

TENVIS Technology Co., LTD



User Manual

For MJPEG Cameras

Version 1.0.2

Catalogue

Basic Setup	4
Hardware Installation	4
For Windows.....	4
Advanced Mode.....	4
LAN View.....	6
For Mac.....	10
Basic Operation	10
For Internet Explorer	10
For Other Non-IE Web Browsers	14
Camera Settings.....	15
System	15
About	15
PT Setting.....	16
Backup and Restore Setup.....	17
NTP Setting	17
Misc Setting	18
System Log.....	18
Language.....	19
Changing Password.....	19
System User	19
Update	20
Reboot	21
Network.....	21
IP Config.....	21
WIFI.....	22
DDNS.....	23
Alarm Setting	24
Alarm Setting	24
Email Setting.....	24
FTP Setting.....	27
Recording.....	29
Multi Camera Monitor Configuration	30
Wireless Settings	31
For Windows.....	31
For Mac.....	31
Web Browser Internet View	33
For Windows.....	33
For Mac.....	33
Mobile Phone View	34
For LAN View	34
For Internet View.....	34
Attached List	35

3 rd Party DDNS Settings	35
DynDns DDNS Settings.....	35
NO-IP DDNS settings.....	37
Port Forwarding of Common Routers.....	41
For 2wireRouter.....	41
For Actiontec Routers	43
For Apple Airport Extreme or Time Capsule.....	44
For BT BTHomeHub Routers	46
For D-link Routers	48
For FRITZ!! Routers	49
ForHuawei Routers	49
For Linksys W Series Routers	50
For Movistar Routers	51
For Netgear Routers 1.....	51
For Netgear Routers 2.....	54
For Netgear Routers 3.....	56
For O2/ Thomson routers	57
For Sky/Sagmen Routers.....	58
For Speedport Routers 1.....	60
For Speedport (Deutsch) Routers 2	61
For TP-Link Routers 1.....	64
For TP-Link / Binatone Routers.....	65
For Virgin Routers 1	66
For Virgin Routers 2	67
For Webtell Routers.....	68
For Zyxel Routers	71

Notice: Certain functions mentioned in this manual may vary according to camera's model. For example, pan and tilt function are for Pan/Tilt enabled cameras only.

Basic Setup

This section will focus on connecting your IP camera, software installation and basic network configuration. Other settings and operation will be explained in later chapters.

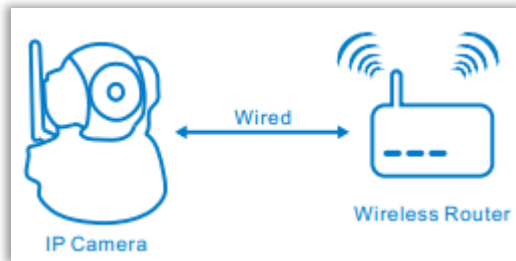


Notice:

For your security, please update the camera's default password once you finish the following procedure and you can turn to camera settings for reference.

Hardware Installation

Open the package. Mount the antenna (for cameras with detachable antenna). Connect the camera to your router by a network cable and plug it in with the provided AC adapter.



For Windows

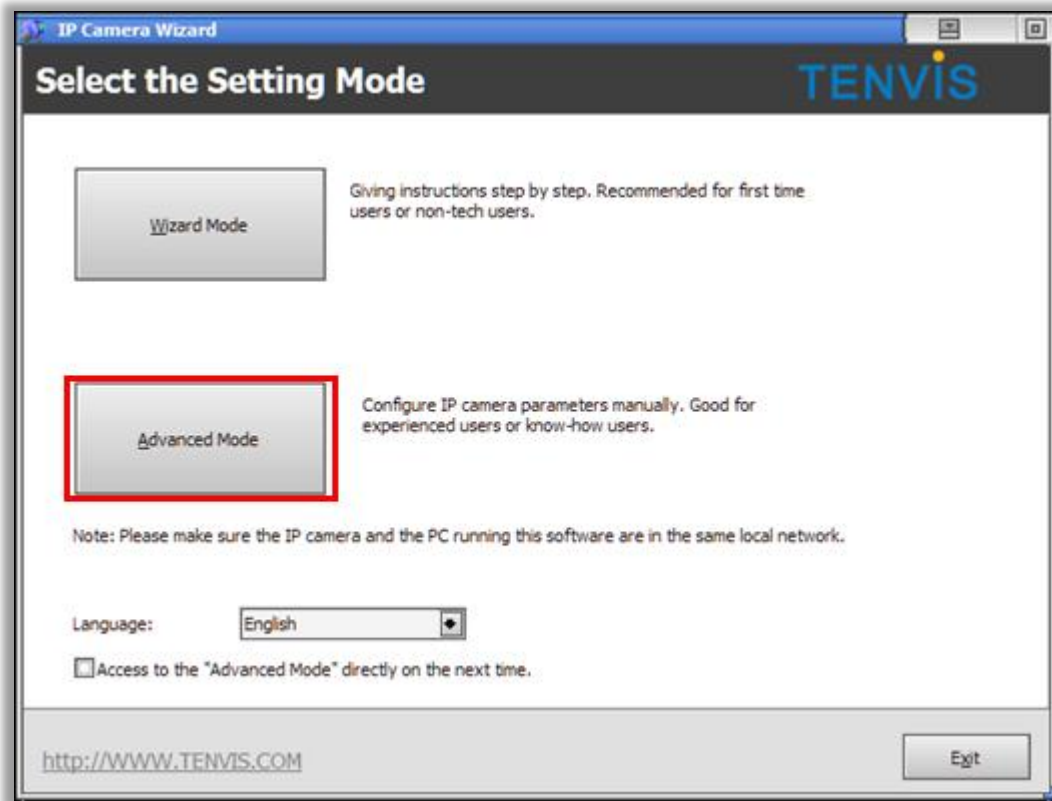
For basic installation, please turn to Page 2 of Quick Start Guide and follow the software **IP Camera Wizard** step by step.

If you are familiar with IP camera or skilled in basic network configuration, you could also set up the camera in advanced mode.

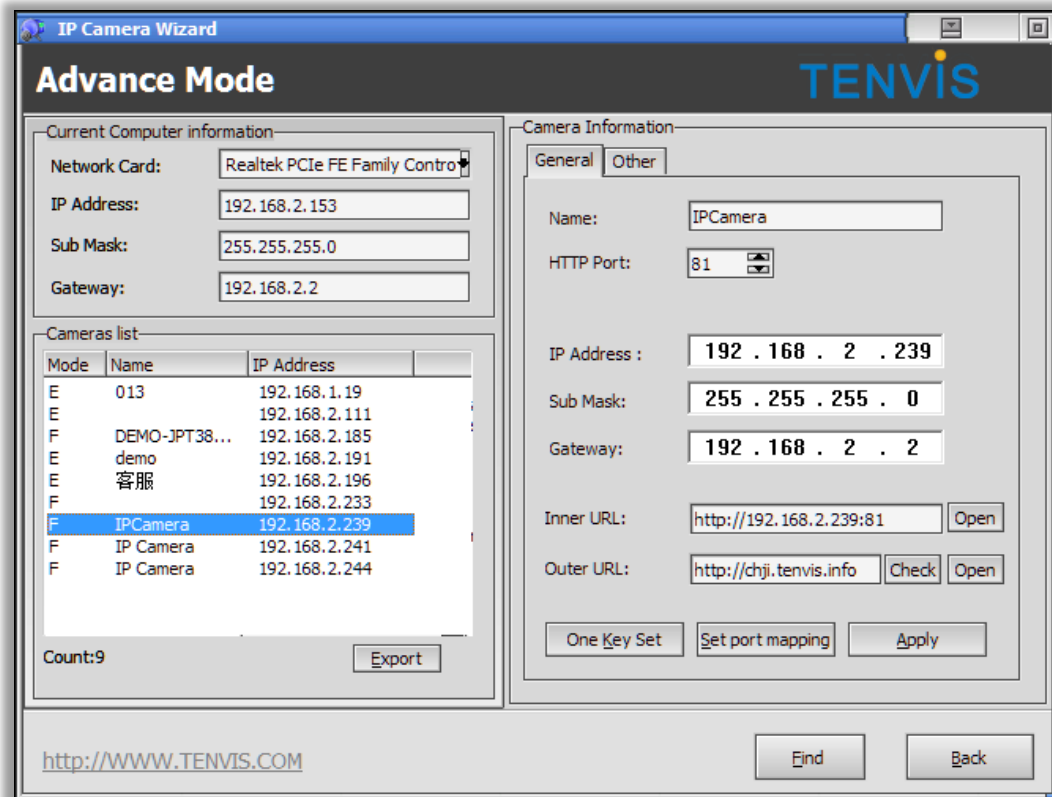
Advanced Mode

It will be much easier for you to set the camera LAN view and port forwarding in advanced mode.

1. Double click the icon **IP Camera Wizard**.
2. Open the wizard and select advanced mode.



3. Advanced Mode Instructions



Current Computer information

Your computer's network information is set for you to adjust the camera's basic network settings.

Network Card	Software will detect the network card connecting to Internet automatically. If the appeared Network card is not the one you are using, please correct it manually.
IP Address	Your computer's IP address
Subnet Mask	Your computer's subnet Mask
Gateway	Your computer's Gateway

Current List

A list of the cameras in your local network

Mode	Camera's series number. This user manual is for F series cameras
Name	Camera's display name which is set to distinguish it from other devices on your network
IP Address	Camera's local network IP address that is used to view the camera in the same local area network. Specify a unique IP address for your network camera.

Camera Information

Name	Camera's display name which is set to distinguish with other devices on your network
HTTP port	Camera's communications port which is set to send video and audio data
IP Address	Camera's local network IP address, which is used to view the camera on the same local network. Specify a unique IP address for your network camera.
Sub Mask	Specify the mask for the subnet the network camera is located on
Gateway	Specify the IP address of the default gateway (router) used for connecting devices attached to different networks and network segments
Inner URL	Camera's LAN view URL. You can click Open to view the camera in your local network
Outer URL	Camera's remote view URL. You can click Open to view the camera from Internet after you finish the following configuration procedure.

LAN View

Click Open button of Inner URL and open the camera's image from browser. Fill in the camera's username and password. Then you will get the live image of the camera. For the further operation and configuration, please turn to the latter part of this user manual.

Inner URL:

Outer URL:

If it failed to connect to the camera via browser, please adjust the camera's network setting.

1. Pick the correct network card in Current Computer information. Select your preferred IP camera from the Current List. (The default IP address of TENVIS IP camera is 192.168.1.239)

E	013	192.168.1.19
E		192.168.2.111
F	DEMO-JPT38...	192.168.2.185
E	demo	192.168.2.191
E	客服	192.168.2.196
F		192.168.2.233
F	IPCamera	192.168.2.239
F	IP Camera	192.168.2.241
F	IP Camera	192.168.2.244

2. Then modify the camera's network setting in Camera Information.

Name:

HTTP Port:

IP Address:

Sub Mask:

Gateway:

3. If you are not sure how to modify the camera, please click **One Key Set. IP Camera Wizard** will detect the computer's network information and then modify the camera's network automatically.

4. Click **Apply** and then enter the camera's username and password. The camera's default username is admin. There is no password by default, so leave the password field blank.

Validate Authentication

Please input the camera's account and password.

Account:

Password:

Default username is "admin", password is blank.

5. After clicking **OK**, you are able to view the camera in LAN after clicking **Open**.



Notice:

1. For Windows 7 users, if you could not find the IP Camera Wizard icon on the desktop after installing the software, please search it in the Start menu.
2. If you could not find the camera from the list, please check the following the below procedure.
 - a. Connect the camera to the router via network cable.
 - b. Disable the firewall and antivirus software of the computer such as AVG and McAfee.



Tips:

1. If your computer detects any virus when you download the searching software, the reason is that the software has been regarded as the virus when it scans the devices in LAN. We promise that there is no virus for the software downloaded from our official website or in CD. Please rest assured.
2. Please disable your computer's firewall and security software before you install the software.

If One Key Set is not working, please set up IP address manually.

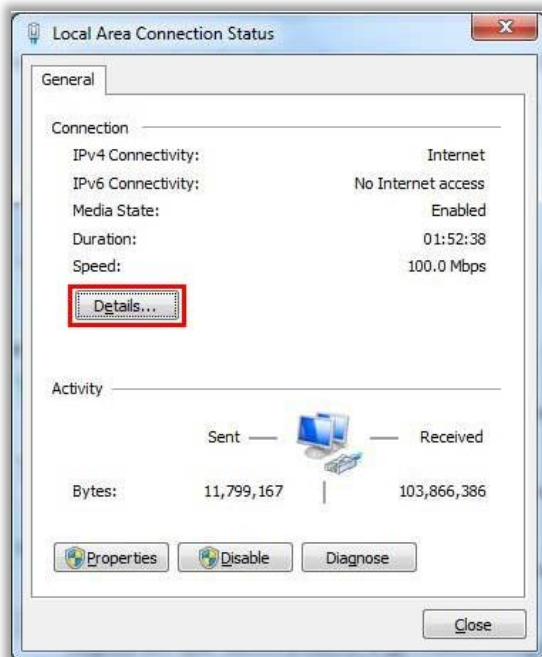
1. Click on **Start**, and then click on **Control Panel**.
2. Click **Network and Sharing Center**. The above is in **Small icons** view. If your screen looks different, change by selecting **Small icons** from the View by **drop-down** menu in the top right hand corner.



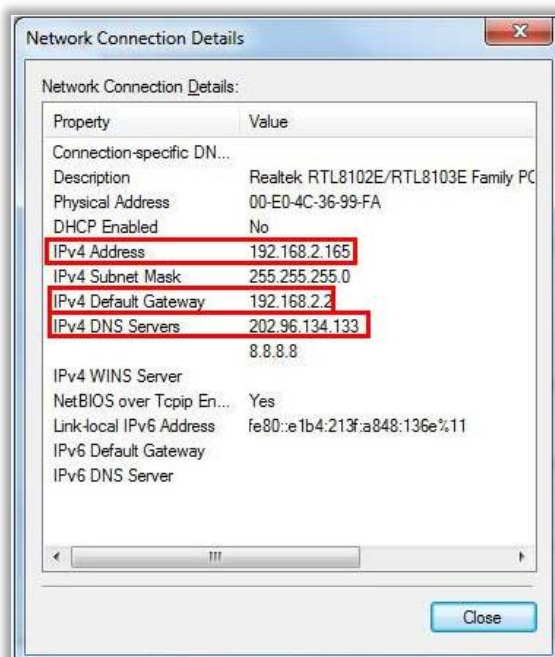
- Find the connection connected to Internet and click the link.



- Click Details



- Find your PC's IP address, Subnet Mask, Gateway and DNS.



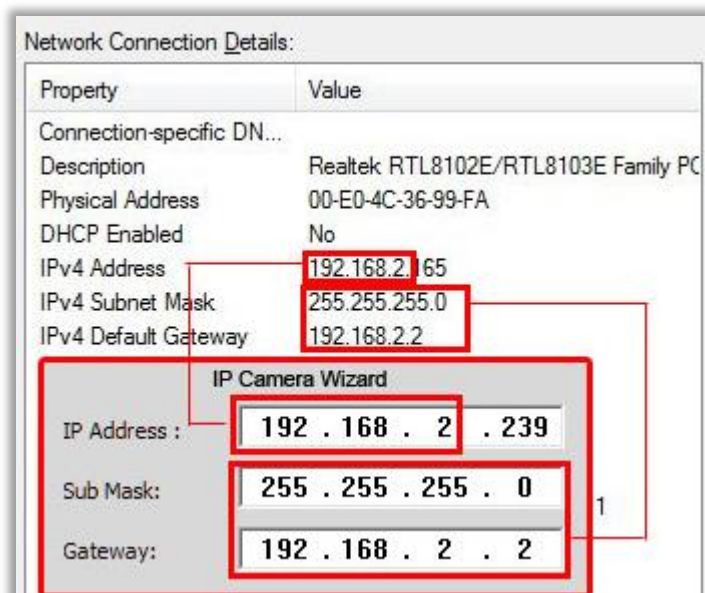
Here are the details in the snapshot:

IP: 192.168.2.165

Subnet Mask: 255.255.255.0

Gateway: 192.168.2.2

6. Set up IP manually by the details above.



Copy the first 3 parts of IP address to camera's IP and left the 4th part with its own. Copy Subnet Mask and Gateway to IP camera's Sub Mask and Gateway.

For Mac

For the LAN view of Mac, please refer to P8 of Quick Start Guide.

Basic Operation

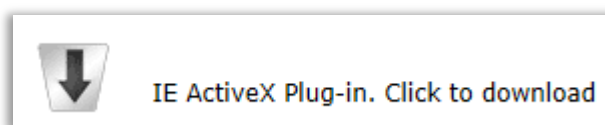
This section will focus on basic operation of the interface including pan/tilt, video, audio, etc.

For Internet Explorer

After inputting the camera's LAN or Internet access URL in IE browser, the camera's username and password will be required. The default username is admin. There is no password by default, so leave the password field blank.



