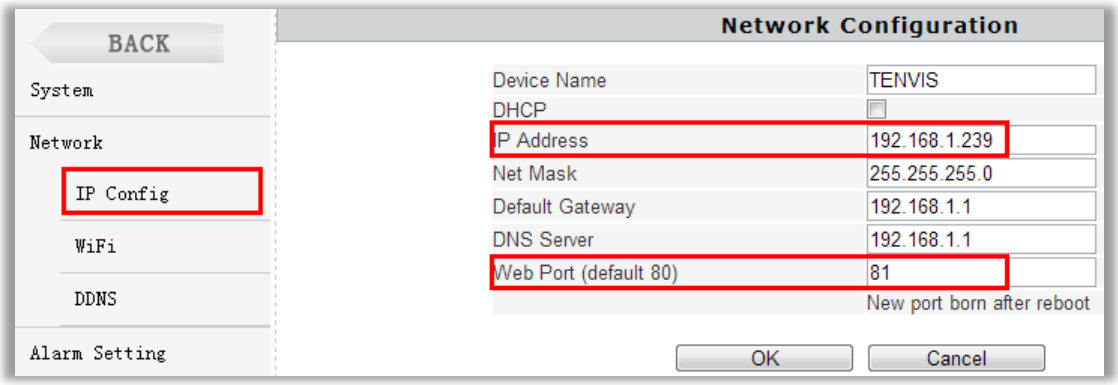
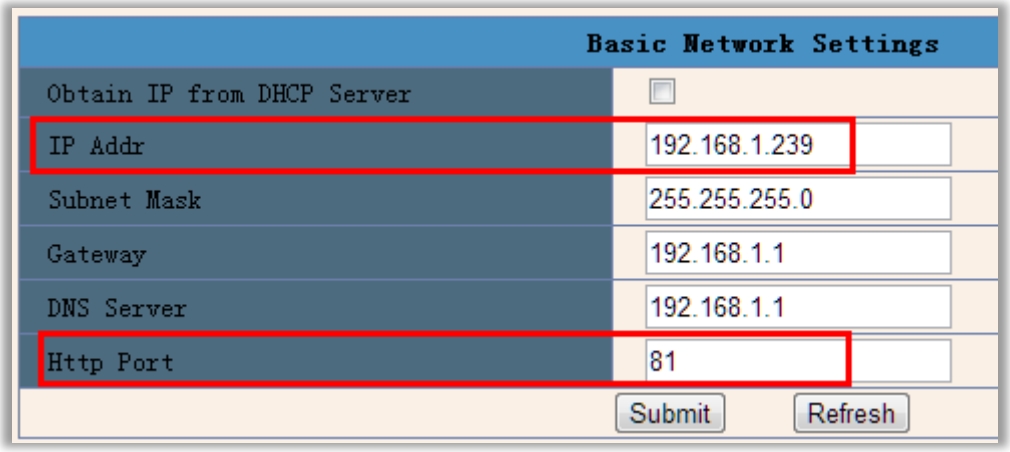
Catalogue

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 find help us the provider of the router, such as your ISP.
2. Find your camera's IP address and port, you could find them from network configuration.

