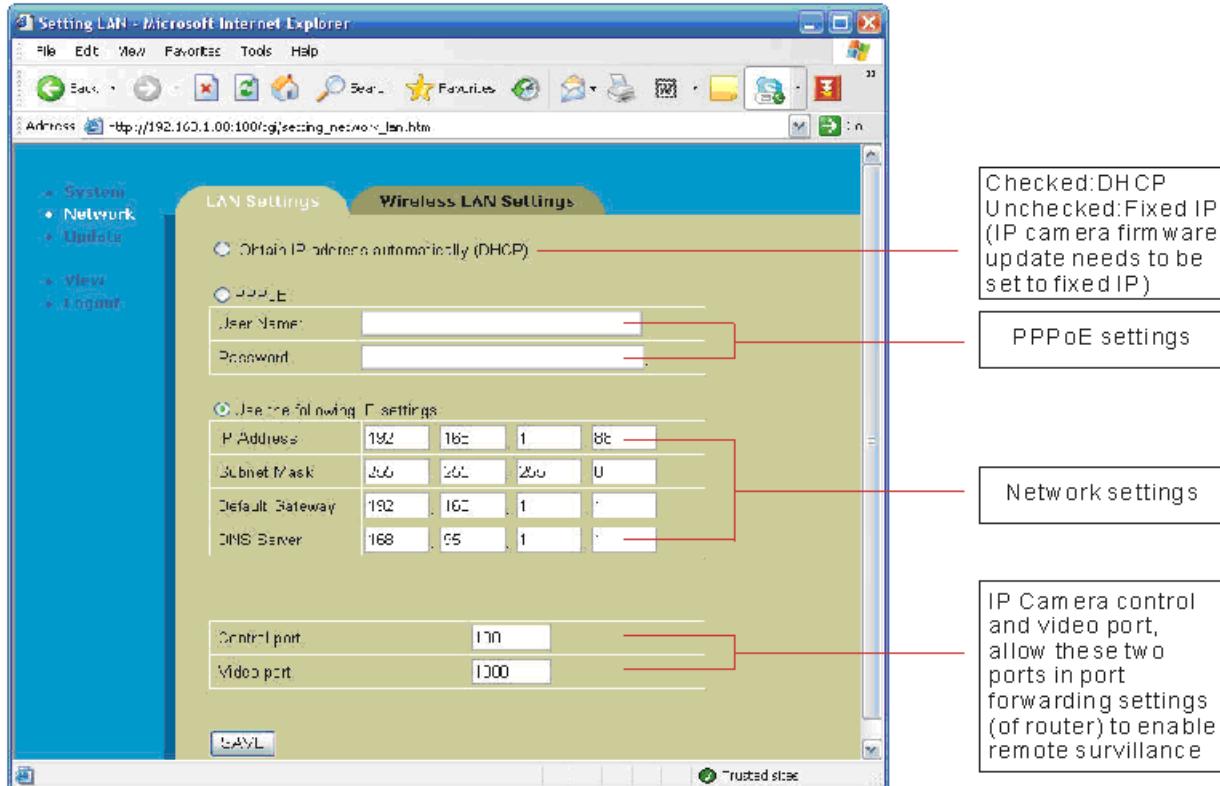


## DDNS



## Network

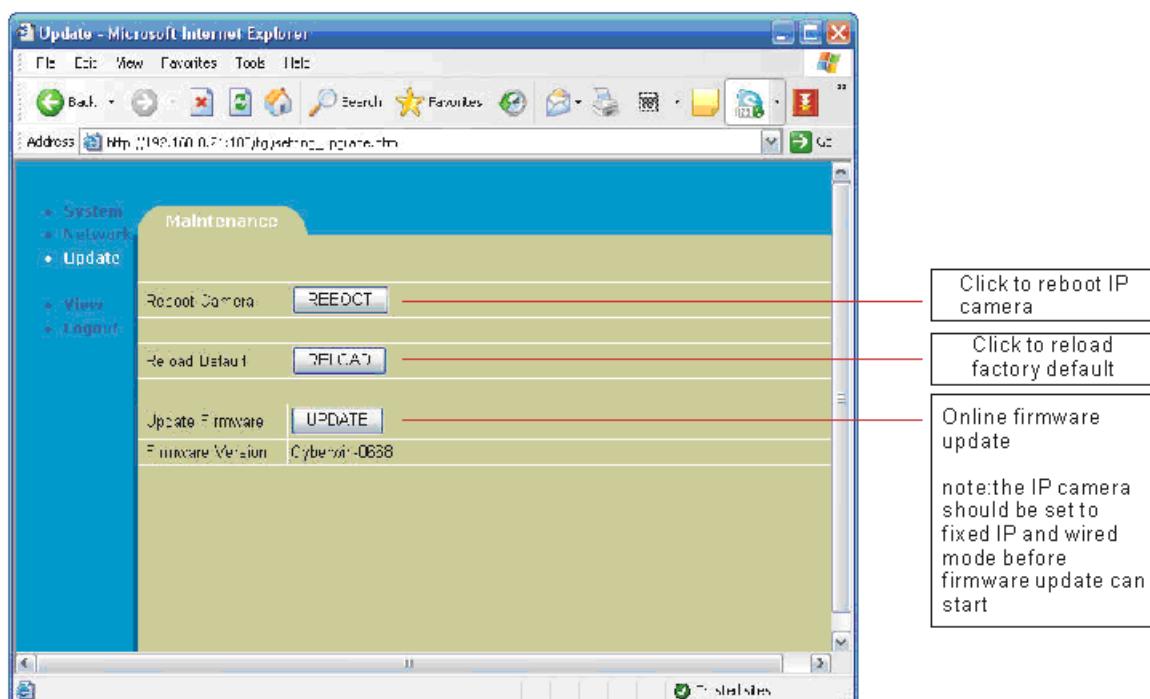
### LAN Settings



## Wireless LAN Settings

The wireless LAN setting is invalid in this model.

## Firmware Update



## Technical Specification

### ***Image Sensor:***

Sensor Type: 1/4" Color CMOS sensor  
Sensor Resolution: 640x480 pixels  
Lens: f: 6.0mm, F:1.8  
Viewable Angle: 60°

### ***Video:***

Image Compression: Motion JPEG  
Image Frame Rate: Up to 20fps@QCIF  
Up to 20fps@QVGA  
Up to 15fps@VGA  
Quality level: 5 levels  
Video Resolution: 160x120, 480x320, 640x480  
Image Setting: contrast, brightness, sharpness and saturation  
Digital Zoom: 2 levels

### ***Hardware:***

MCU: MR8910, TF520  
RAM: 2MB  
Flash ROM: 1MB

### ***Communication:***

LAN Port: RJ45 10/100M Base  
Supported protocols: TCP/IP, SMTP client, HTTP server, FTP client, DHCP client, NTP client, DDNS, PPPOE

### ***Power:***

Power Supply: DC 5V, 2A, External power supply  
Power Consumption: 4.5W @ 900mA/5V(max.)

### ***Environment:***

Operating Temperature: 0 ~50  
Operating Humidity: 20%~85%, no-condensing  
Storage Temperature: -10 ~60  
Storage Humidity: 0%~90%, no-condensing

### ***EMI:*** FCC , CE

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