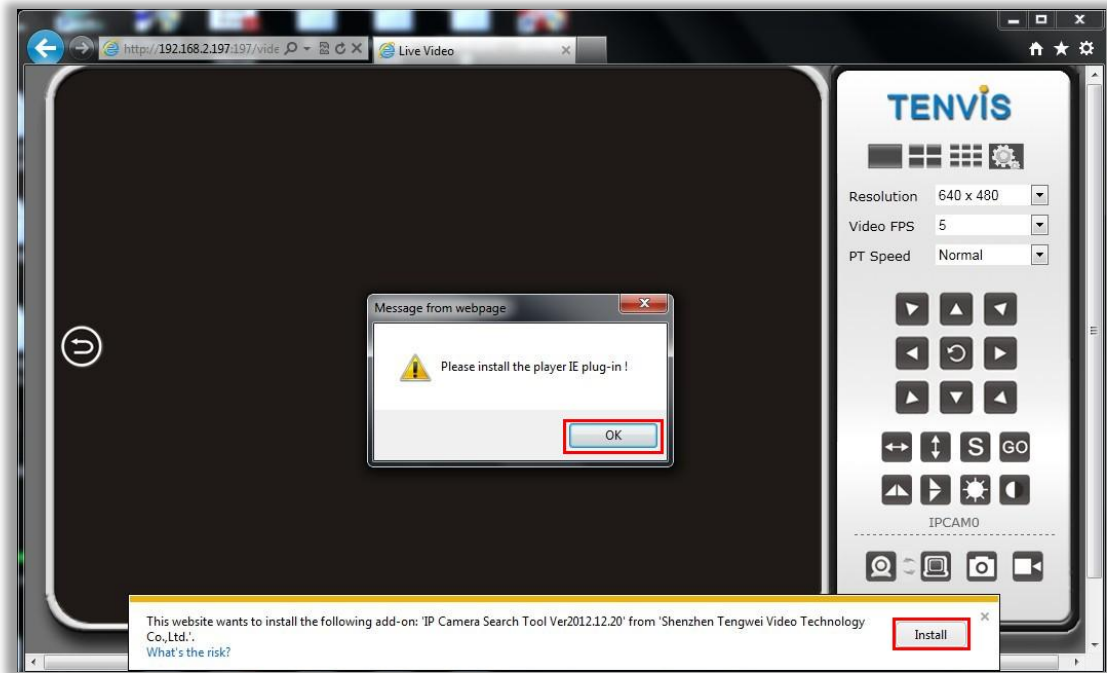
1. Select **IE Active X Plug-in** to download the IE plug-in and follow the procedure to install.



2. Select **ActiveX Plug-in only for IE Browser**











3. Click **Allow** to allow the web browser plug-in running in IE.













4. Then you will see the live video and control panel



Instructions of the buttons of main panel

	Return to the welcome page
	Single camera view mode. For show back to single camera mode from 4 camera view mode or 9 camera view mode.
	4 camera view mode. After set up multiple camera settings, you could view up to 4 cameras by this mode
	9 camera view mode. After set up multiple camera settings, you could view up to 9 cameras by this mode
	Click this button for camera settings
Resolution	Changed the resolution of the video, there are 3 options: 640x480, 320x240 and 160x120.
Video FPS	Change the FPS of video, it means frames per second. The bigger the number, the smoother the video is. Higher FPS depends on high speed network.
PT Speed	Change the speed of the pan/tilt of the camera. There are 5 options: Fastest, Fast, Normal, Slower and Slowest. (only available for the camera with Pan/Tilt)
	There are 8 direction keys and the center button is rotation center. (only available for the camera with Pan/Tilt)
	The horizontal cruise will pan automatically (only available for the camera with Pan/Tilt)
	The vertical cruise will tilt automatically (only available for the camera with Pan/Tilt)

	Set preset position; this camera supports 6 preset positions. What is a preset position? See tips below. (only available for the camera with Pan/Tilt)
	Go a specific preset position you have set (only available for the camera with Pan/Tilt)
	Invert the video horizontally
	Invert the video vertically
	Adjust the brightness of the video
	Adjust the contrast of the video
	Receive audio from the camera (only available for the camera with 2-way audio)
	Send audio to the camera (only available for the camera with 2-way audio)
	Take snapshot with the camera
	Record video to PC, you can change the path in the settings menu



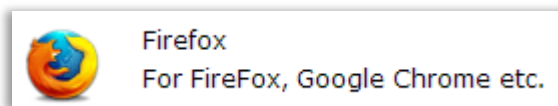
Tips:

What are preset positions?

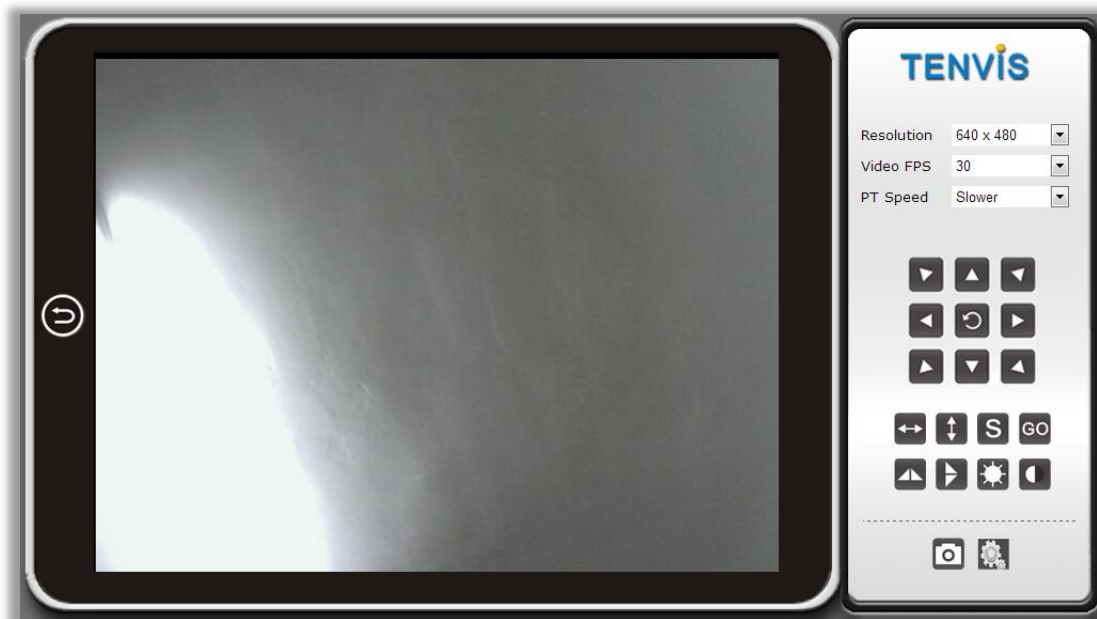
Preset positions are IP camera's memorized P/T positions. Once you set a preset position, you do not need to pan the camera to your preferred position. You simply press the preset button that corresponds to the preset you want to see and the camera will move to that position automatically.

For Other Non-IE Web Browsers

1. Select **For Firefox, Google Chrome, etc** for non-IE web browser. **This mode is applicable for Safari in Mac.**



2. For other non-IE web browsers, there is a little difference.



Here are the details of the difference of the functions.

	IE	Non-IE web browser
Multiple Cameras Mode	✓	×
2-way audio	✓	×
Record to PC	✓	×
Time Stamp	✓	×

Camera Settings

Click this Settings Button  for camera Settings.

Notice: Certain functions mentioned in this manual may vary according to camera's model. For example, pan and tilt function are for Pan/Tilt enabled cameras only.

System

About

Basic Device Info & Customer Service info.

About	
Device Model	JPT3815W
Device SN	000000018
Hardware Version	Ver 1.4
Firmware Version	Ver 1.7.17
Manufacturer	TENVIS
Official Website	http://www.tenvis.com

Contact Customer Service	
China Worldwide Customer Service	
Time:	9:00-18:00, Beijing Time(UTC+8), Monday - Friday
Telephone#	0086-0755-89732476
E-mail:	support@tenvis.com
USA Local Customer Service	
Time:	7:00-15:00, Mountain Standard Time(UTC-7), Monday - Friday
E-mail:	ussupport@tenvis.com

Device Model	Camera's exact model
Device SN	Camera's serial number which is also the camera' MAC address
Hardware Version	Camera's hardware version
Firmware Version	Camera's software version
Manufacturer	TENVIS Technology Co., Ltd
Official Website	http://www.tenvis.com
Contact Customer Service	Consulting with TENVIS customer service if you have any question about TENVIS IP camera.



Notice:

Customer Service information will be updated on the official website.

PT Setting

Camera' Pan/Tilt and preset setting (only available for cameras with Pan/Tilt function).

Pan/Tilt Setting	
Enable Pan/Tilt	<input checked="" type="checkbox"/>
Enable Preset Position	<input checked="" type="checkbox"/>
Startup Position	<input type="text" value=""/> ▾
Pan/Tilt Speed	Normal ▾
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Enable PT	Turn the camera's Pan/Tilt on/off
Enable Preset Position	Turn the camera's preset position on/off

Startup Position	Preset position that the camera will move to after rebooting
PT Speed	Speed for Pan/Tilt which is also the speed for preset movements includes 5 speed options.

Backup and Restore Setup

Save or restore camera configuration.

Backup Configuration	Keep the camera settings as a backup file. Download the appeared box IPCamera_Settings.dat and save it on your computer in case you need to restore your previous settings.
Restore Backup Configuration	Click Browse to restore the backup settings which has been saved in advance to restore the previous configuration.
Restore Factory Setting	Reset the camera to default factory settings

NTP Setting

Camera's time setting

Current Time	Camera's time and you can click Sync With Host to match it to your computer's time
Time Zone	Time zone of the place that the camera is located
NTP Server	Time server of the network which is connected with the camera

Automatic Calibration Time Interval(by hour)	Intervals for the camera to correct the time with its own connected network.
--	--



Tips:

1. Since the camera has no built in battery, the time saved in its memory may be lost when the camera reboots and reset to 1970.01.01. This will not affect the alarm schedule, since the exact alarm time will be synced from the Internet. You just need to reconnect the network to correct the camera’s time manually.

2. What is NTP server?

NTP server is a server computer that reads the actual time from a reference clock and distributes this information to its clients using network. Your camera will get the exact time through an NTP sever by offering the time zone of its location.

Misc Setting

Camera’s some Miscellaneous Settings

Misc setting

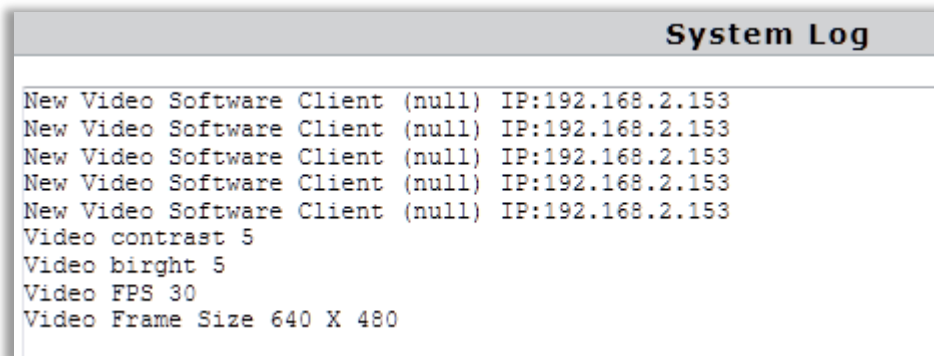
Power line frequency 50HZ 60HZ Disabled

Power LED Close Open Flicker

Power line frequency	Select the correct power frequency to avoid video flashing, adjust the options, if your video flickering
Power LED	The status of front green LED

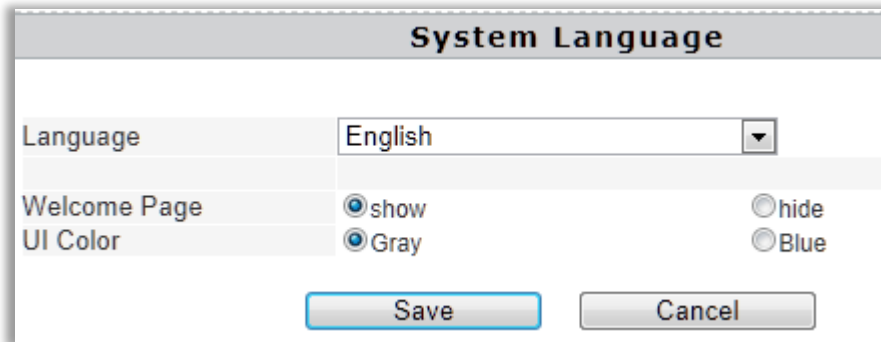
System Log

You are able to check all the records for the computer operation of your camera starting from when the camera was powered on.



Language

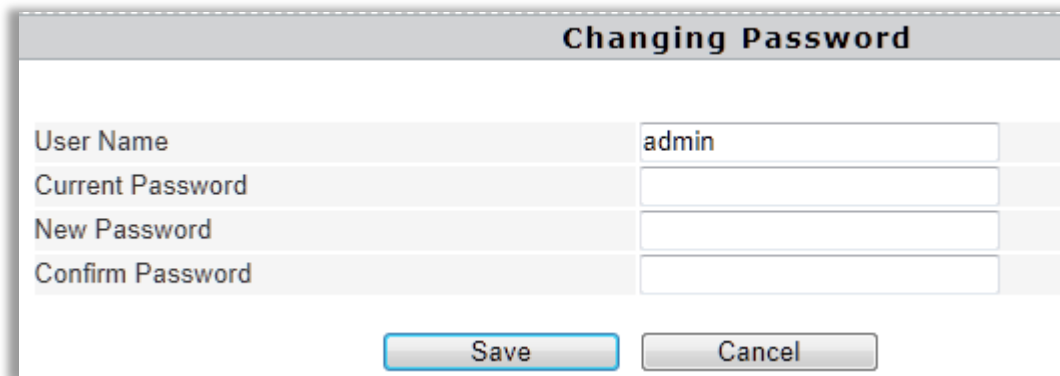
To set camera's language and other appearance settings.



Language	To choose from 9 different languages
Welcome Page	To select the welcome page
UI Color	To pick the color for the whole interface

Changing Password

To update the camera's username and password.



User Name	This camera's username
Current Password	To confirm the current password
New Password	To fill in the camera's new password
Confirm Password	Fill in the new password to confirm the change

System User

Adding and updating user accounts

User Management

System User [admin]

User Defined

User Name: <input type="text"/>	Password: <input type="password"/>	Group: <input type="text" value="Guest"/>	<input type="button" value="Delete"/>
User Name: <input type="text"/>	Password: <input type="password"/>	Group: <input type="text" value="Guest"/>	<input type="button" value="Delete"/>
User Name: <input type="text"/>	Password: <input type="password"/>	Group: <input type="text" value="Guest"/>	<input type="button" value="Delete"/>
User Name: <input type="text"/>	Password: <input type="password"/>	Group: <input type="text" value="Guest"/>	<input type="button" value="Delete"/>
User Name: <input type="text"/>	Password: <input type="password"/>	Group: <input type="text" value="Guest"/>	<input type="button" value="Delete"/>
User Name: <input type="text"/>	Password: <input type="password"/>	Group: <input type="text" value="Guest"/>	<input type="button" value="Delete"/>

Defined user contains three different user levels.

Different access is granted to different user levels as specified in the following sheet.

	Live Video	Record	Snapshots	Video adjustment	Sound	Talkback	PT operation	Settings
Admin	√	√	√	√	√	√	√	√
Operator	√	√	√	√	√	√	√	×
Guest	√	√	√	×	√	√	×	×



Tips:

PT operation is only available for cameras with Pan/Tilt.

Update

Update the device to the latest firmware version which can be found on our official website.

<http://www.tenvis.com/download>

Firmware Update

Update the device to the latest version which can be found from our official website. <http://www.tenvis.com>

Note:

1. Please choose proper update package according to product model of the camera.
2. Use cable network NOT WIFI during the update process.
3. Make sure that the update process is operated under continuous power supply.
4. The whole process may take about 1 minute. Please wait until camera reboots.
5. Please operate under the guidance of professional personage in case of updating failure.
6. We are not responsible for any improper operation that leads to camera crash.

Location



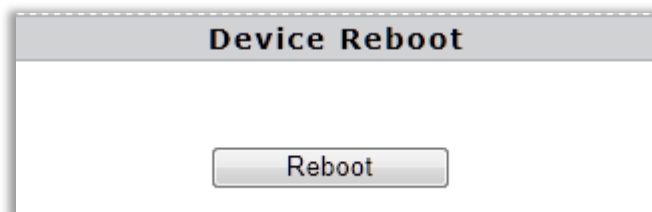
Notice:

1. Please choose proper update package for your camera model (i.e. JPT 3815W).
2. Use an Ethernet cable NOT WI-FI to connect to your camera during the update process.
3. Make sure that the camera is not unplugged during the update process.

4. The whole process may take about 2-3 minute. Please wait until camera reboots.
5. Please update only with the help of a professional in case of problems while updating.
6. TENVIS is not responsible for any improper update attempts that lead to camera crash.