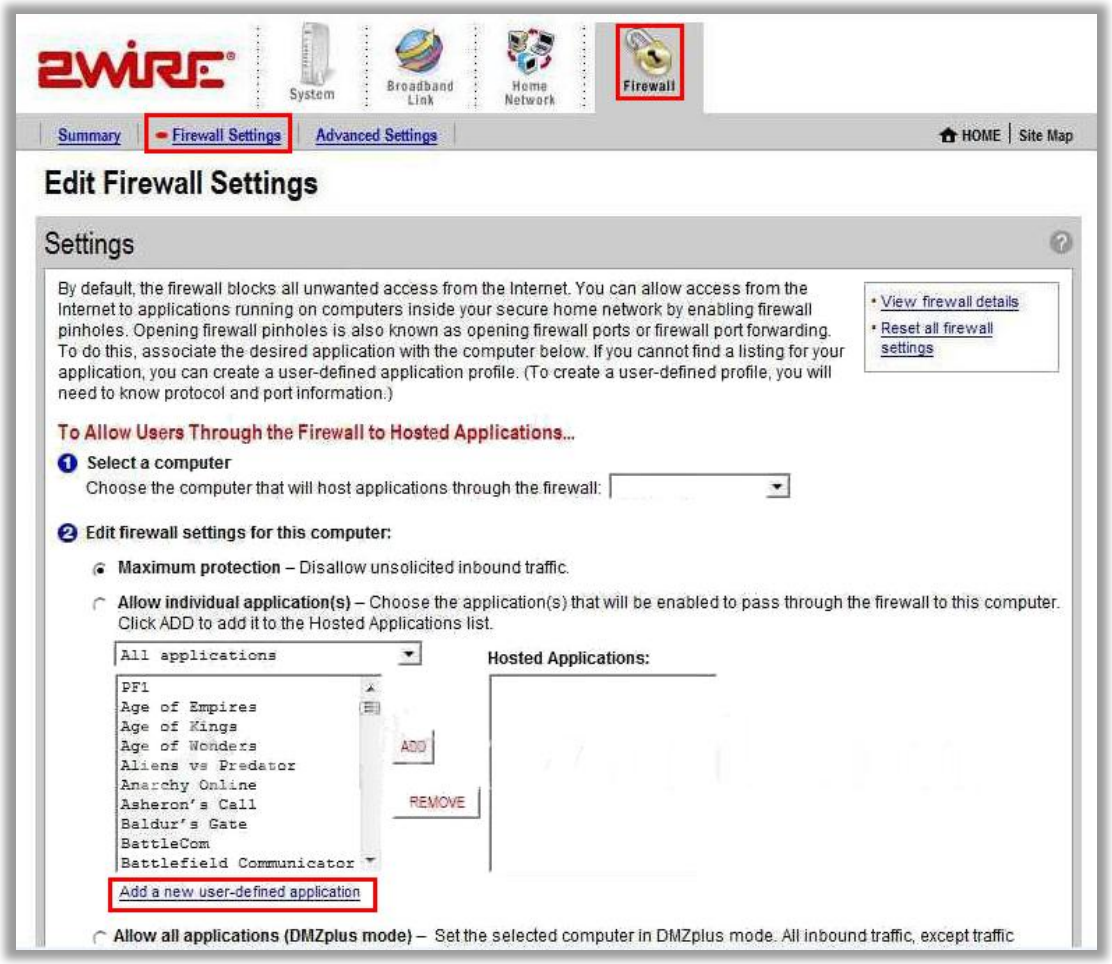




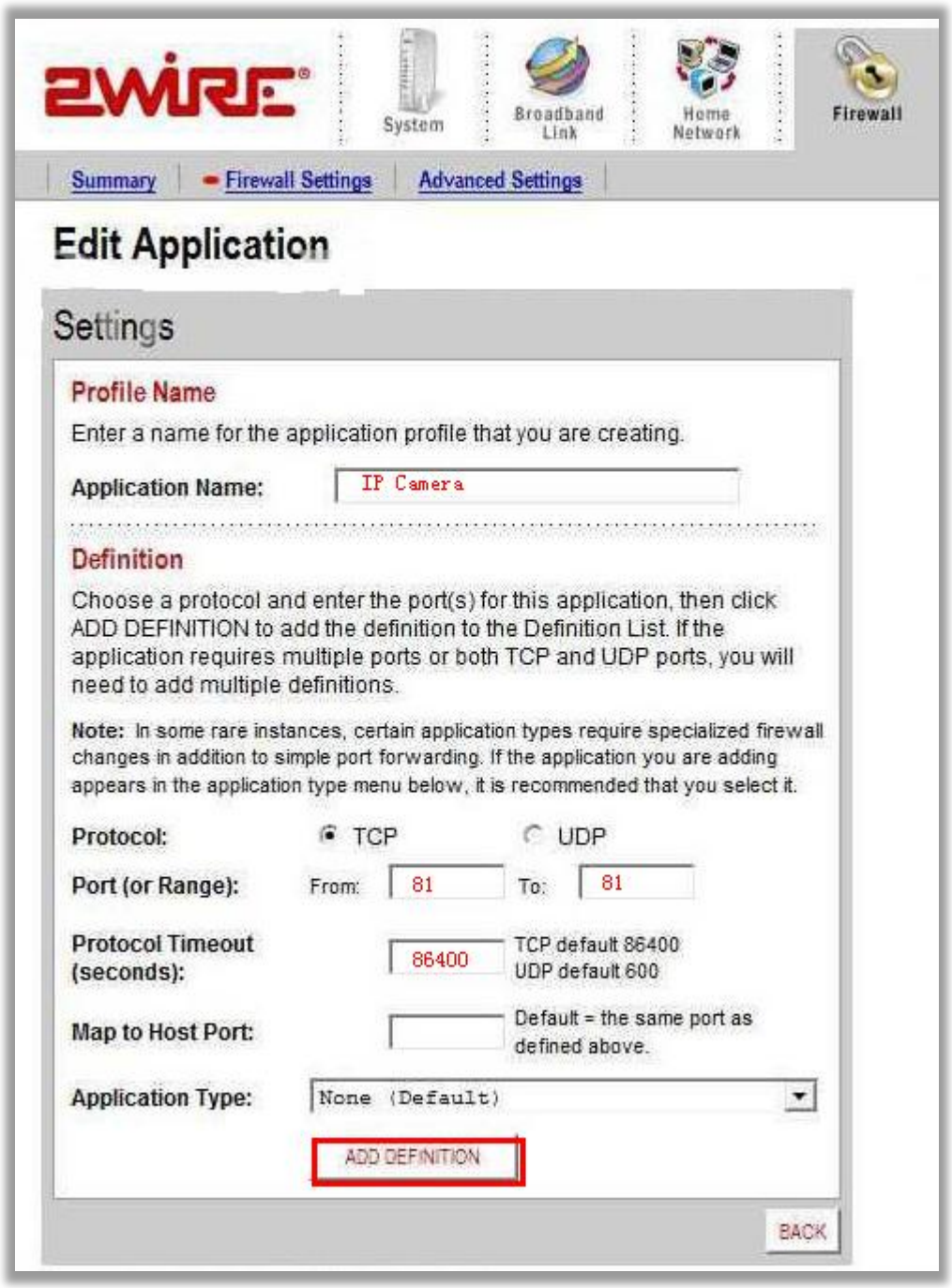
The IP and port of the camera is very important for port forwarding.