Reboot

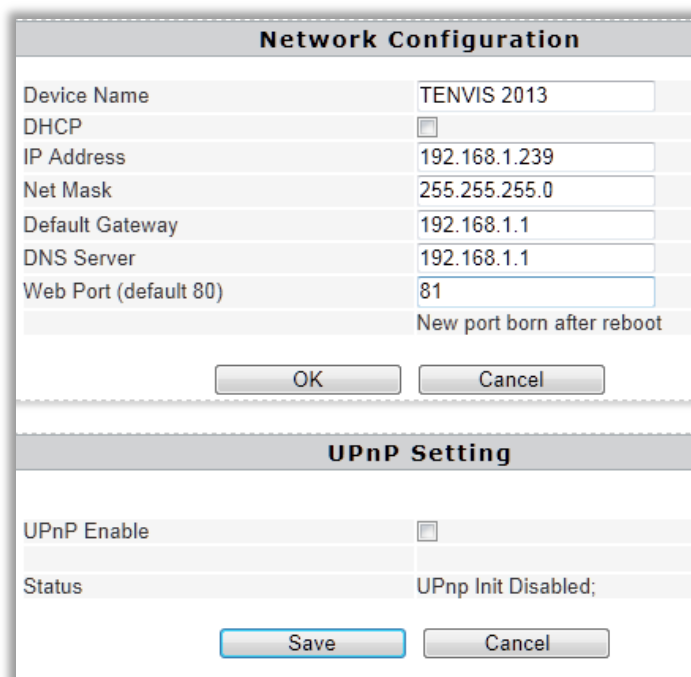
Press reboot button to restart the camera.



Network

IP Config

The Camera's Basic Network Settings



Device Name	Camera's display name which is set to distinguish from other devices on your network
DHCP	Enable or disable obtaining IP address from DHCP server automatically. If it is enabled, IP address and other items cannot be changed manually.
IP Address	Camera's local network IP address, which is used to view the camera in the same local area network. Specify a unique IP address for your network camera.

Net Mask	Specify the mask for the subnet the network camera is located on
Default Gateway	Specify the IP address of the default gateway (router) used for connecting devices attached to different networks and network segments
DNS Server	DNS (Domain Name Service) provides the translation of host names to IP addresses of your network
Web Port	Camera's communications port which is set to send video and audio data
UPnP	Universal Plug and Play (UPnP) is an architecture for peer-to-peer network connectivity and it will connect to the IP camera from Internet more seamlessly



Notice:

As UPnP is also easily affected by router or firewall, sometimes it may show failed status. If this happens, please forward the camera's port on your router manually. Whether UPnP succeeds or not, it will not affect the camera's remote access.



Tips:

For the exact IP address configuration, please turn to **P6-P10** of this **User Manual**.

WIFI

Configuring WI-FI connection

Wireless Network	All the nearby wireless signals visible to the camera
Station Profile(Up to 4)	Select the wireless signal and add it to Station Profile. Then you can switch your preferred wireless network easily.
WI-FI Link Status	Check and change wireless network status

For Set-up procedure please refer to **Wireless Setup**

DDNS

Configuring the camera's DDNS for remote view

Built-in DDNS Configuration

Enable DDNS	<input checked="" type="checkbox"/>
URL	http://[redacted]hn.tennis.info http://[redacted]208:82
Status	DDNS Update Successful;

Save Cancel

Third-party DDNS Configuration

DDNS Server	None
Account	
Password	
DDNS	

Save Cancel

Built-in DDNS Configuration	TENVIS IP Camera has been set with free default built-in DDNS tennis.info. You can enable or disable it. If the DDNS status is “successful”, you can view the camera from Internet after you forward the camera's port through your router.
Third-party DDNS Configuration	TENVIS camera supports third-party DDNS providers like Dyndns, Araid.org, Zoneedit, no-ip and Oray. You can request that we add a new DDNS provider through the TENVIS Forum if you get third-party DDNS support agreement



Tips:

1. What is DDNS?

DDNS (Dynamic DNS) is a service that maps Internet domain names to IP addresses. Thus we do not need to know the changing IP address in order to view the camera through the relevant DDNS server.

2. For the DDNS settings, you can find the DDNS setting for Dyndns and no-ip DDNS in the attached list of User Manual.

Alarm Setting

Alarm Setting

Motion Detection	Enable or disable the motion detection alarm
Sensitivity	The sensitivity of the motion detection alarm which contains 5 levels.
On-Screen Display	Notice on the screen during motion detection alarm which is only available in IE browser.
Warning Tone	Alarm voice when the camera detects moving objects which is only available for IE browser.
Alarm Recording	Records to the computer when the camera detects moving objects and there is only IE browser supports this.
Email Alarm	Sending alarm pictures to the specified email when the camera detects the movements
FTP Upload Folder	Sending alarm pictures to FTP server set in advance when the camera detects movement.
Back to Preset	Moves camera to a preset position once the camera detects moving objects (this is only available for Pan/Tilt IP camera).
Alarm Interval (sec)	Unit of time for periodic motion detection alarm which includes picture and video alarm.
Schedule	Specified motion detection period with 15 minutes a unit and one week per cycle.

Email Setting

Once the motion detection alarm is enabled, camera will send snapshots to the specified email when it detects the moving objects. There will be six emails per time and one picture per email.

Sender(xxx@xxx.xxx)	Email address for sending the alarm email
Recipient[1](xxx@xxx.xxx)	1st email address for receiving the alarm email
Recipient[2]	2nd email address for receiving the alarm email
Recipient[3]	3rd email address for receiving the alarm email
Recipient[4]	4th email address for receiving the alarm email
SMTP Server	Sending emails provider 's SMTP server address
SMTP Port (default 25)	Service port of SMTP server
Transport Layer Security	Encryption protocol of SMTP Server
SMTP User	Sender email's login username
SMTP Password	Sender email's login password
IP Address Reported by Mail	Sending the camera's external access URL to the recipient's email

E-mail Alarm Configuration

Sender is your own email address. Since common email providers have a better service experience and the built-in email provider SMTP servers are easier to set up, you are strongly

advised to use Gmail, Yahoo and other common email services as the sender email.

Recipient is the email to accept the email alerts and we suggest that you make it a different email from the sender email.

SMTP Server: The SMTP (short for Simple Mail Transfer Protocol) works like a post assistant, handling the sending of emails from the camera to an email server. SMTP Server receives outgoing mail messages from users to the mail recipients they are intended for.

If your sender email provider is a public server, you can search the IP address of the email provider's SMTP server or DDNS from Google.

If your sender email provider is a private one, you can consult with the email provider's customer service.

SMTP Port: Service port of SMTP server which you can get with the above procedure

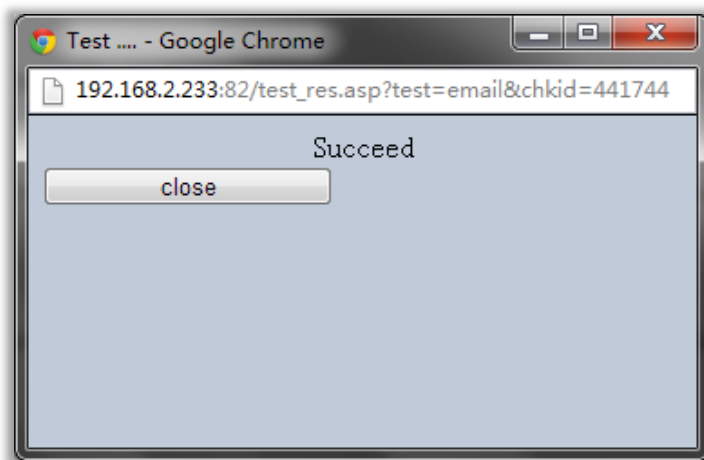
Transport Layer Security: Encryption protocol of SMTP Server and you can also get it from the above procedure

SMTP User: The account you use to login to the SMTP server which is also the sender email address

SMTP Password: The password you use to login to the SMTP server which is also the sender email password

IP Address Reported by Mail: Once it is triggered, the latest external IP address will be sent to recipient's email as soon as the camera's WAN IP address changes.

Then click Save and Test. Once it says Success that means the camera has set up e-mail settings.



Go back to alarm settings and enable **Email Alert** to finish the whole e-mail alert settings.

Alarm Setting

Motion Detection

Disabled
 IP Camera Build-in

Sensitivity: Normal

Alarm Type

On-Screen Display:
Warning Tone:
Alarm Recording:
Email Alarm:
FTP Upload Folder:
Back to Preset:

Alarm Interval (sec): 15

Schedule:

OK Cancel



Notice:

1. Please check the basic network settings of the camera if it failed the test, go back to Basic Operation for reference
2. There might be some delay for motion detection alarm since it is related to the network condition and the service quality of the sender email's provider. Thus it is beyond the control of IP camera.
3. If you still can not receive any email alert after getting the test email, please check your spam box and add your sender email address in the trust list of the recipient email once you find it in spam.



Tips:

The email alert is sent via sender email's provider server which is an SMTP server. Once the camera signs in to the SMTP server, the email alert will be delivered to the recipient email after getting SMTP server's authentication. Therefore, the sender email, recipient email and the SMTP server are all required.

FTP Setting

FTP, short for File Transfer Protocol, is used to transfer files between computers on a network. You can upload camera's alarm snapshots to your FTP storage. Thus, there is no need to keep the computer on when the motion detection alarm is triggered.

FTP Server	FTP server's address
FTP Port (default 21)	FTP server's port
FTP User	FTP server's username
FTP Password	FTP server's password
FTP Upload Folder	FTP server's subdirectory. Keep it blank if there is no subdirectory

FTP Alarm Configuration

FTP Server: FTP server's IP address and DNS which could be required from FTP server provider.

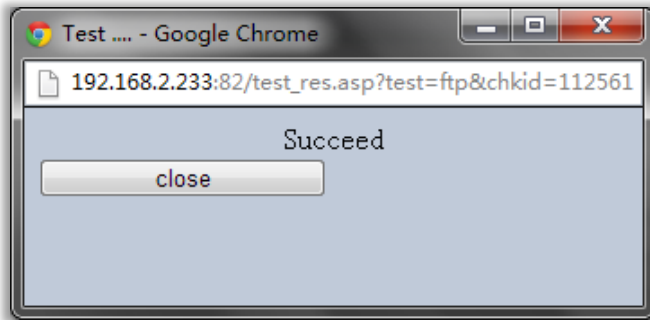
FTP Port: Communication port of FTP server and the default port is 21.

FTP User: Username for you to sign in FTP server which could be required from FTP server provider.

FTP Password: Password for you to login FTP server which could be required from FTP server provider.

FTP Upload Folder: File address in FTP server in which to save the alarm pictures. If it is left blank, the pictures will be kept in FTP's root directory.

Then click Save and Test. Once it says "Success" that means the camera has set FTP settings successfully.



Go back to alarm settings and enable **FTP Upload Folder** to finish the whole e-mail alert settings.

Alarm Setting

Motion Detection

Disabled
 IP Camera Build-in

Sensitivity: Normal

Alarm Type

On-Screen Display
Warning Tone
Alarm Recording
Email Alarm
FTP Upload Folder

Back to Preset: [Dropdown]
Alarm Interval (sec): 15

Schedule

OK Cancel



Notice:

1. Please check the basic network settings of the camera if failed in test, go back to Basic Operation for reference
2. FTP server is offered by FTP provider. TENVIS does not provide FTP service. Web Hosting usually supports FTP.
3. Please make sure the camera is authorized to upload alarm pictures. For detailed information, please consult with the FTP server provider.

Recording

Recording and alarm recording are only available for IE browser.

Recording Setting

Recording Path: D:\ [Browse]
Alarm Recording Path: D:\ [Browse]

Note: The above setting is only available for the administrator.

Recording Path	Camera's destination folder to record to
Alarm Recording Path	Camera's alarm recording destination folder



Notice:

If it does not work, please run IE as administrator. Right click IE browser and pick Run as Administrator

Multi Camera Monitor Configuration

Device List in LAN	All MJPEG IP camera in your local network
Alias:	Camera's name
IP Address: Port	Camera's IP address and port or you can fill in DDNS instead.
User Name: Password	Camera's username and password

If you want to view multiple cameras from Internet by DDNS, you could add the camera with DDNS.



Notice:


This configuration is only available for IE browser.

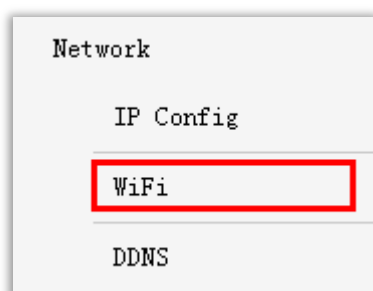
Wireless Settings

For Windows

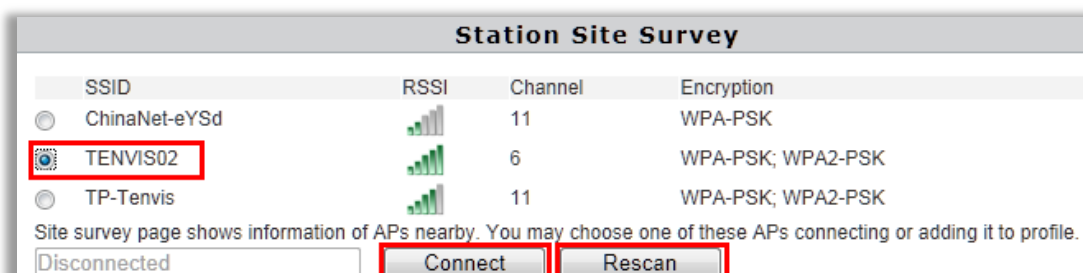
For wireless connection of Windows computer, please turn to Page 5 of Quick Start Guide. You can also connect the wireless signal in **Settings** page after you view the image. Please turn to **Mac** wireless connection for more detailed information.

For Mac

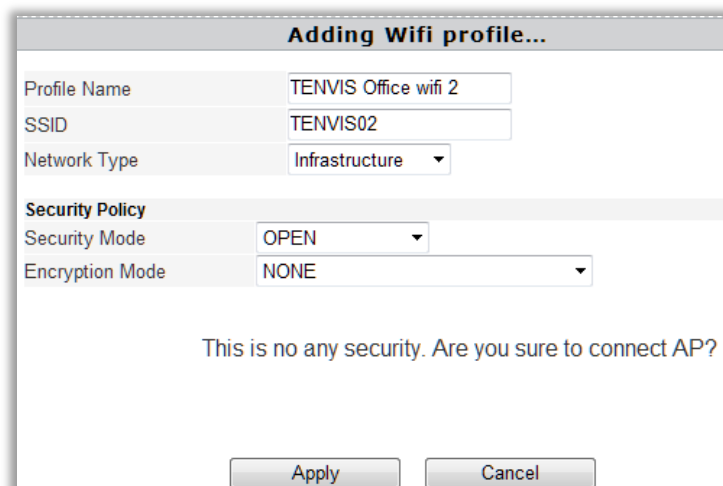
1. Click Settings Button  and select Wi-Fi.



2. Click Rescan in Wireless Network and pick your preferred WI-FI SSID. Then press Connect.



3. Fill in the relevant wireless network information. If you are not sure about this, please keep the auto set-up of the camera.
4. If your wireless network is open, just pick Apply.



5. If your wireless encryption is WEP (SHARED), you need to select WEP Key Length & WEP Key Entry Method. Please keep the auto set-up of the camera if you are not familiar with this. Then enter the pass phrase and click Apply.

The screenshot shows a dialog box titled "Adding Wifi profile...". It contains the following fields and options:

- Profile Name: TENVIS Office wifi 2
- SSID: TENVIS02
- Network Type: Infrastructure
- Security Policy:
 - Security Mode: SHARED
- Wire Equivalence Protection (WEP):
 - WEP Key Length: 64 bit (10 hex digits / 5 ascii keys)
 - WEP Key Entry Method: Hexadecimal
 - WEP Keys:
 - WEP Key 1: [Masked]
 - WEP Key 2: [Empty]
 - WEP Key 3: [Empty]
 - WEP Key 4: [Empty]
 - Default Key: Key 1

Buttons: Apply, Cancel

6. If your wireless encryption is WPA or WPA2, then select WPA Algorithms. Please keep the auto set-up of the camera if you are not familiar with this. Then enter the pass phrase and click Apply.

The screenshot shows a dialog box titled "Adding Wifi profile...". It contains the following fields and options:

- Profile Name: TENVIS Office wifi 2
- SSID: TENVIS02
- Network Type: Infrastructure
- Security Policy:
 - Security Mode: WPA2-Personal
- WPA:
 - WPA Algorithms: TKIP AES
 - Pass Phrase: [Masked]

Buttons: Apply, Cancel


7. Pick the wireless network added in Station Profile (Up to 4) and click Activate.

The screenshot shows a dialog box titled "Station Profile(Up to 4)". It contains a table with the following data:

Profile	SSID	Channel	Authentication
<input checked="" type="radio"/> TENVIS Office wifi 2	TENVIS02	Auto	WPA2-PSK

Buttons: Edit, Delete, Activate

8. Wireless network is connected if it appears .

Wireless network is disconnected if it shows . Please pick Edit to reset the network configuration or pick Delete to get back to the first step.



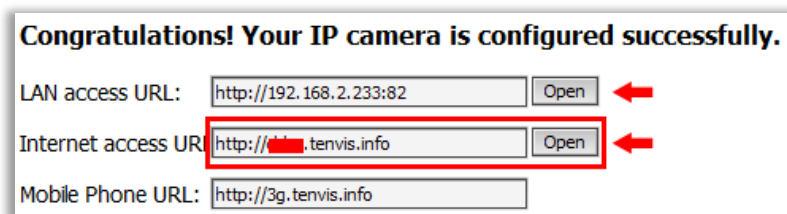
Tips:

For security concern, please do not open your Wi-Fi network.

Web Browser Internet View

For Windows

First, please follow the IP camera wizard from step 1 to step 7. You can open the remote URL in step 7 to view the camera from Internet.



Congratulations! Your IP camera is configured successfully.

LAN access URL: ←

Internet access URL: ←

Mobile Phone URL:

If it failed in step 6, please refer to attached list and forward the camera's port to the router manually.



Notice&

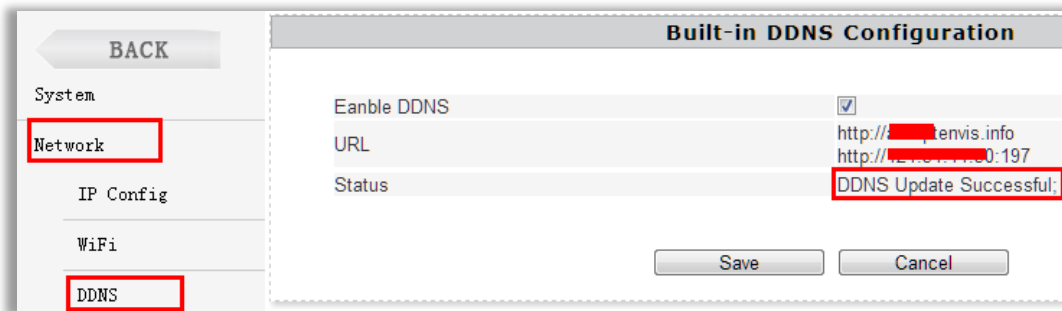


Tips:

1. If DDNS still shows "failed", please update DDNS to 8.8.8.8 to try again.
2. If DDNS shows succeed and you still cannot view the camera through the Internet URL, please try the Internet access URL in another network since some routers do not support loop-back.
3. If there are two or more routers and two or more WAN, there should be multi-time port forwarding. Please contact your ISP or network administrator.
4. For 3G and 4G routers, please confirm with your ISP whether you are able to forward your camera to Internet. It's unlikely for most 3G and 4G routers to get Internet access authority.
5. There is little possibility that your ISP might not be able to offer the Internet access authority. Please confirm this with your ISP.

For Mac

Double check whether your camera's DDNS setting succeeded or not.



If it appears failed, please refer to the IP address setting from Quick Start Guide and double check DDNS. Once DDNS succeed, please forward your camera's port manually by the help of attached list of port forwarding. Then you could view the camera by the DDNS from Internet.



1. If DDNS still appears failed, please update DDNS to 8.8.8.8 to have a try.
2. If DDNS shows succeed and you still cannot view the camera through the Internet URL, please try the Internet access URL in another network since some routers do not support loop-back.
3. If there are two or more routers and two or more WAN, there should be multi-time port forwarding. Please contact your ISP or network administrator.
4. For 3G and 4G routers, please confirm with your ISP whether you are able to forward your camera to Internet. It's unlikely for most 3G and 4G routers to get Internet access authority.
5. There is little possibility that your ISP might not be able to offer the Internet access authority. Please confirm this with your ISP.

Mobile Phone View

For LAN View

If your mobile phone's network is the same with your camera's, you can view the camera in the local network.

Please see Quick Start Guide for the detailed information.

For Internet View

It is possible for you to view the camera from a different network which is usually other Wi-Fi network or 3G, 4G and other network.

Once you set the remote view successfully on your computer, then you can input the camera's Internet Access URL in your mobile phone. Please turn to P11-P15 of Quick Start Guide for detailed software installation.

Attached List

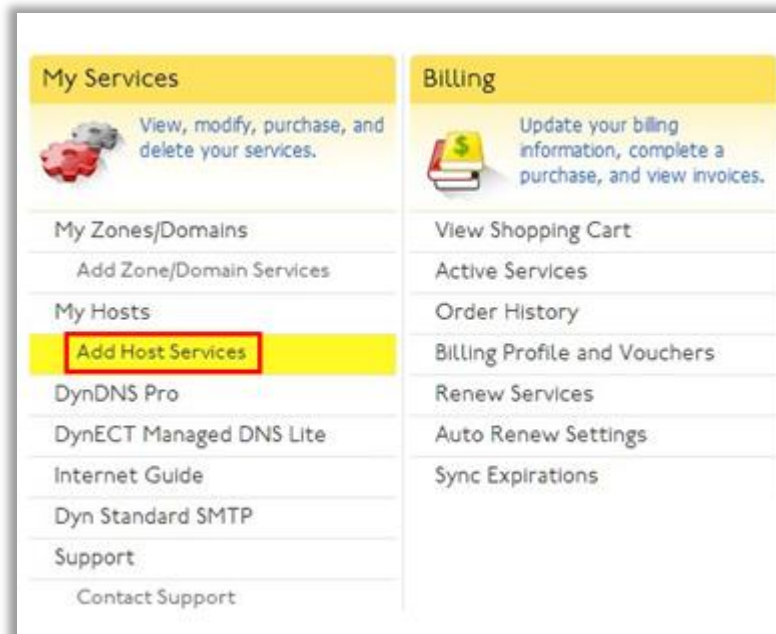
3rd Party DDNS Settings

DynDns DDNS Settings

1. Open www.dyndns.com in the browser.
2. Login directly if you have dyndns account. Register a new account if you do not have one.



3. Click **Add Host Service**



4. Register one DDNS account.

Add New Hostname

You don't currently have a [DynDNS Pro service](#) in your account.

To get the full benefits of Dynamic DNS, including premium subscriber domains and other features, [add a cart](#) (or try it with \$1.99 [monthly subscription](#)).

Hostname: ·

Wildcard: create "*.host.dyndns-yourdomain.com" alias (for example to use same settings for www.host.dyndns-yourdomain.com)

Service Type: Host with IP address
 WebHop Redirect (URL forwarding service)
 Offline Hostname

IP Address: ← [Your current location's IP address is 121.34.13.243](#)

IPv6 Address (optional):

TTL value is 60 seconds. [Edit TTL...](#)

Mail Routing: I have mail server with another name and would like to add MX hostname...

Hostname: DDNS for you to view the camera from Internet. You can select your preferred dyndns and fill in your favorite hostname.

Service Type: Host with IP address

IP Address: Fill in the assigned IP address. This IP address is set only for registration and will be updated after the IP address configuration.

Click **Activate**

DynDNS Pro and Host Services [↑ My Services](#)

[tenviscamera.dyndns.org](#) successfully activated.

DYNDNS HOSTNAMES + Add New Hostname			
HOSTNAME	SERVICE	DETAILS	LAST UPDATED
tenviscamera.dyndns.org	Host	121.34.13.243	Dec. 12, 2012 4:31 AM

5. DDNS configuration

Built-in DDNS Configuration

Enable DDNS	<input checked="" type="checkbox"/>
URL	http://aaap.tervis.info http://113.89.82.52:193
Status	DDNS Update Successful

Third-party DDNS Configuration

DDNS Server	Dyndns.org
Account	ter...
Password
DDNS	tenviscamera.dyndns.org

DDNS Server: Dyndns.org

Account: Fill in Dyndns account you have set from the above procedure

Password: Enter Dyndns' password

Click **Save**

6. Dyndns setup succeed.

Third-party DDNS Configuration

DDNS Server	Dyndns.org
Account	ter...
Password
DDNS	tenviscamera.dyndns.org

Alias tenviscamera.dyndns.org to IP '121.34.7.59' updated successful

NO-IP DDNS settings

1. Open www.no-ip.com in the browser.
2. Log in directly if you have no-ip account. Register a new account if you do not have one.



3. Click Add a Host



4. Register an account

Add a host

Fill out the following fields to configure your host. After you are done click 'Create Host' to add your host.

Own a domain name?
Use your own domain name with our DNS system. [Add](#) or [Register](#) your domain name now or read more for pricing and features.

Hostname Information

Hostname: ?
Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alias (CNAME) ?
 Port 80 Redirect Web Redirect AAAA (IPv6)
IP Address: ?
Assign to Group: [Configure Groups](#) ?
Enable Wildcard: Wildcards are a Plus / Enhanced feature. [Upgrade Now!](#) ?

Accept Mail for your Domain
Let No-IP do the dirty work. Setup [POP](#) or [forwarding](#) for your name.

Mail Options

MX Record	MX Priority
<input type="text"/>	<input type="text" value="5"/> ?

Enter the name of your external mail exchangers (mx records) as hostnames **not IP addresses**.

If you would like a more MX records, please upgrade to [No-IP Plus](#) or [Enhanced](#).

[Revert](#) [Create Host](#)

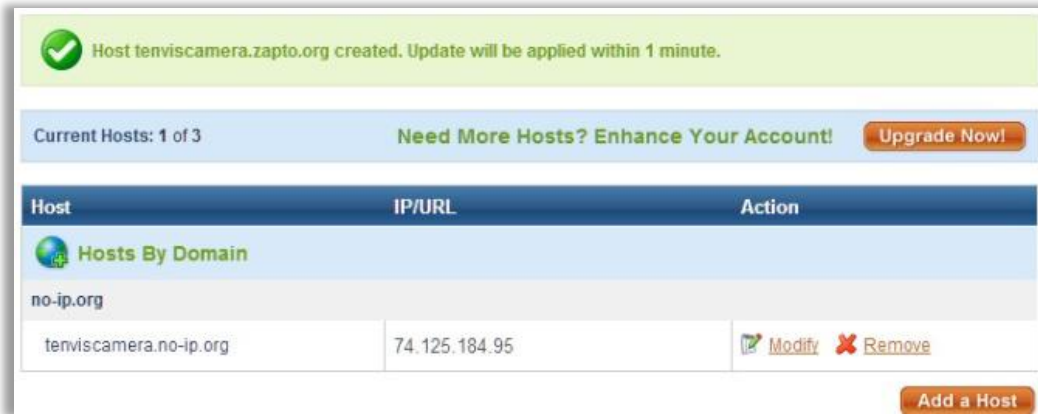
Hostname: DDNS for you to view the camera from Internet. You can select your preferred dyndns and fill in your favorite hostname.

Host Type: DNS Host (A)

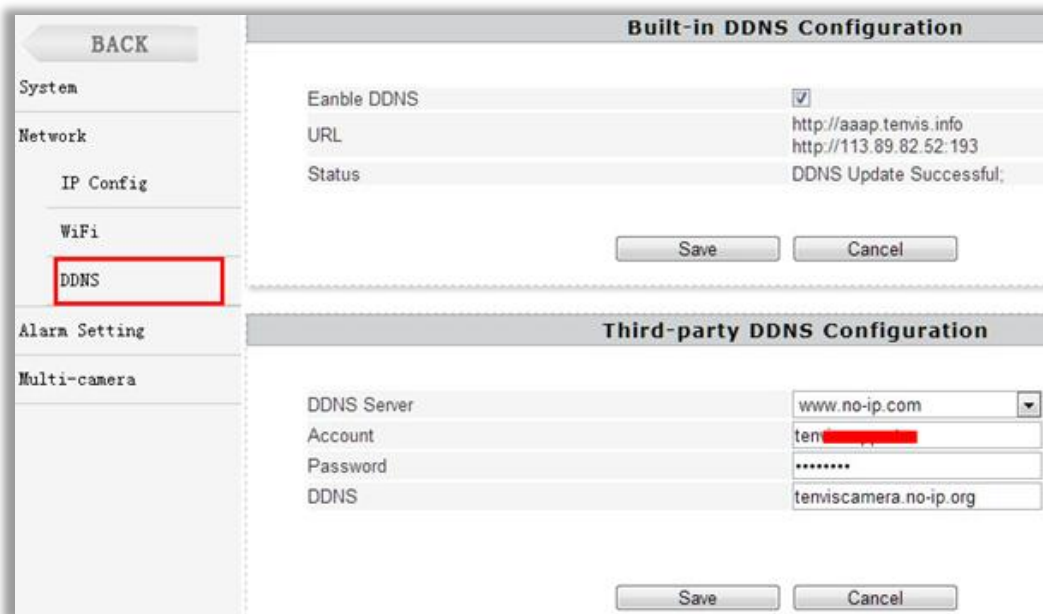
Service Type: Host with IP address

IP Address: Fill in the assigned IP address. This IP address is set only for registration and will be updated after the IP address configuration.

Click **Create Host**



5. DDNS configuration



DDNS Server: www.no-ip.com

Account: Fill in no-ip account you have set from the above procedure

Password: Enter no-ip 's password

DDNS: Typed the DDNS Hostname for no-ip

Click **Save**

6. Configuration succeed



Port Forwarding of Common Routers

Before you set up port forwarding manually, please check 2 things before you do it.

1. Make sure you know the router's brand, access URL, username and password. If you do not know them, please get help from the provider of the router, such as your ISP.
2. Find your camera's IP address and port. You can find them in your network configuration.

Network Configuration	
Device Name	TENVIS
DHCP	<input type="checkbox"/>
IP Address	192.168.1.239
Net Mask	255.255.255.0
Default Gateway	192.168.1.1
DNS Server	192.168.1.1
Web Port (default 80)	81
New port born after reboot	

The IP and port of the camera is very important for port forwarding.

For 2wireRouter

1. Open a web browser like Internet Explorer, Chrome, Firefox & etc. Enter the internal IP address of your router in the address bar of your browser. The default URL is http://192.168.1.1
2. Click the **Firewall Settings** button, and then click **Add a new user-defined application**

2Wire System Broadband Link Home Network Firewall

Summary **Firewall Settings** Advanced Settings HOME Site Map

Edit Firewall Settings

Settings

By default, the firewall blocks all unwanted access from the Internet. You can allow access from the Internet to applications running on computers inside your secure home network by enabling firewall pinholes. Opening firewall pinholes is also known as opening firewall ports or firewall port forwarding. To do this, associate the desired application with the computer below. If you cannot find a listing for your application, you can create a user-defined application profile. (To create a user-defined profile, you will need to know protocol and port information.)

[View firewall details](#)
[Reset all firewall settings](#)

To Allow Users Through the Firewall to Hosted Applications...

1 Select a computer
Choose the computer that will host applications through the firewall: []

2 Edit firewall settings for this computer:

Maximum protection – Disallow unsolicited inbound traffic.

Allow individual application(s) – Choose the application(s) that will be enabled to pass through the firewall to this computer. Click ADD to add it to the Hosted Applications list.

All applications: [] Hosted Applications: []

PF1
Age of Empires
Age of Kings
Age of Wonders
Aliens vs Predator
Anarchy Online
Asheron's Call
Baldur's Gate
BattleCom
Battlefield Communicator

ADD REMOVE

Add a new user-defined application

Allow all applications (DMZplus mode) – Set the selected computer in DMZplus mode. All inbound traffic, except traffic

3. Add a new user-defined application.

The screenshot shows the Z-Wire Firewall Settings interface. At the top, there are navigation tabs: Summary, Firewall Settings (selected), and Advanced Settings. Below the tabs is the title "Edit Application". The main content area is titled "Settings" and contains the following fields:

- Profile Name:** A text input field with the value "IP Camera".
- Definition:** A section with instructions: "Choose a protocol and enter the port(s) for this application, then click ADD DEFINITION to add the definition to the Definition List. If the application requires multiple ports or both TCP and UDP ports, you will need to add multiple definitions." Below this is a note: "Note: In some rare instances, certain application types require specialized firewall changes in addition to simple port forwarding. If the application you are adding appears in the application type menu below, it is recommended that you select it."
- Protocol:** Radio buttons for TCP (selected) and UDP.
- Port (or Range):** From: 81, To: 81.
- Protocol Timeout (seconds):** 86400. TCP default 86400, UDP default 600.
- Map to Host Port:** An empty text input field. Default = the same port as defined above.
- Application Type:** A dropdown menu with "None (Default)" selected.
- ADD DEFINITION:** A button highlighted with a red box.
- BACK:** A button in the bottom right corner.

Application Name: It is just a name whatever you want for port forwarding,

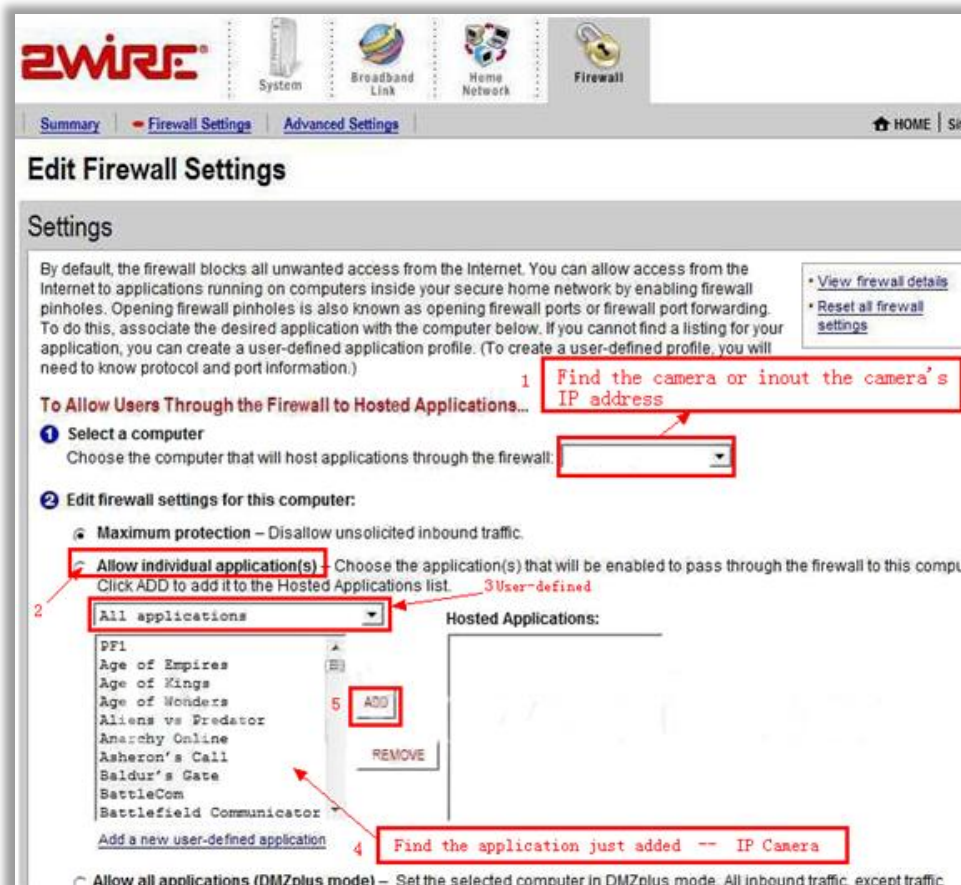
Protocol: TCP

Port for range: port of the camera

Protocol timeout: 86400

Click **Add**.