For 2wire Router

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**

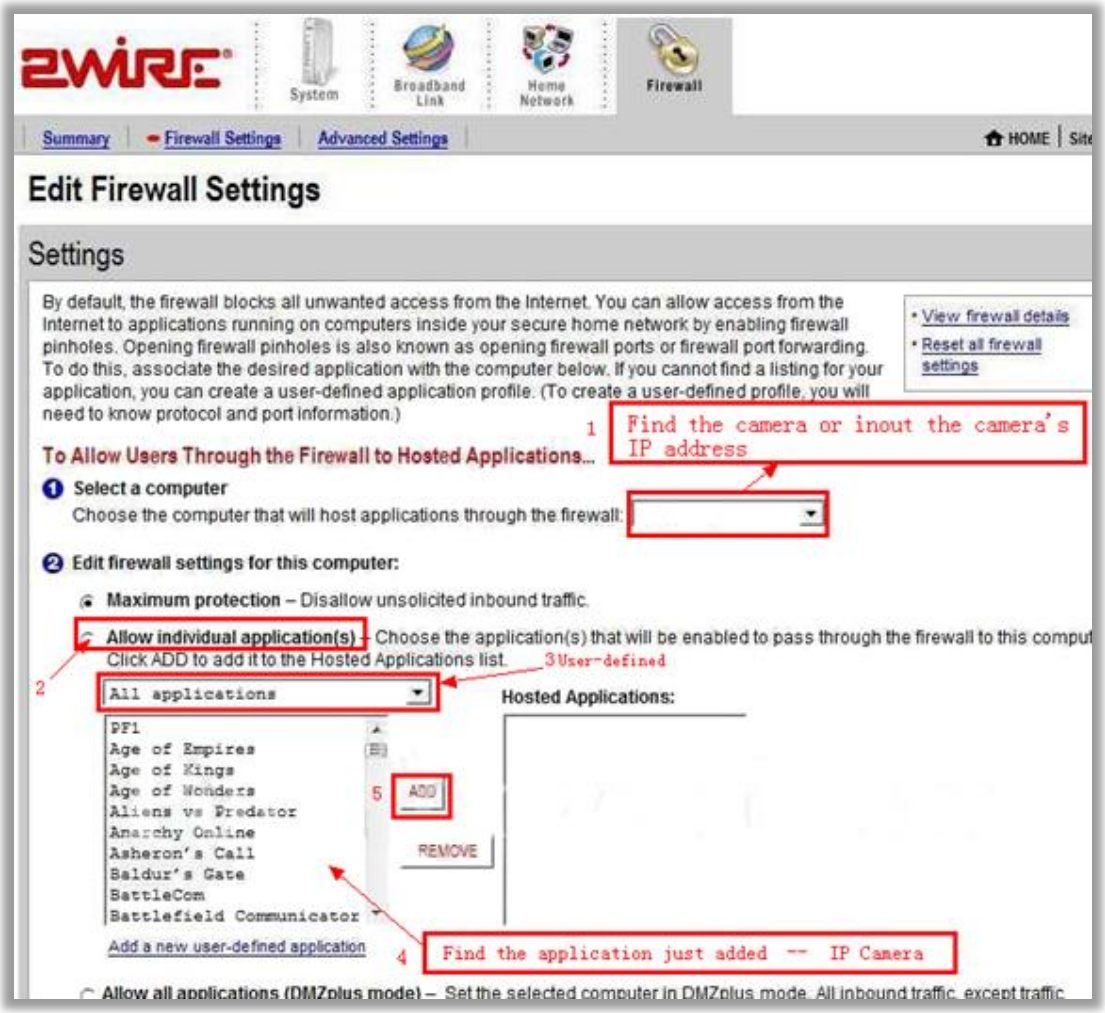


3. Add a new user-defined application.



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**

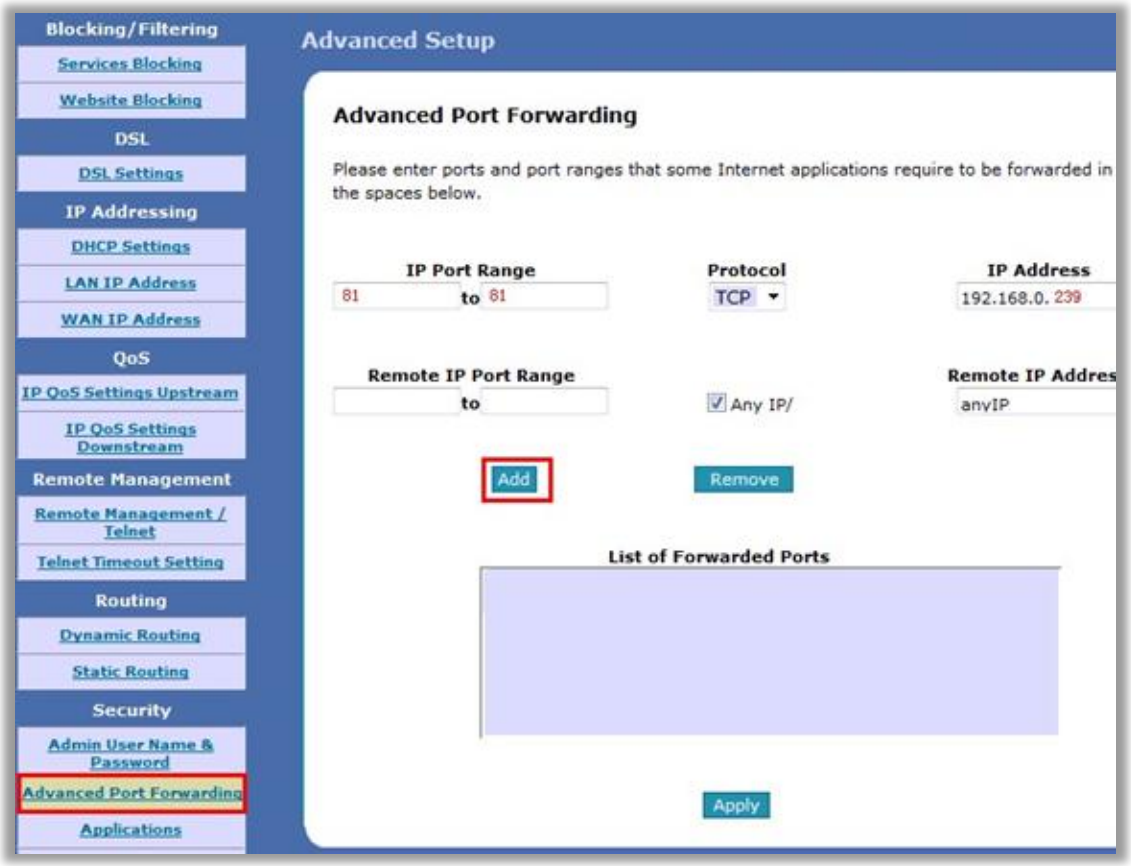
Select **User-defined**

Find your application you just added.