4. Sign the application for the IP Camera



Select Computer

Select the IP camera in the list. You could choose the IP address or input the camera's IP address; it depends on the router's model.

Select **allow individual application**

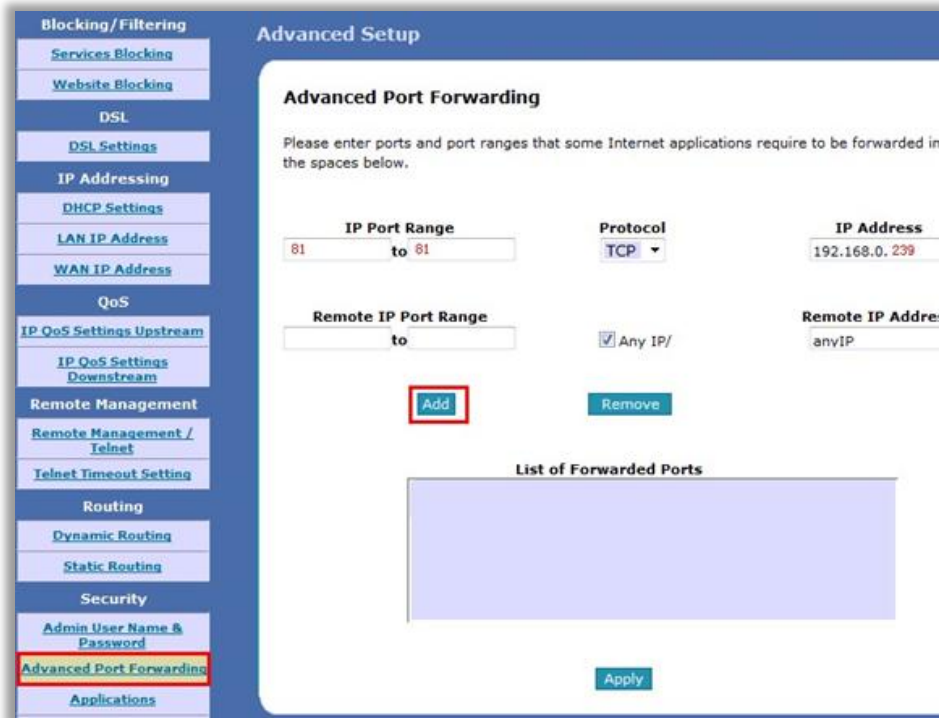
Select **User-defined**

Find your application you just added.

Click **Add**

For Actiontec Routers

1. Open a web browser like Internet Explorer or Chrome. Enter the internal IP address of your router in the address bar of your browser. For these routers, in general, it is http://192.168.0.1
2. Click **Advanced Port Forwarding**



IP Port Range: The camera's port.

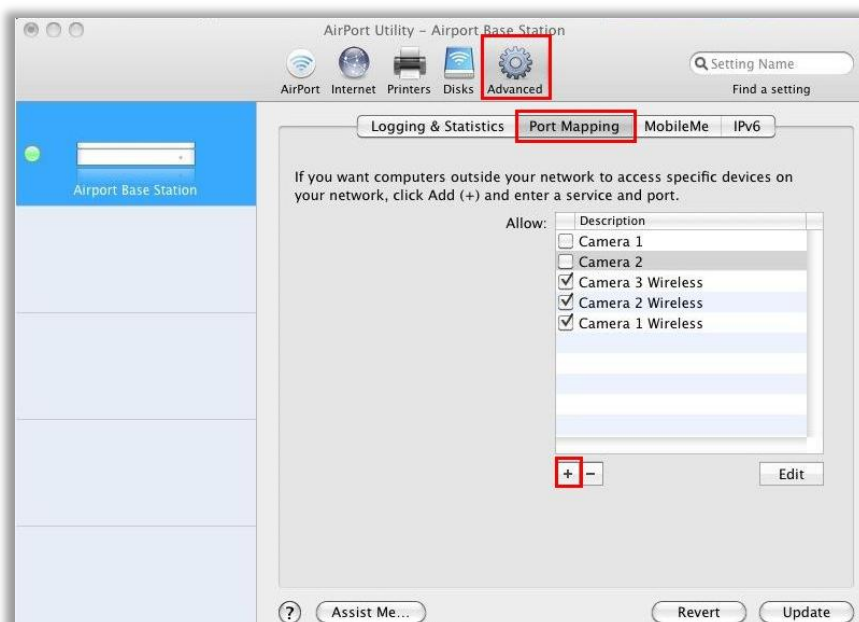
Protocol: TCP

IP Address: The camera's IP address.

Click **Apply**

For Apple Airport Extreme or Time Capsule

1. Go to your finder and type in Airport in the search bar and find your Airport Utility program.
2. Find the Advanced Tab at the top and select it
3. Choose the Port Mapping option.



Add a service for IP camera.

Port Mapping Setup Assistant

Choose a service from the pop-up menu or enter the public and the private IP address and ports that you want to map between.

Service: Choose a service

Public UDP Port(s): 81

Public TCP Port(s): 81

Private IP Address: 192.168.1.239

Private UDP Port(s): 81

Private TCP Port(s): 81

Cancel Go Back Continue

Service: Choose a service

Public UDP Ports: the camera's port

Public TCP ports: the camera's port

Private IP Address: the camera's IP address

Private UDP ports: the camera's port

Private TCP ports: the camera's port

Port Mapping Setup Assistant

Enter the description for this port mapping entry.

Description: Camera

Advertise globally using Bonjour

Service Name:

Service Type:

When you are finished, click Done to save your port mapping entry.

Cancel Go Back Done

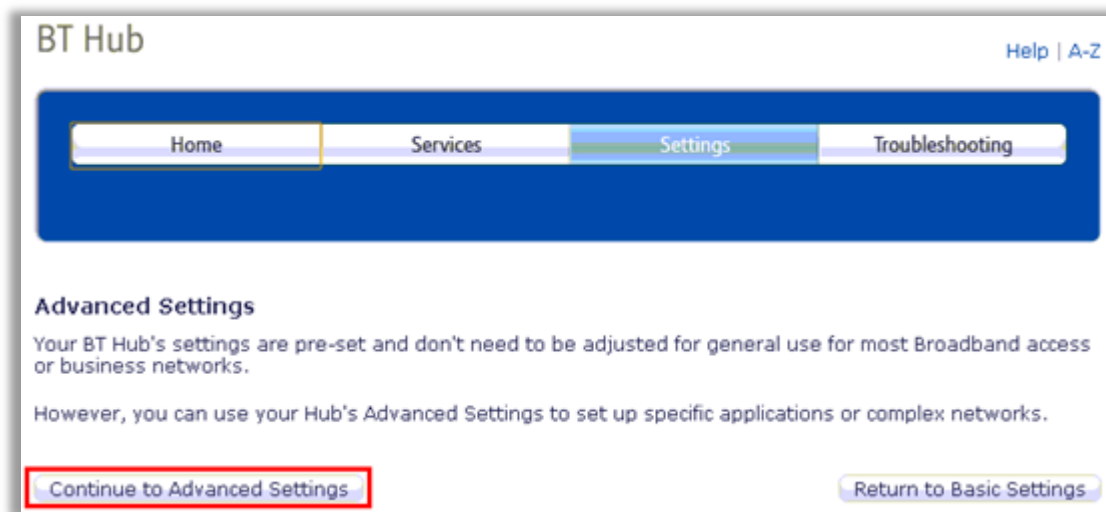
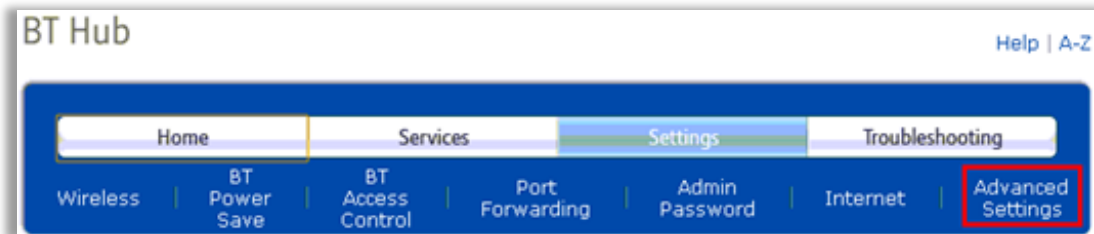


Tips:

Be sure to click on the Update button after making these changes to upload them to your Airport.

For BT BTHomeHub Routers

1. Open a web browser like Internet Explorer, Chrome, Firefox & etc. Enter the internal IP address of your router in the address bar of your browser. For BT routers, in general, it is <http://192.168.1.254>
2. Click **Advanced Settings** and Continue to Advanced Settings



3. Click **Supported Applications** and **Add new game or application**

BT Hub Help | A-Z

Home | Services | **Settings** | Troubleshooting

Wireless | Broadband | Static IP | Business Network | **Port Forwarding** | System | Basic Settings

Configuration | **Supported Applications** | UPnP | DMZ | Firewall

Add User Defined Game or Application

Game/application name:

Copy an existing game/application: Yes No

▼

Game or Application Definition

A game or application is made up of one or more TCP/UDP port ranges. Each incoming port range can be translated into a different internal (private network) port range.

Protocol	Port Range	Translate To	
<input type="text" value="Any"/> ▼	<input type="text" value="81"/> - <input type="text" value="81"/>	<input type="text" value="81"/> - <input type="text" value="81"/>	<input type="button" value="Add"/>

No port maps defined for this game or application

Game/Application name: It is just a name whatever you want for port forwarding,

Protocol: Any or TCP

Port Range: The port of the camera

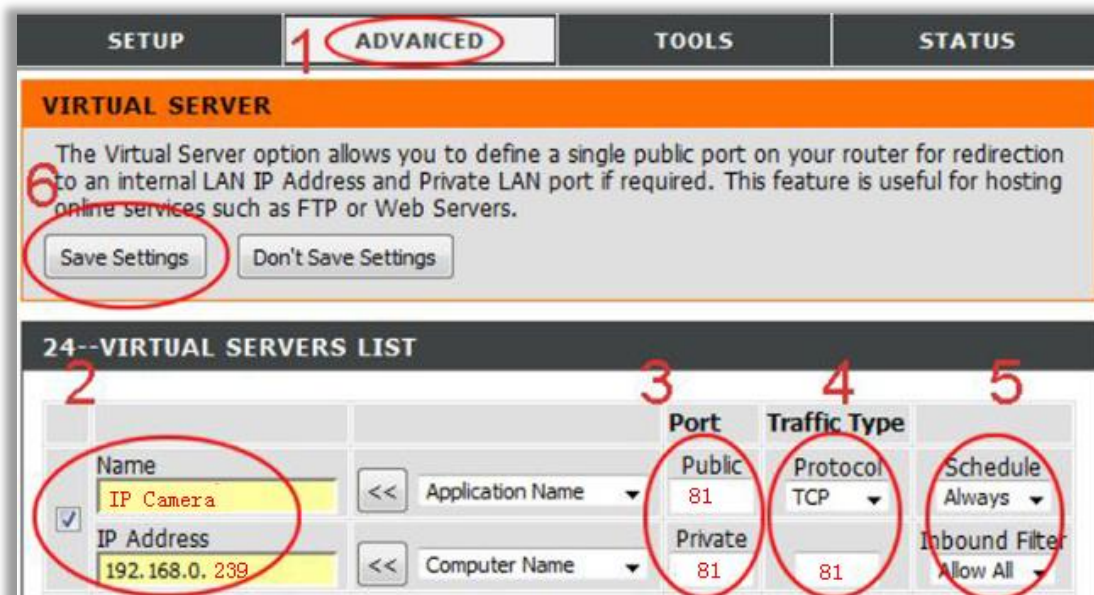
4. Click Configuration; Select the application you just added in Game or Application List. Select User Defended IP Address in the **Device** List.

Enter the camera's IP address into **Device IP Address**.



For D-link Routers

1. Open a web browser like Internet Explorer or Chrome. Enter the internal IP address of your router in the address bar of your browser. For D-link routers, in general, it is http://192.168.0.1
2. Click **Advanced - Virtual Server**



Name: It is just a name whatever you want for port forwarding,

Public: the camera's port

Private: the camera's port

Protocol: TCP

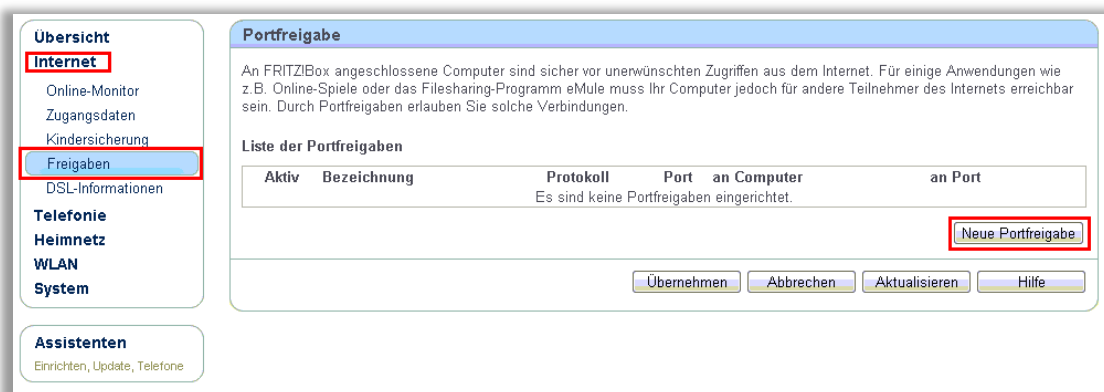
Schedule: Always

Inbound Filter: Allow All

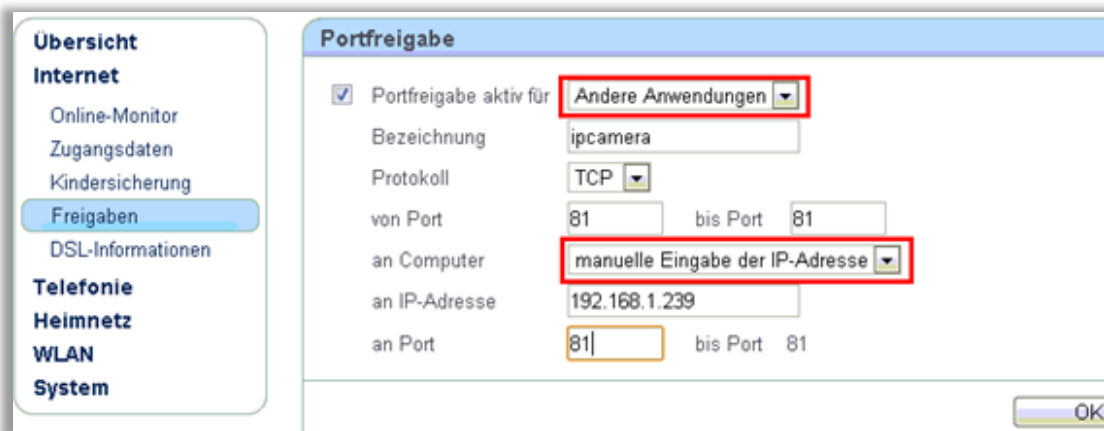
Click **Save Settings**

For FRITZ!! Routers

1. Open a web browser like Internet Explorer or Chrome. Enter the internal IP address of your router in the address bar of your browser to login your camera. By default the IP address should be set to `http://192.168.178.1`
2. Click the Internet link and then click **Portfreigabe**. In the **portfreigabe**, click **Neue Portfreigabe**.



3. Do port forwarding



Select **Andere Anwendungen** from the **Portfreigabe aktiv fur** drop down box.