Click **Add**

For Actiontec Routers

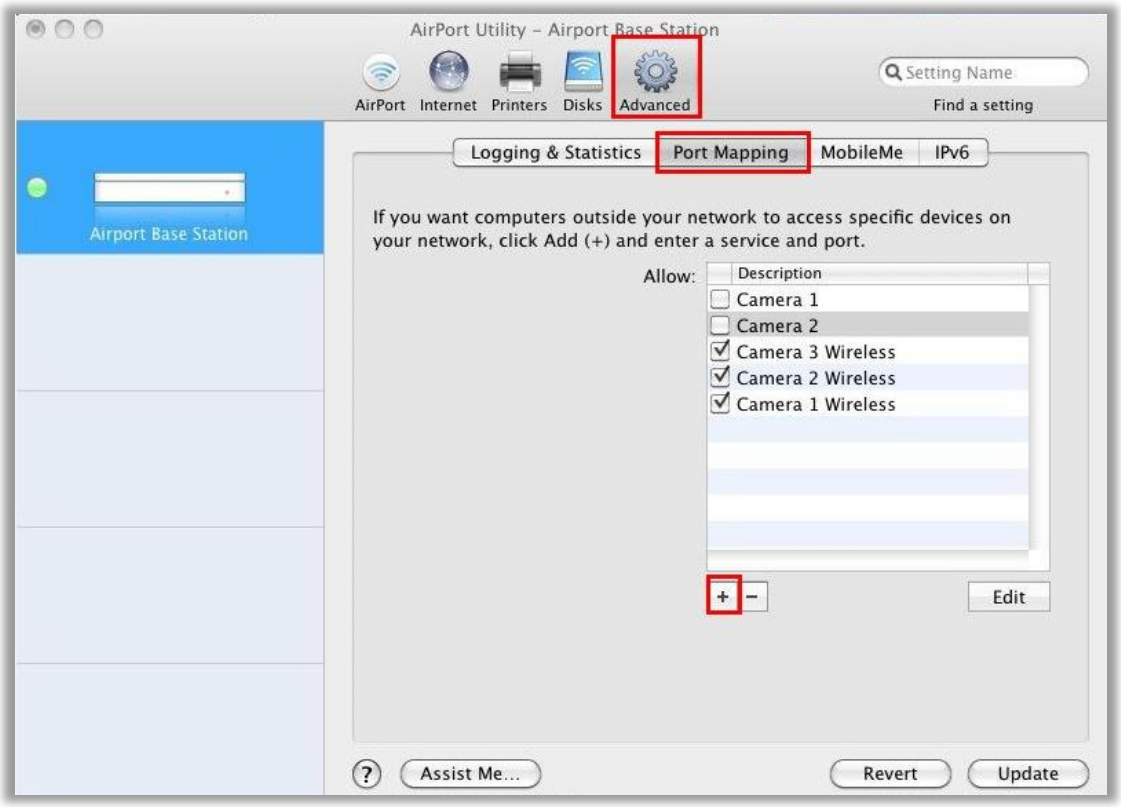
1. Open a web browser like Internet Explorer or Chrome. Enter the internal IP address of your router in the address bar of your browser. For theses routers, in general, it is http://192.168.0.1
2. Click **Advanced Port Forwarding**



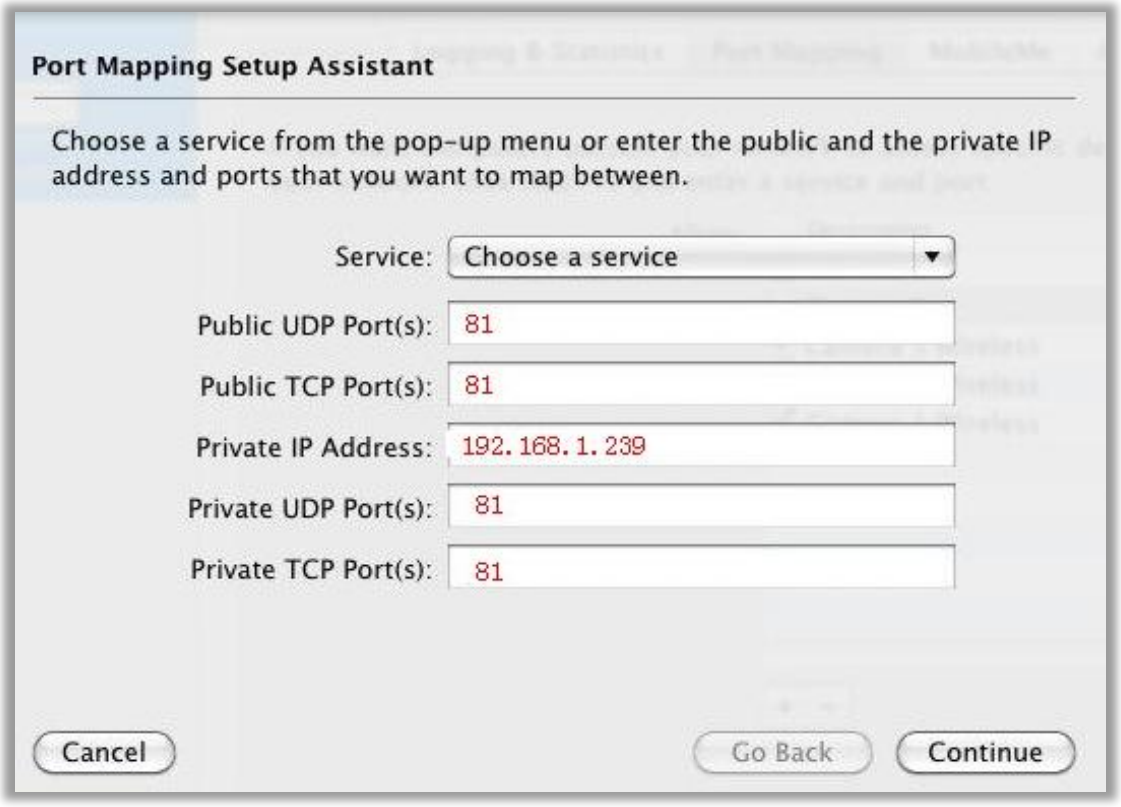
IP Port Range: The camera's port.
Protocol: TCP
IP Address: The camera's IP address.
Click **Apply**

For Apple Airport Extreme or Time Capsule

1. Go to your finder and type in Airport in the search and find your Airport Utility program.
2. If it prompts you to be configured manually or not select Manual
3. Find the Advanced Tab at the top and select it
4. Choose the Port Mapping option here



Add a service for IP camera.