Bezeichnung: A name, whatever you want

Protokoll: TCP

von Port: The camera's port

bis Port:The camera's port

an Computer: **manuelle Eingabe der IP-Adresse**

an IP-Adresse: The camera's IP address

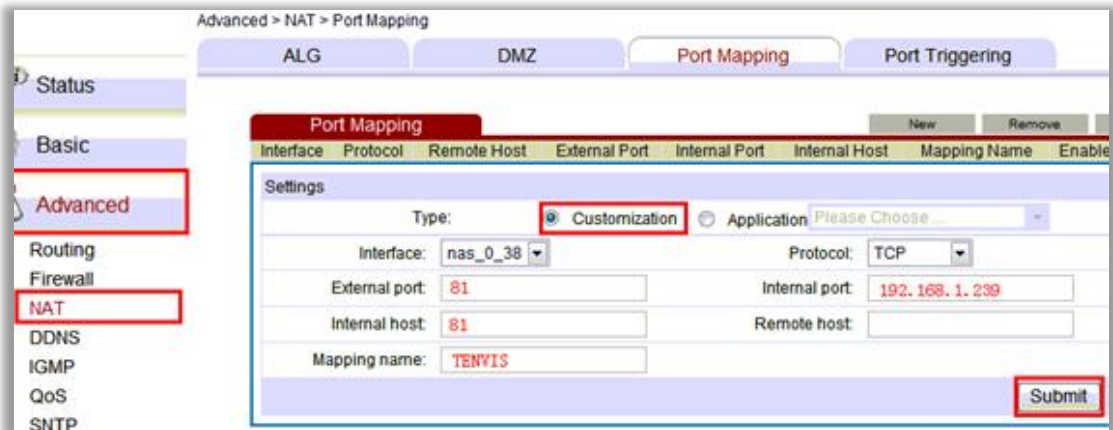
an Port: The camera's port

ForHuawei Routers

1. Enter the internal IP address of your router in the address bar of web browser. For these

routers, in general, it is http://192.168.1.1

2. Click **Advanced - NAT**, and click **Port Mapping**



Name: Whatever you want, it is just a name, e.g. TENVIS IP Camera

Public: the camera's http port, e.g. 81

Private: the camera's http port, e.g. 81

Protocol: TCP

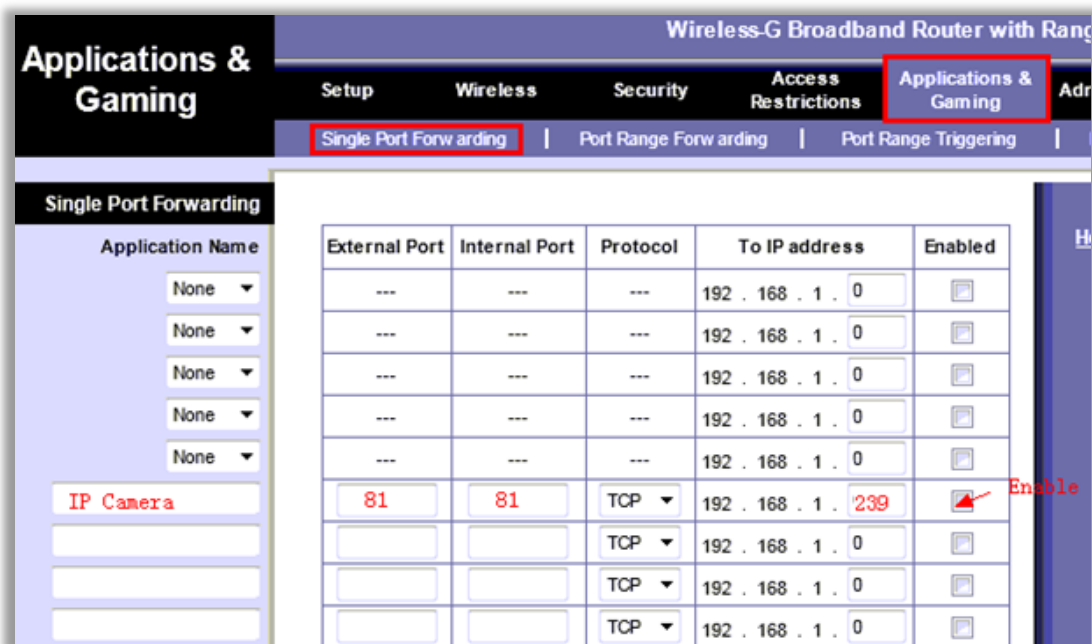
Schedule: Always

Inbound Filter: Allow All

Click **Save Settings**

For Linksys W Series Routers

1. Enter the internal IP address of your router in the address bar of web browser. For these Series routers, in general, it is http://192.168.1.1
2. Click **Application & Gaming** and click **Single Port Forwarding**



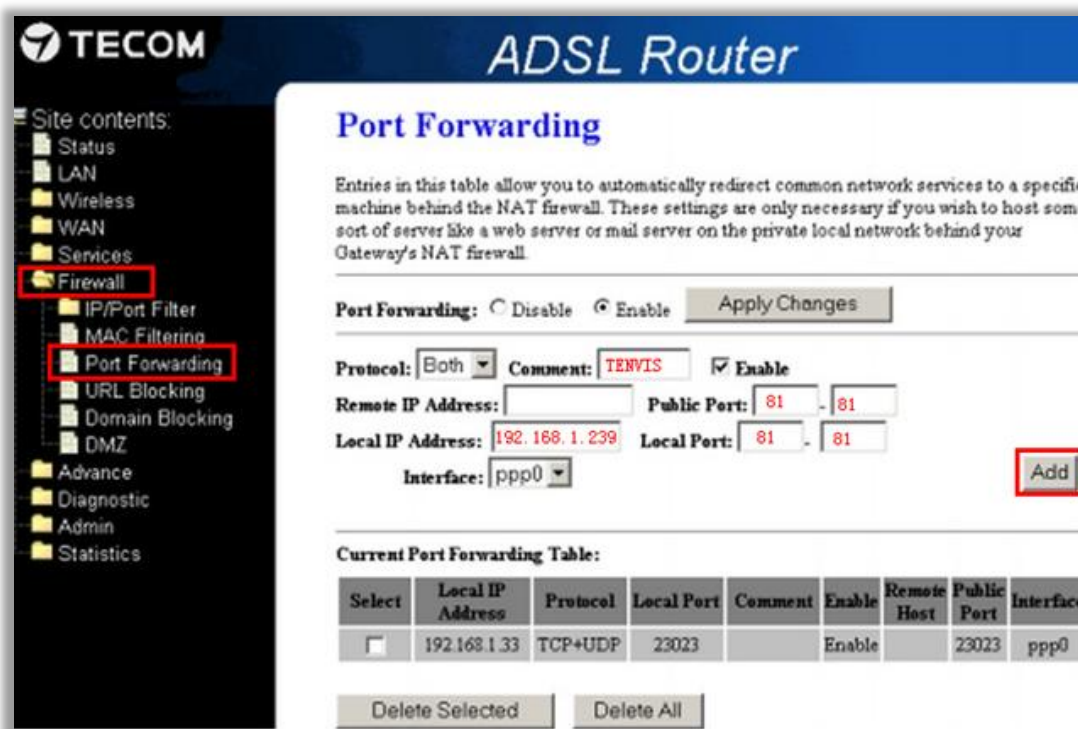
Application Game: It is just a name whatever you want for port forwarding,

External Port: the camera's port

Internal Port: the camera's port
Protocol: TCP
To IP address: the camera's IP address
Enabled: Enable

For Movistar Routers

1. Enter the internal IP address of your router in the address bar of web browser. For these routers, in general, it is http://192.168.1.1
2. Click **Firewall - Port Forwarding**



Comment: It is just a name whatever you want for port forwarding,
Public Port: the camera's port
Local Port: the camera's port
Remote IP Address: N/A
Local IP Address: the camera's IP address
Click **Add**

For Netgear Routers 1

1. Enter the internal IP address of your router in the address bar of web browser. For these routers, in general, it is http://192.168.1.254
2. Click **Port Forwarding/Port Triggering** or **Port Forwarding**. Select **Port Forwarding** and select **Add Custom Service**

NETGEAR
SMARTWIZARD router manager
54 Mbps Wireless Router model WGR614v9

- Schedule
- Maintenance
 - Router Status
 - Attached Devices
 - Backup Settings
 - Set Password
 - Router Upgrade
- Advanced
 - Wireless Settings
 - Wireless Repeating Function
 - Port Forwarding / Port Triggering**
 - WAN Setup
 - LAN Setup

Port Forwarding / Port Triggering

Please select the service type

Port Forwarding
 Port Triggering

Service Name: Server IP Address:

#	Service Name	Start Port	End Port	Server IP Address

Or

- Setup
 - Basic Settings
 - Wireless Settings
 - WPS Settings
 - Wi-Fi Multimedia
- Maintenance
 - Gateway Status
 - Connection
 - Set Password
 - Backup
 - Event Log
 - Diagnostics
- Advanced
 - Wireless Settings
 - Dynamic DNS
 - MAC Filtering
 - IP Filtering
 - Port Blocking
 - Port Forwarding**
 - Port Triggering

Port Forwarding

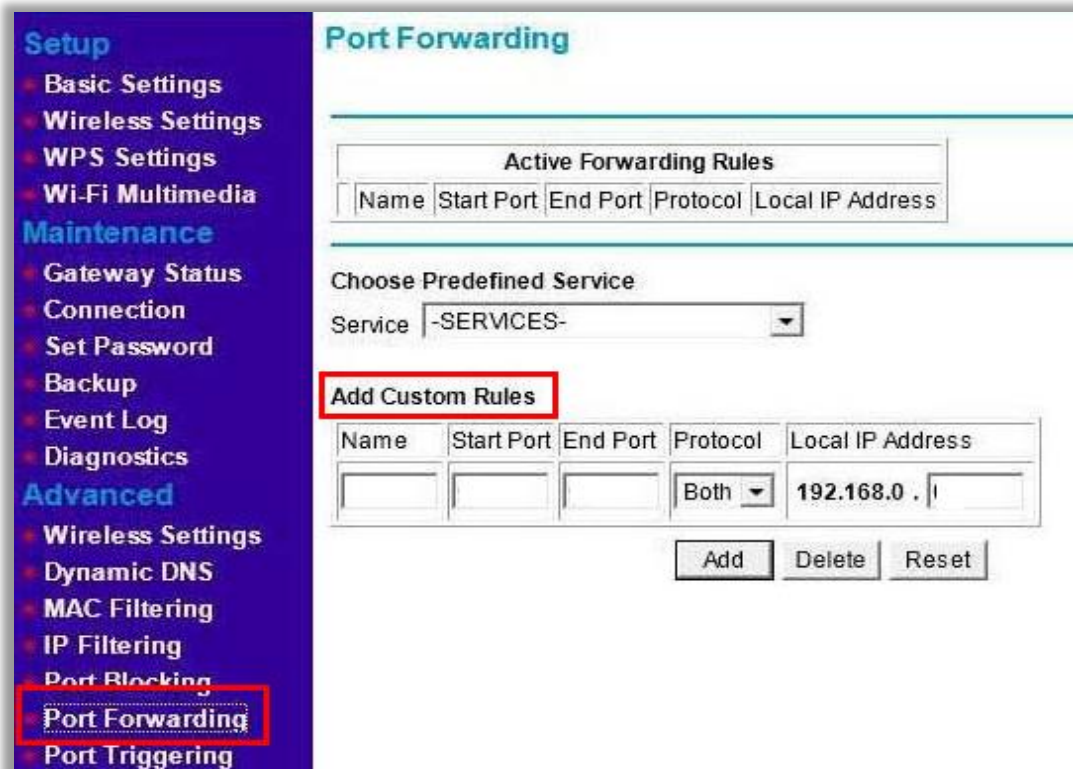
Active Forwarding Rules

Name	Start Port	End Port	Protocol	Local IP Address

Choose Predefined Service
Service:

Add Custom Rules

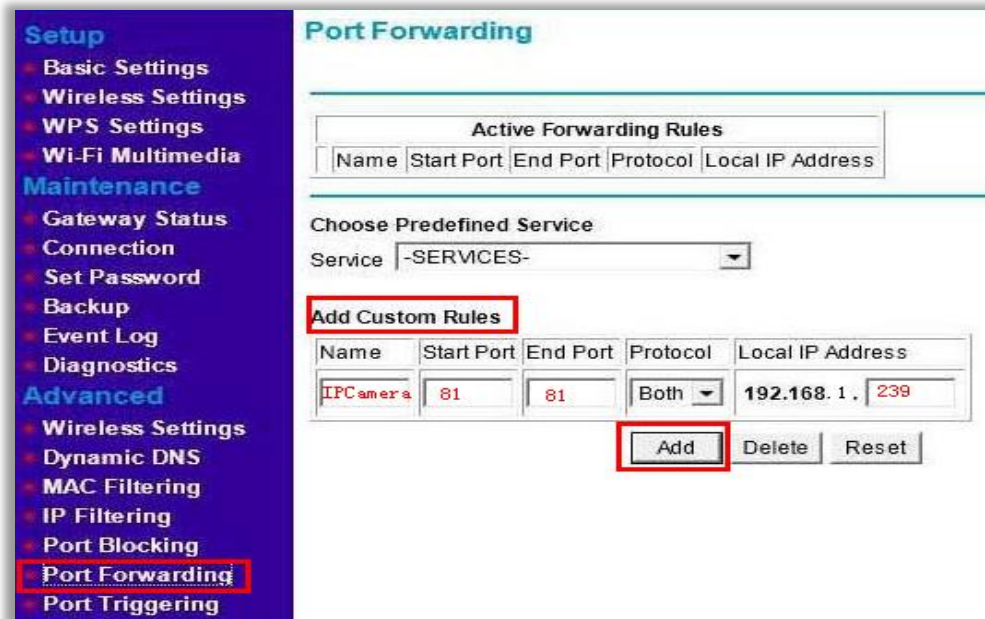
Name	Start Port	End Port	Protocol	Local IP Address
			Both	192.168.0.1



3. Do port forwarding



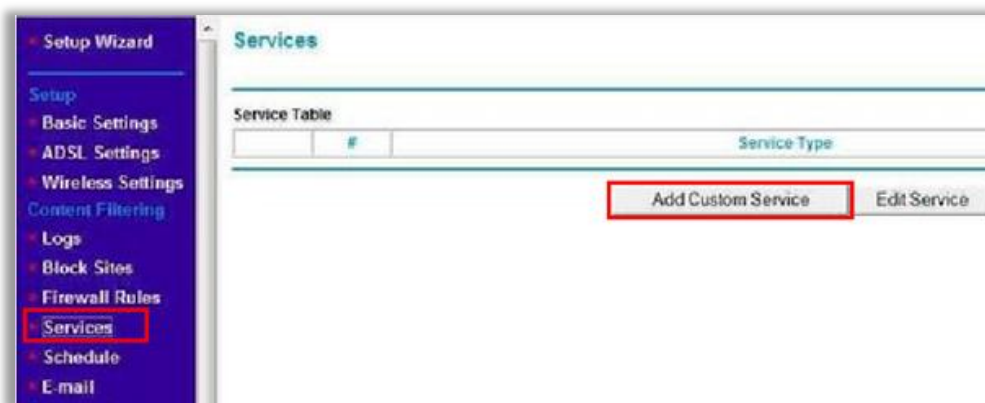
Or



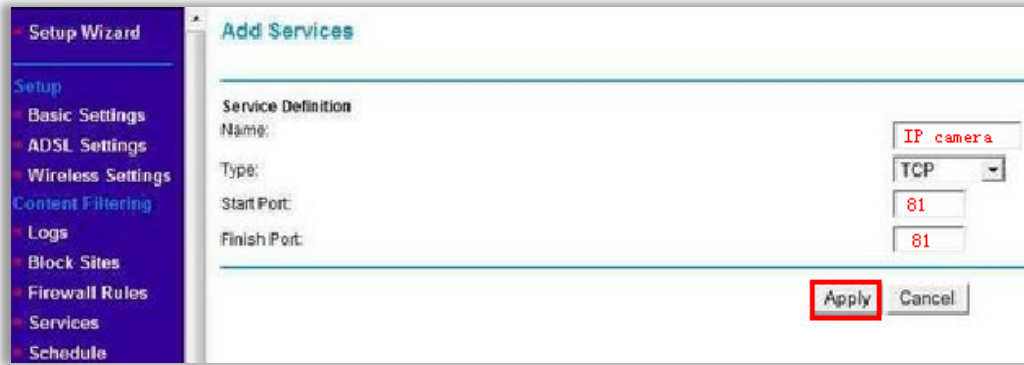
- Service Name:** It is just a name whatever you want for port forwarding,
- Starting Port:** port of the camera
- Ending Port:** port of the camera
- Service IP Address:** IP of the camera

For Netgear Routers 2

1. Enter the internal IP address of your router in the address bar of your browser. For these routers, in general, it is http://192.168.1.254
2. Click the **Services** link and Click **Add Custom Service** button.