Service: Choose a service

Public UDP Ports: the camera's port

Public TCP ports: the camera's port

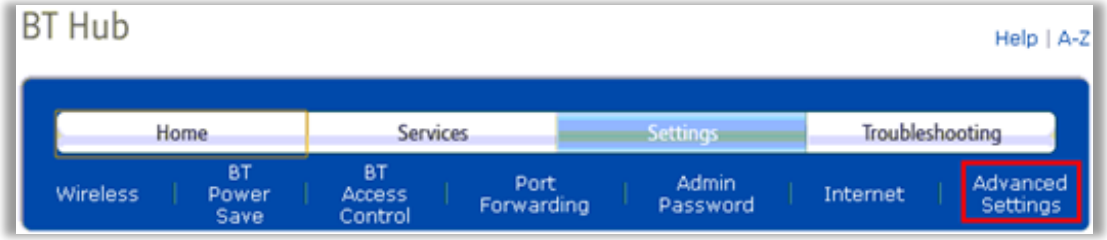
Private IP Address: the camera's IP address
Private UDP ports: the camera's port
Private TCP ports: the camera's port

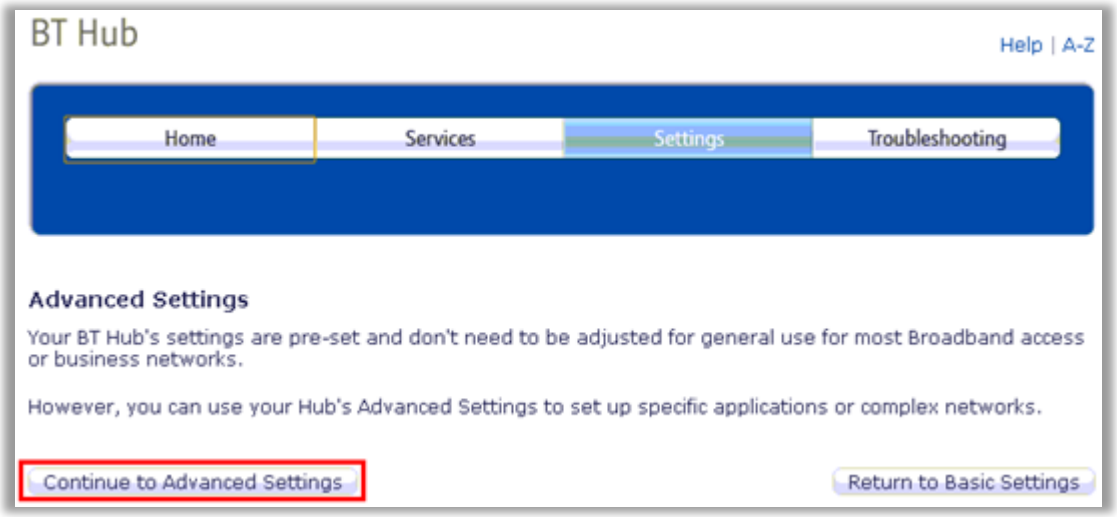
Tips:

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

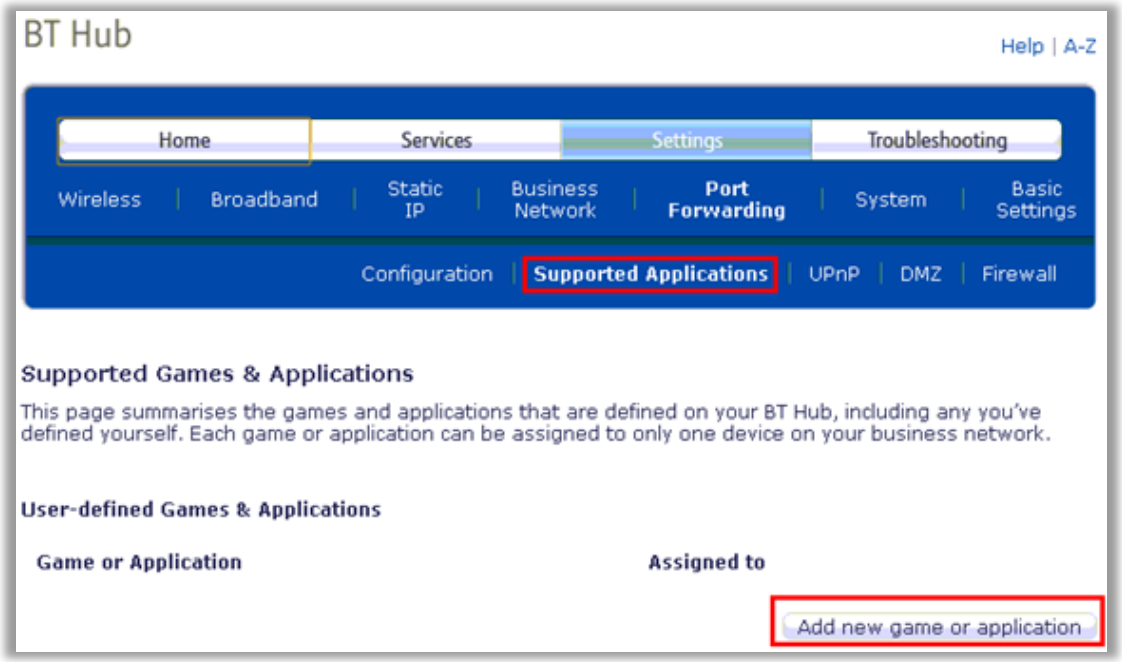
For BT BTHomeHub Routers

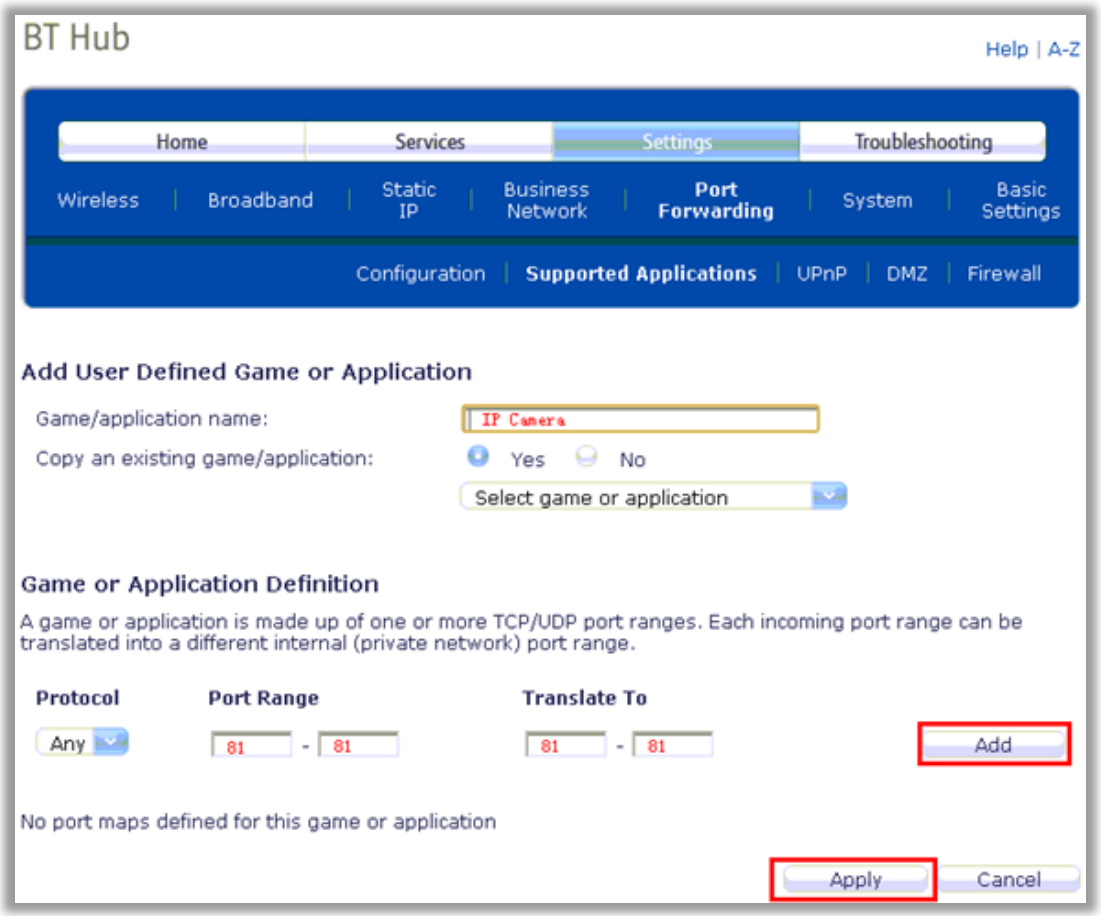
1. Open a web browser like Internet Explorer, Chrome, Firefox & etc. Enter the internal IP address of your router in the address bar of your browser. For BT routers, in general, it is http://192.168.1.254
2. Click **Advanced Settings** and Continue to Advanced Settings





3. Click **Supported Applications** and add a 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

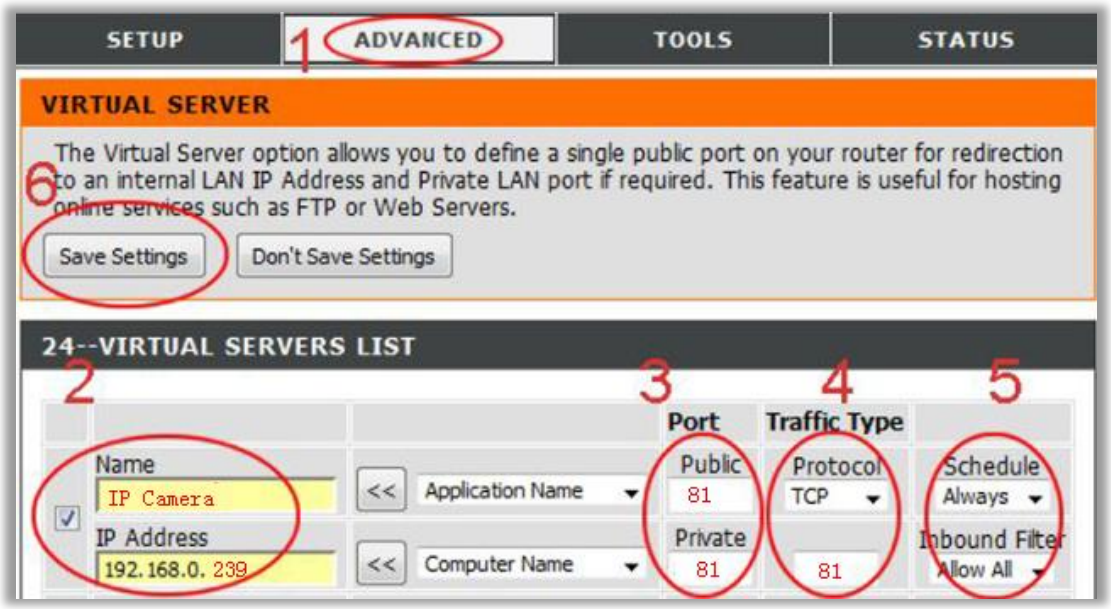
4. Click Configuration, Select the application you just added in Game or Application List.