3. Add an IP camera service



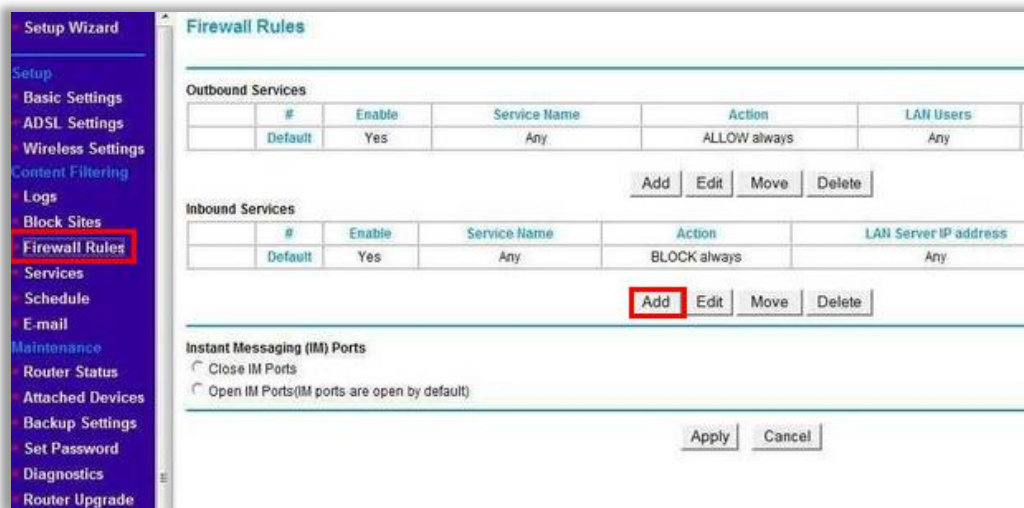
Name: Whatever you want

Type: TCP

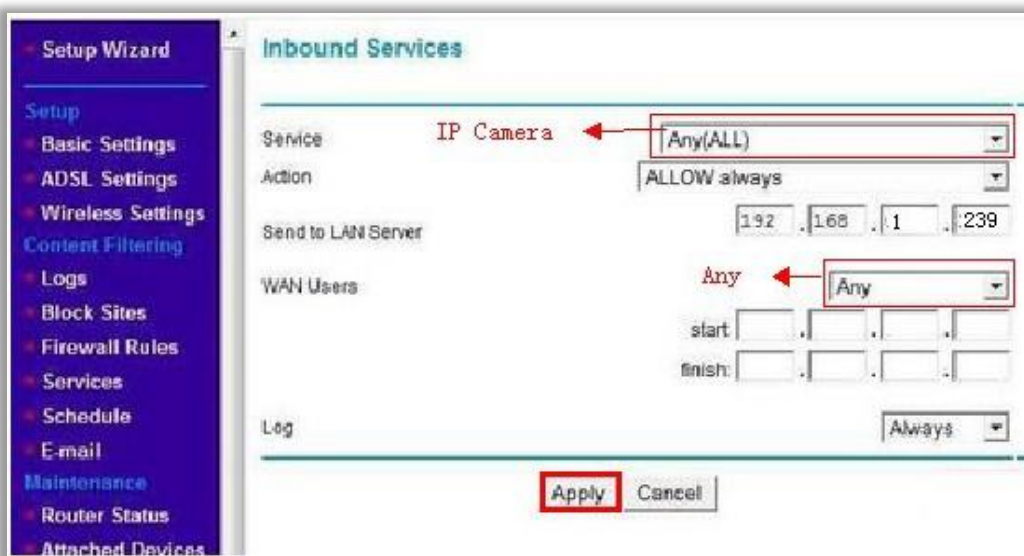
Start Port: The camera's port

End Port: The camera's port

- Click the **Firewall Rules** link; and then click the **Inbound Services Add** button.



- Add the user-defined IP Service in **Inbound Services**.



Service: Select the service you added in Service settings

Action: Allow always

Send to LAN Server: The IP of the IP Camera

Wan User: Any

Log: Always or None

For Netgear Routers 3

1. Enter the internal IP address of your router in the address bar of web browser. For these routers, in general, it is http://192.168.1.254
2. Click the **Port Forwarding / Port Triggering** link and Click **Add Custom Service** button.

Port Forwarding / Port Triggering

Please select the service type

Port Forwarding
 Port Triggering

Service Name: AIM Server IP Address: 192 . 168 . 1

#	Service Name	Start Port	End Port
1	utorrent	8821	8821
2	AIM	5190	5190
3	DC	6789	6789

Edit Service Delete Service Add Custom Service

3. Add a customer service for the camera

Ports - Custom Services

Service Name: ip camera
Service Type: TCP/UDP
Starting Port: 81 (1~65534)
Ending Port: 81 (1~65534)
Server IP Address: 192 . 168 . 1 . 239

Apply Cancel

Name: It is just a name, whatever you want for port forwarding,

Type: TCP

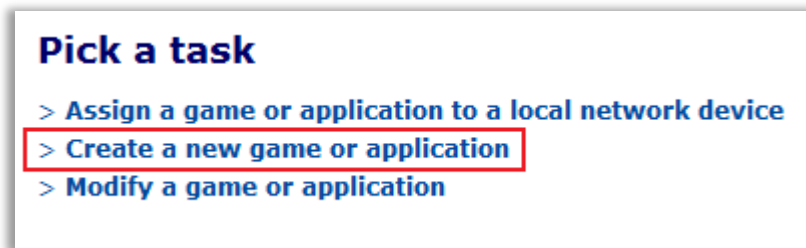
Start Port: The camera's port

End Port: The camera's port

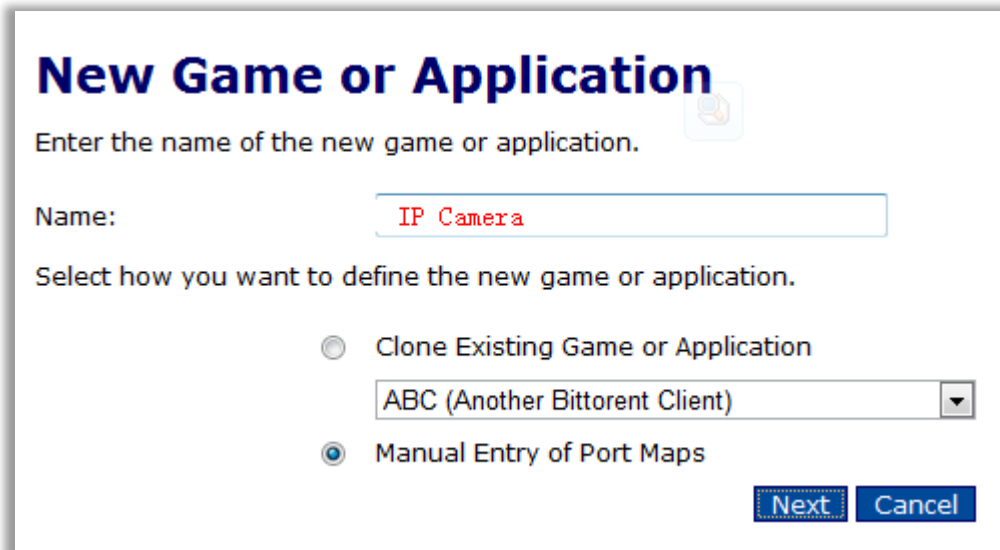
Server IP Address: The camera's IP address

For O2/ Thomson routers

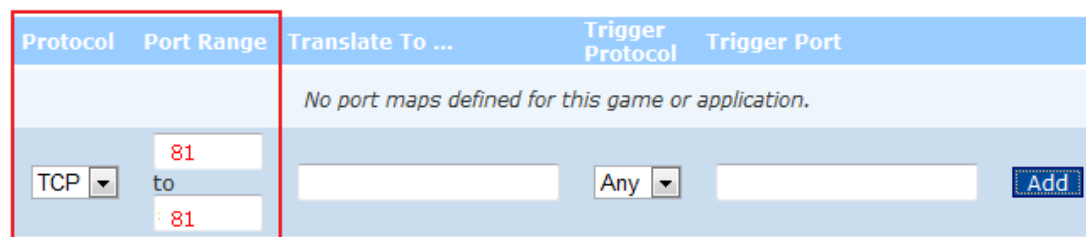
1. Open <http://192.168.1.254> in a web browser. If you are prompted for a login, the username is "Administrator" and the password is the serial number of your router (printed on its underside, excluding the bit in brackets).
2. Click **Toolbox > Game & Application Sharing > Create a new game or application.**



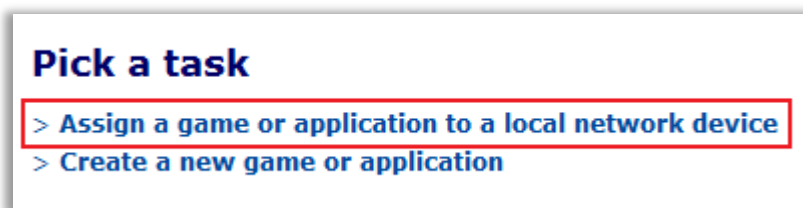
3. Enter the name of your application, e.g. IP Camera, click "Manual Entry of Port Maps", and then click Next.



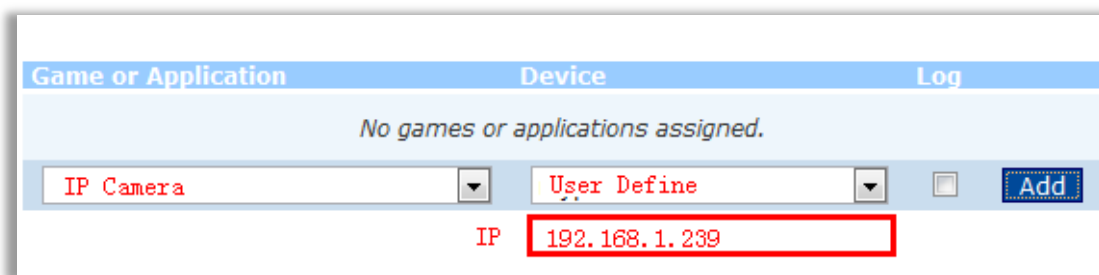
4. Select the protocol of your application from the drop down list under Protocol option. Enter port number of your camera in the two text boxes under Port Range option, and then click Add. Repeat this step for all the ports you need to forward.



5. Click **Assign a game or application to a local network device**.



6. Select your newly created application in "Game or Application", e.g. "IP Camera" select your device in Device or select User Define and input the camera's IP address, e.g. "192.168.1.239", then click Add.



For Sky/Sagmen Routers

1. Enter the internal IP address of your router in the address bar of web browser. For Sky/Sagmen routers, in general, it is http://192.168.0.1
2. Click **SECURITY - SERVICE**, and click **ADD CUSTOM SERVICE**



3. Add a Custom Service

SETUP | SECURITY | MAINTENANCE | ADVANCED
 LOGS | BLOCK SITES | FIREWALL RULES | SERVICES | SCHEDULE |
BROADBAND SETUP
SERVICES - ADD CUSTOM SERVICE - PORT FORWARDING

Service Definition
 Name:
 Type:
 Start Port:
 Finish Port:

Name: It is just a name whatever you want for port forwarding,

Start Port: the camera's port

Finish Port: the camera's port1

Type: TCP

Click **APPLY**

4. Click **SECURITY - FIREWALL RULES - INBOUND SERVICE**, add the service to the camera

SETUP | SECURITY | MAINTENANCE | ADVANCED
 LOGS | BLOCK SITES | FIREWALL RULES | SERVICES | SCHEDULE |
BROADBAND SETUP
FIREWALL RULES - INBOUND SERVICES

Service:
 Action:
 Send to LAN Server: . . .
 WAN Users:
 Start: . . .
 Finish: . . .
 Log:

Service: Select the service you just added.

Action: ALLOW always

Send to LAN Server: The camera's IP address

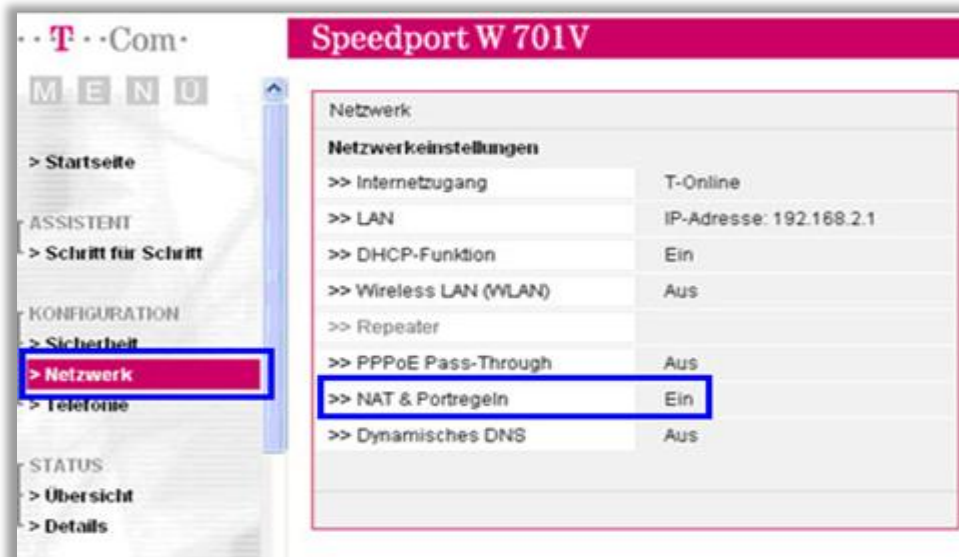
WAN Users: Any

Log: Never

Click **APPLY**

For Speedport Routers 1

1. Login your router. Click **Netzwerk** and **NAT & Portregeln**.



2. Click **Neue Regel anlegen**



3. Set port forwarding.



Bezeichnung: A name for port forwarding

IP-Adresse: The camera's IP address

Protokoll: TCP

Ports: The camera's port

Ports: The camera's port

4. Then the camera has been forwarded to Internet.



For Speedport (Deutsch) Routers 2

1. Enter the internal IP address of your router in the address bar of web browser. For these routers, in general, it is `http://192.168.1.1`
2. Click **Netzwerk - Nat & Portregeln**, and click **ADD CUSTOM SERVICE**

T-Com **Speedport W 700V**

Modus T-DSL / Festnetz

- > Startseite
- ASSISTENT
- > Schritt für Schritt
- KONFIGURATION
 - > Sicherheit
 - > Netzwerk**
 - > Telefonie
- STATUS
- > Übersicht

Netzwerk

Netzwerkeinstellungen

- >> Internetzugang T-Online
- >> LAN IP-Adresse: 192.168.2.1
- >> DHCP-Funktion Ein
- >> Wireless LAN (WLAN) Ein
- >> Repeater Aus
- >> PPPoE Pass-Through Aus
- >> NAT & Portregeln 0 Regel(n)**
- >> Dynamisches DNS Ein

3. Click **PCs übernehmen & freigeben**

Modus T-DSL / Festnetz

- > Startseite
- ASSISTENT
- > Schritt für Schritt
- KONFIGURATION
 - > Sicherheit
 - > Netzwerk**
 - > Telefonie

Netzwerk / NAT & Portregeln

PC Liste für Portregeln

- >> PCs übernehmen & freigeben** 1 PCs übernom

Portregeln

- >> Port-Weiterleitung 0 Regel(n)
- >> Port-Umleitung 0 Regel(n)
- >> Port-Öffnung (dynamisch) 0 Regel(n)

4. Find your IP camera here and Add PC-Name to the camera

Modus T-DSL / Festnetz

- > Startseite
- ASSISTENT
- > Schritt für Schritt
- KONFIGURATION
 - > Sicherheit
 - > Netzwerk**

Netzwerk / NAT & Portregeln / PCs übernehmen & freigeben

PCs übernehmen & freigeben

MAC-Adresse	IP-Adresse	PC-Name
64-70-02-FD-7D-EB	192.168.1.239	TENVIS <input type="text"/>

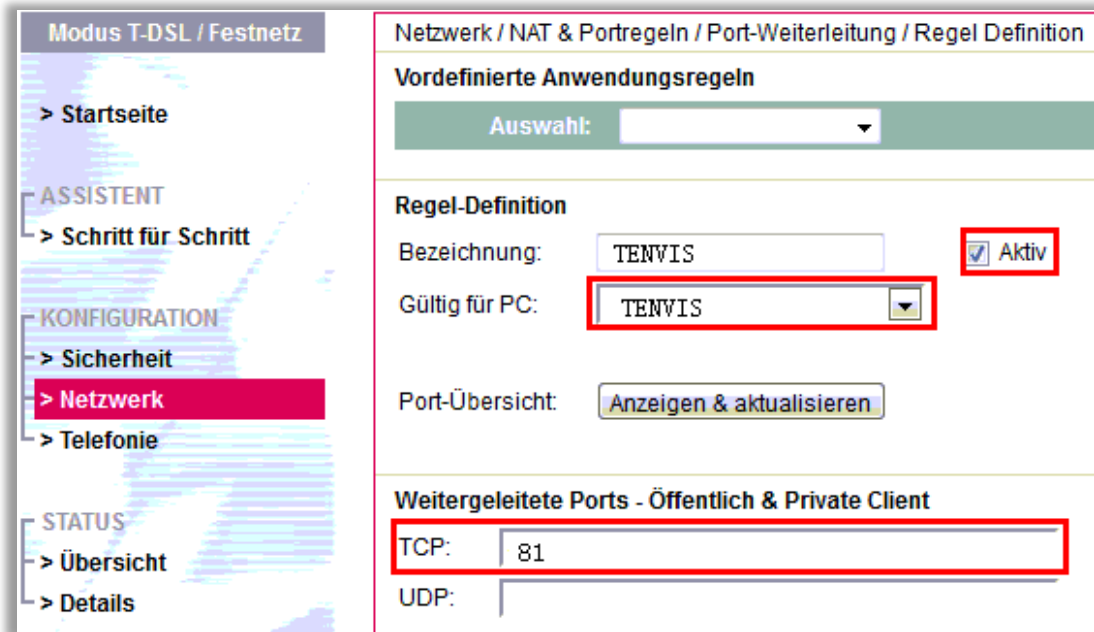
5. Click **SECURITY - FIREWALLRULES**, add the service to the camera

Modus T-DSL / Festnetz		Netzwerk / NAT & Portregeln	
<ul style="list-style-type: none"> > Startseite ASSISTENT > Schritt für Schritt KONFIGURATION > Sicherheit > Netzwerk > Telefonie 		PC Liste für Portregeln	
		>> PCs übernehmen & freigeben	1 PCs übernommen
		Portregeln	
		>> Port-Weiterleitung	0 Regel(n)
		>> Port-Umleitung	0 Regel(n)
		>> Port-Öffnung (dynamisch)	0 Regel(n)