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**



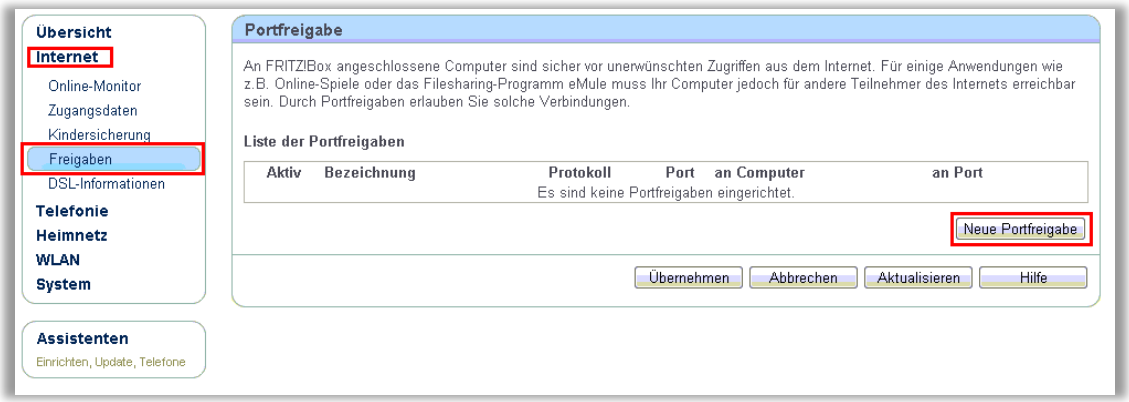
Name: It is just a name whatever you want for port forwarding,
Public: the camera's port
Private: the camera's port
Protocol: TCP

Schedule: Always
Inbound Filter: Allow All
Click **Save Setings**

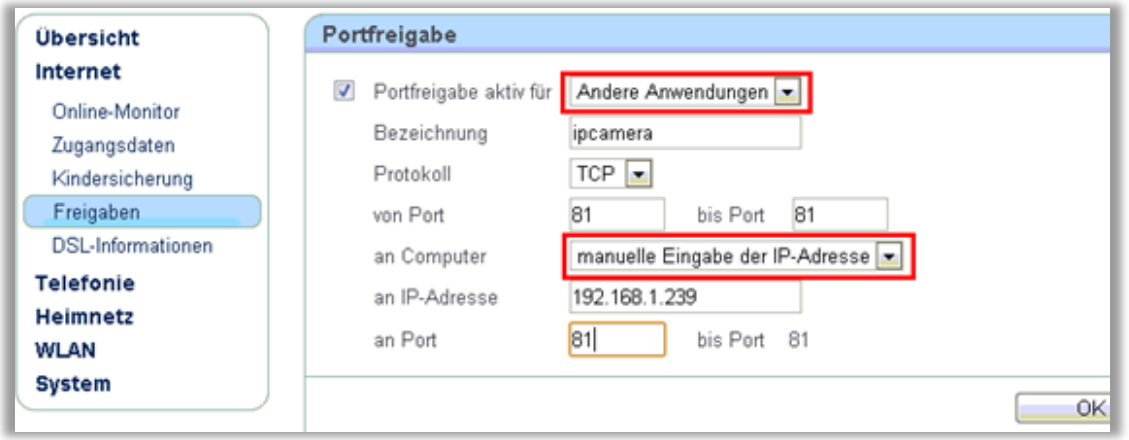
For FRITZ!! Routers

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

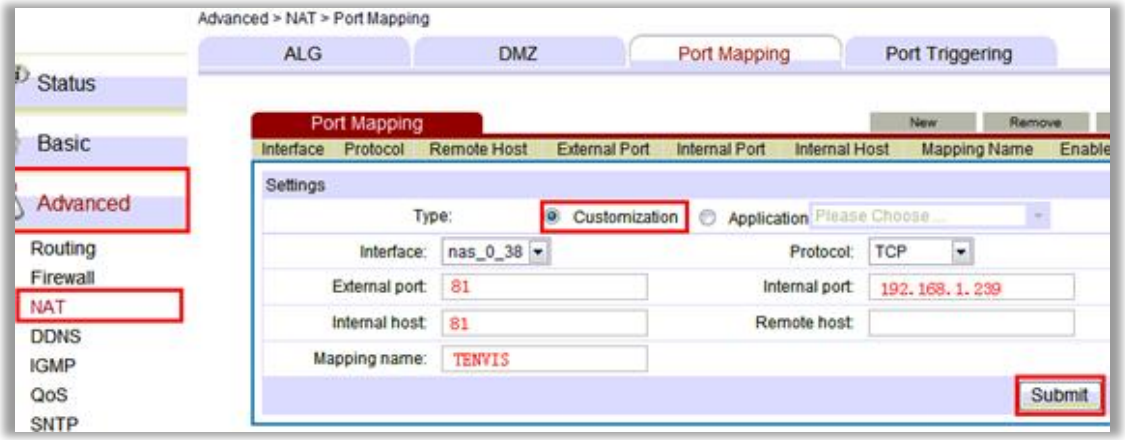


Select **Andere Anwendungen** from the **Portfreigabe aktiv fur** drop down box.
Bezeichnung: A name, whatever you want
Protokoll: TCP
von Port: The camera's port
bis Port: The camera's port
an Computer: manuelle Eingabe der IP-Adresse
an IP-Adresse: The camera's IP address
an Port: The camera's port