6. Select **Neue Regel definieren**

Modus T-DSL / Festnetz		Netzwerk / NAT & Portregeln / Port-Weiterleitung	
<ul style="list-style-type: none"> > Startseite ASSISTENT > Schritt für Schritt KONFIGURATION > Sicherheit > Netzwerk > Telefonie STATUS > Übersicht > Details 		Port-Weiterleitung	
		>> Neue Regel definieren	
		>> Neue Regel definieren	
		>> Neue Regel definieren	
		>> Neue Regel definieren	
		>> Neue Regel definieren	
		>> Neue Regel definieren	
		>> Neue Regel definieren	
		>> Neue Regel definieren	
		>> Neue Regel definieren	

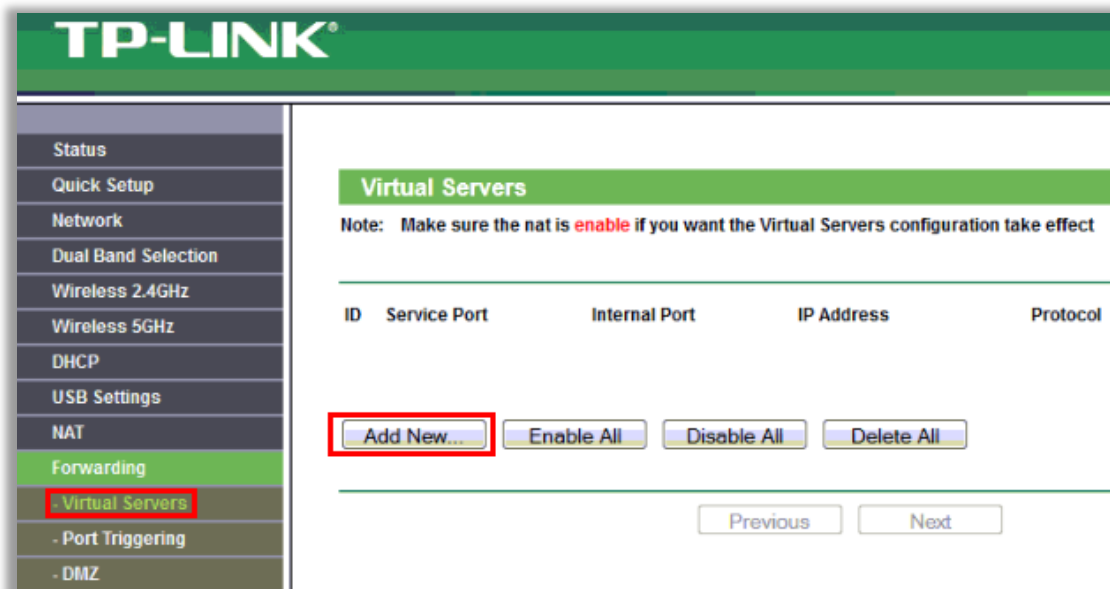
7. Set port forwarding



- Bezeichnung:** It is just a name whatever you want for port forwarding
- Gültig für PC:** Select the camera you just added
- TCP:** The camera's port

For TP-Link Routers 1

1. Enter the internal IP address of your router in the address bar of your browser. For TP-link routers, in general, it is http://192.168.1.1
2. Click **Forwarding - Virtual Servers**



3. Set port forwarding

Add or Modify a Virtual Server Entry

Service Port: (XX-XX or XX)

Internal Port: (XX, Only valid for single Service Port or leave it blank)

IP Address:

Protocol:

Status:

Common Service Port:

Service Port: the camera's port

Internal Port: the camera's port

IP Address: the camera's IP address

Protocol: ALL or TCP

Status: Enabled

Click **Save**

For TP-Link / Binatone Routers

1. Open a web browser like Internet Explorer or Chrome. Enter the internal IP address of your router in the address bar of your browser. For these routers, in general, it is `http://192.168.1.1`
2. Click **Advanced Setup - Virtual Servers**

Advanced | Quick Start | Interface Setup | **Advanced Setup** | Access Management | Maintenance

Firewall | Routing | **NAT** | QoS | VLAN | ADSL

NAT

Virtual Circuit :

NAT Status : Activated

Number of IPs : Single Multiple

3. Set port forwarding

Virtual Server

Virtual Server for : Single IP Account

Rule Index : 1

Application : tennis

Protocol : ALL

Start Port Number : 81

End Port Number : 81

Local IP Address : 192.168.1.239

Application: A name for port forwarding, e.g. TENNIS

Protocol: ALL or TCP

Start Port Number: the camera's http port, e.g. 81

End Port Number: the camera's http port, e.g. 81

Local IP Address: the camera's IP address, e.g.192.168.1.239

Click **Save**

For Virgin Routers 1

1. Enter the internal IP address of your router in the address bar of web browser. For these routers, in general, it is http://192.168.0.1 or http://192.168.0.254
2. Click **Advanced - Port Forwarding**

Virgin media

Port Forwarding

Active Forwarding Rules

	Name	Start Port	End Port	Protocol	Local IP Address
<input type="radio"/>	ip 1	81	81	Both	192.168.0. 239
<input type="radio"/>	ip 2	82	82	Both	192.168.0. 240

Choose Predefined Service

Service: -SERVICES-

Add Custom Rules

Name	Start Port	End Port	Protocol	Local IP Address
TENNIS	81	81	Both	192.168.0 . 239

Name: A name whatever you want for port forwarding

Start Port: the camera's port

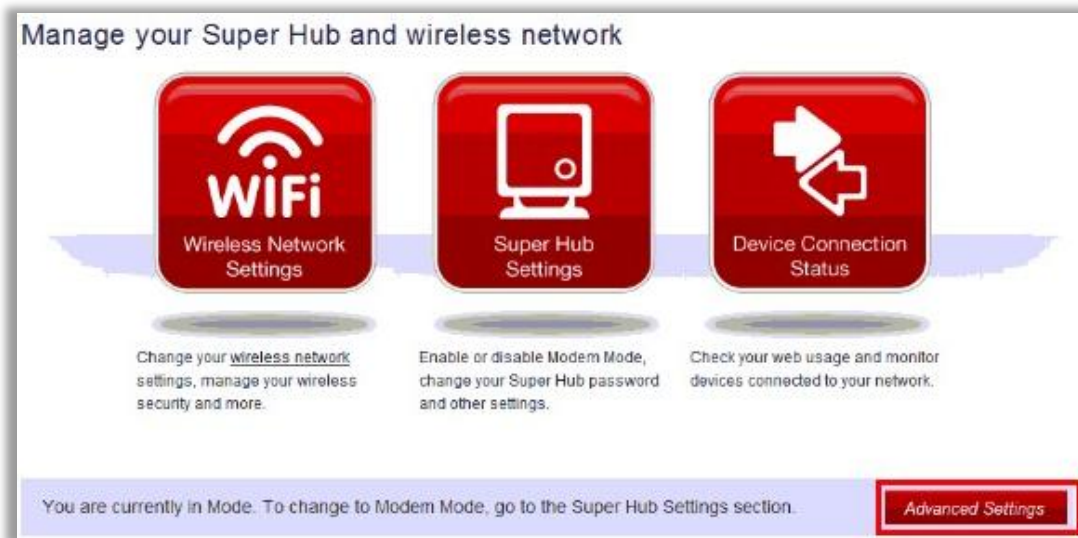
End Port: the camera's port

Local IP Address: the camera's IP address

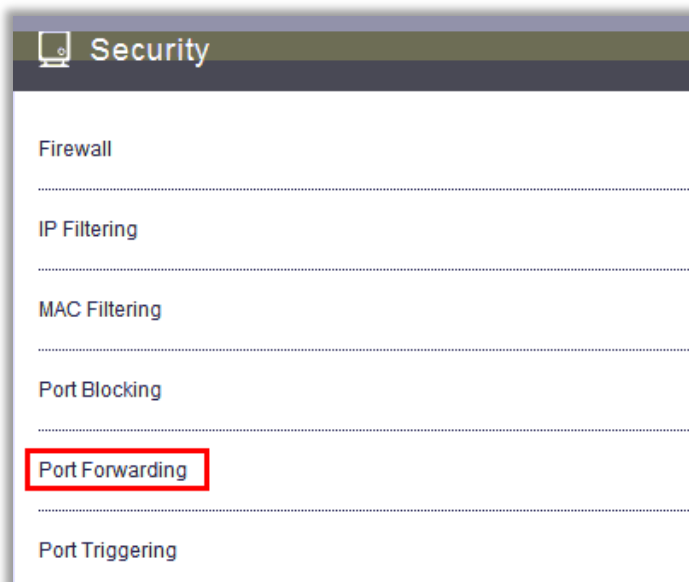
Click **Add**

For Virgin Routers 2

1. Enter the internal IP address of your router in the address bar of web browser. For these routers, in general, it is <http://192.168.0.1>
2. Click **Advanced Settings**



3. Select Port Forwarding



4. Set Port Forwarding

Predefined Rule

Service ?

Add Rule

Name ?

Start Port ? End Port ?

Protocol ?

IP Address 192.168.0. ?

Name: A name whatever you want for port forwarding

Start Port: the camera's port

End Port: the camera's port

Protocol: TCP

IP Address: the camera's IP address

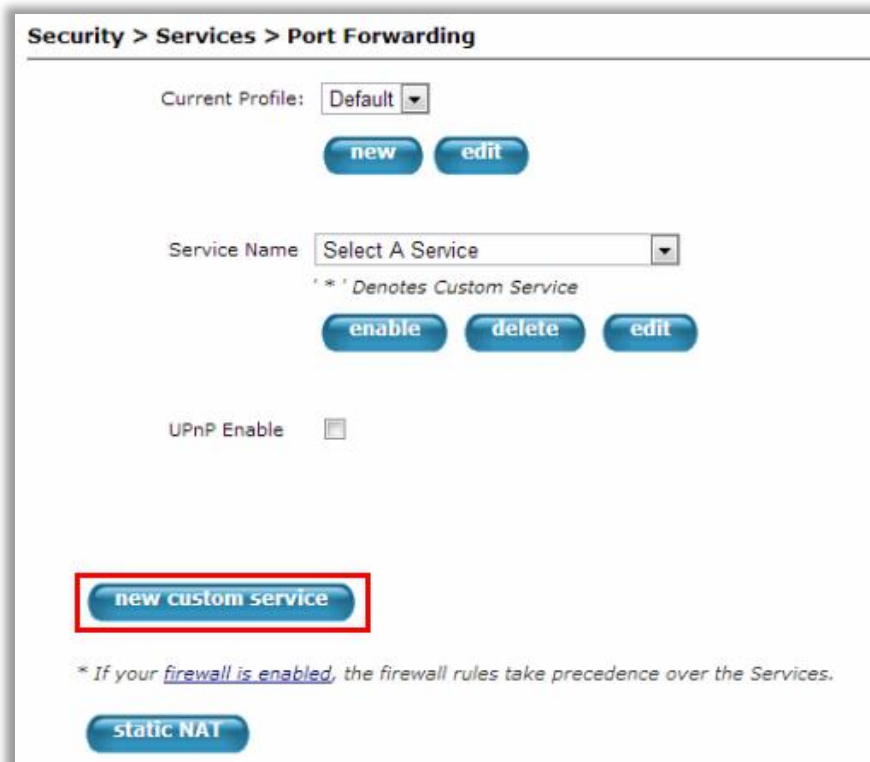
Click **Add Rule**

For Webtell Routers

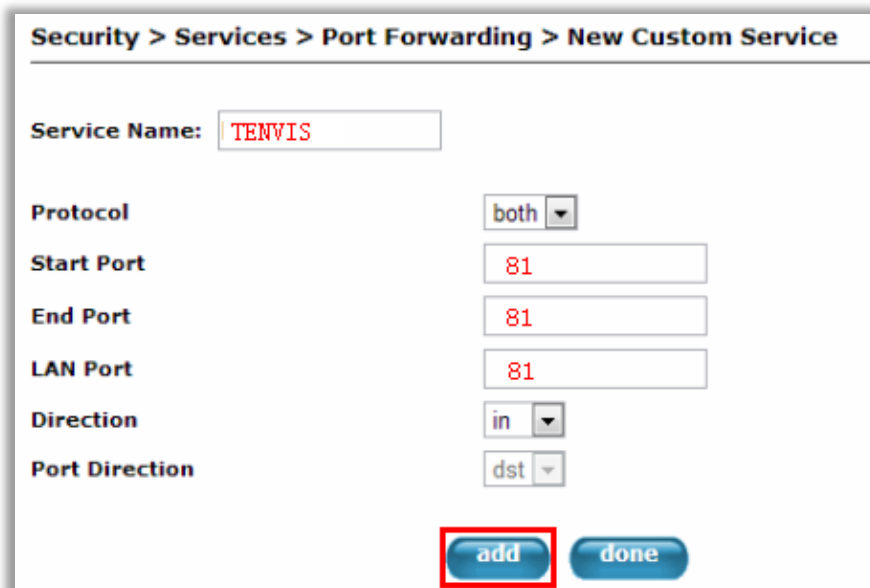
1. Enter the internal IP address of your router in the address bar of web browser. For these routers, in general, it is http://192.168.200.1
2. Click **Security - Service - Port Forwarding**



3. Click **new custom service**



4. Add a new custom service

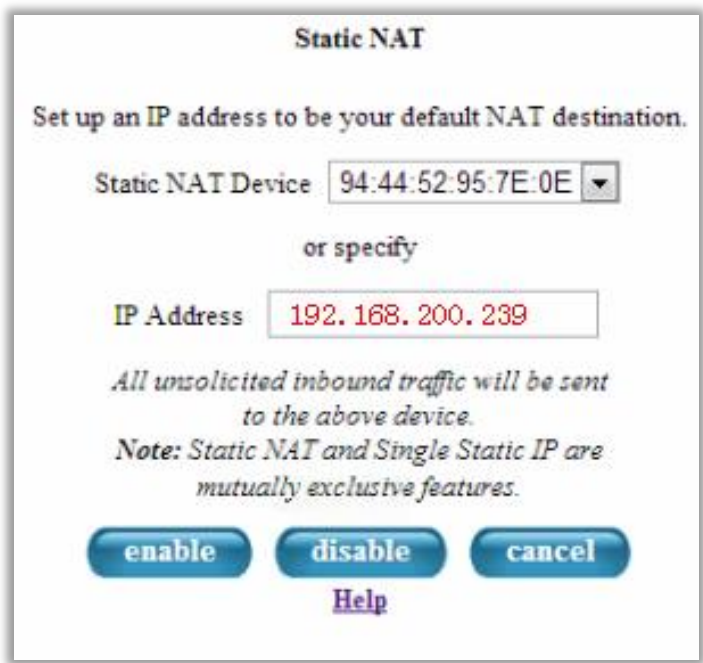


Service Name: A name whatever you want for port forwarding
Select the service you just added.

5. And click **static NAT**



6. Enter the IP address of the camera, click **Enable**.

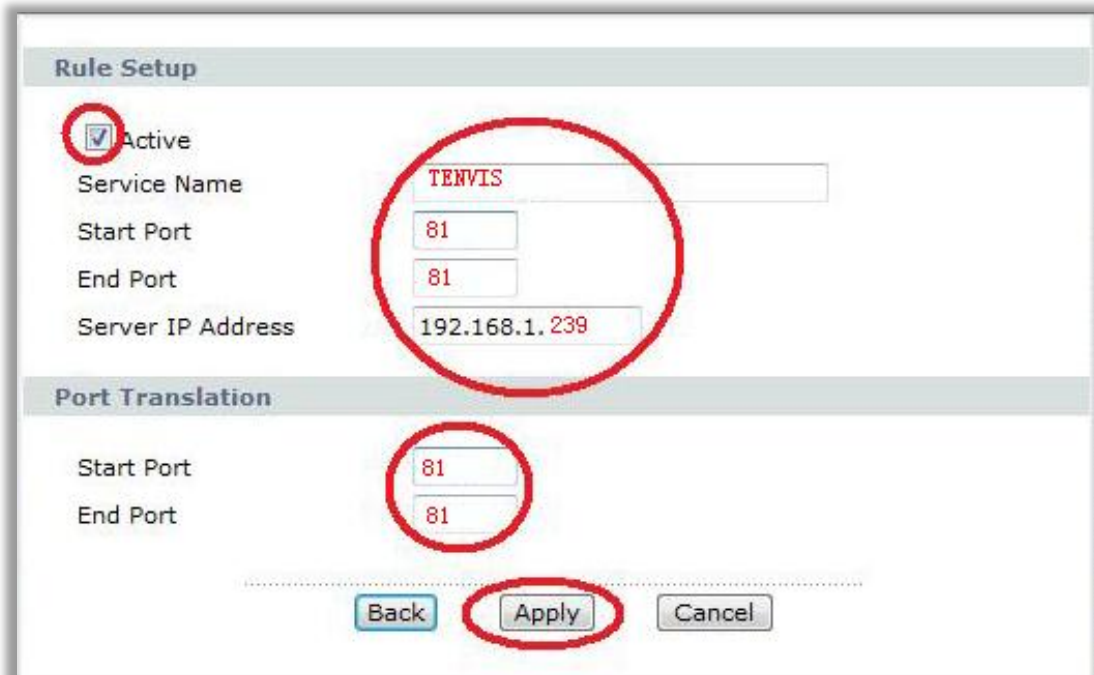


For Zyxel Routers

1. Enter the internal IP address of your router in the address bar of web browser. For these routers, in general, it is <http://192.168.1.254>
2. Click **Network - NAT**, and click **Port Forwarding**



3. Add a new rule



Service Name: It is just a name whatever you want for port forwarding

Start Port: the camera's port

End Port: the camera's port

IP Address: The camera's IP address

Click **Apply**