For Huawei 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 --- NAT**, and click **Port Mapping**

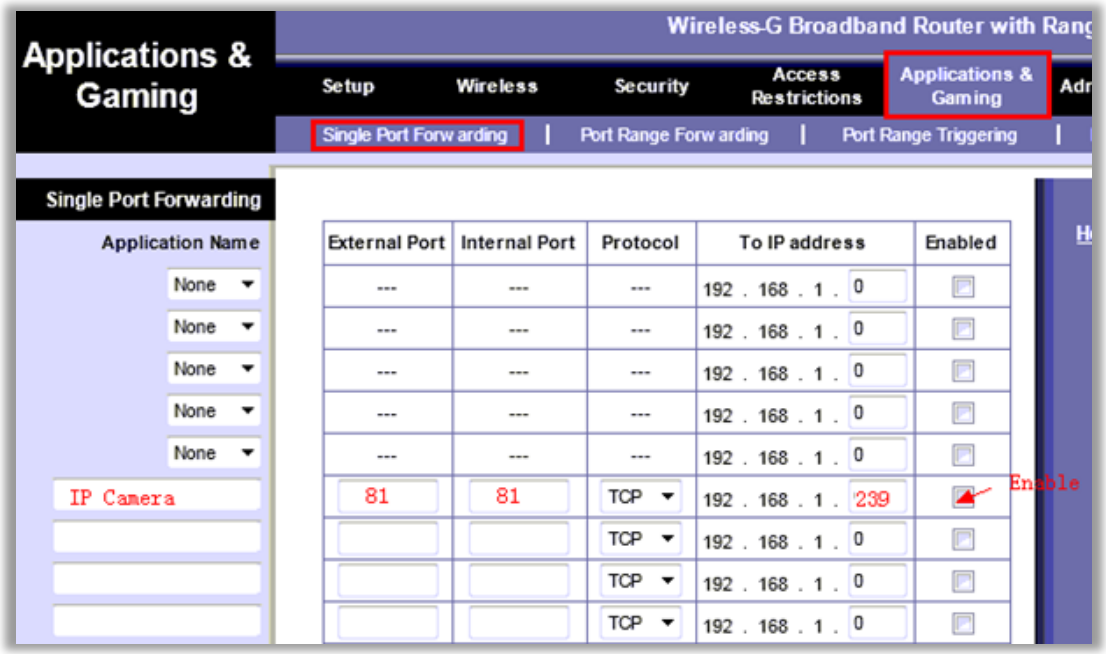


Name: Whatever you want, it Is just a name, eg: TENVIS IP Camera
Public: the camera's http port, eg: 81
Private: the camera's http port, eg: 81
Protocol: TCP
Schedule: Always
Inbound Filter: Allow All
Click **Save Setings**

For Linksys W Series 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 these Series routers, in general, it is http://192.168.1.1

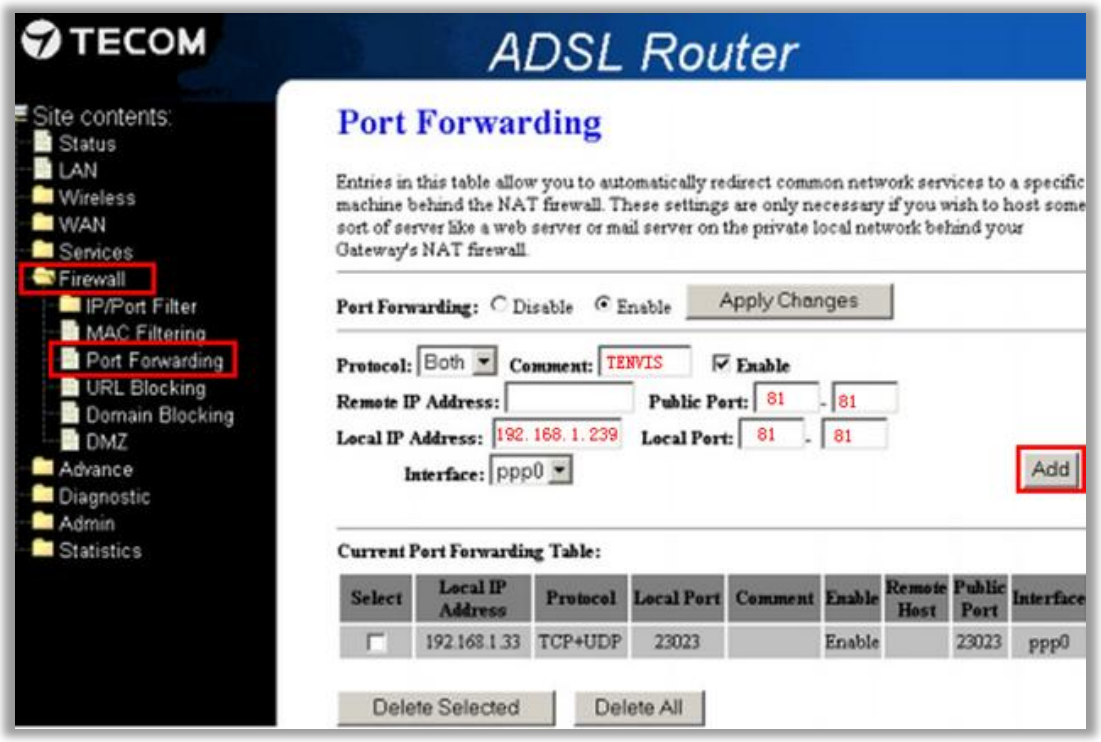
2. Click **Application & Gaming** and click **Single Port Forwarding**



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. 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 **Firewall – Port Forwarding**



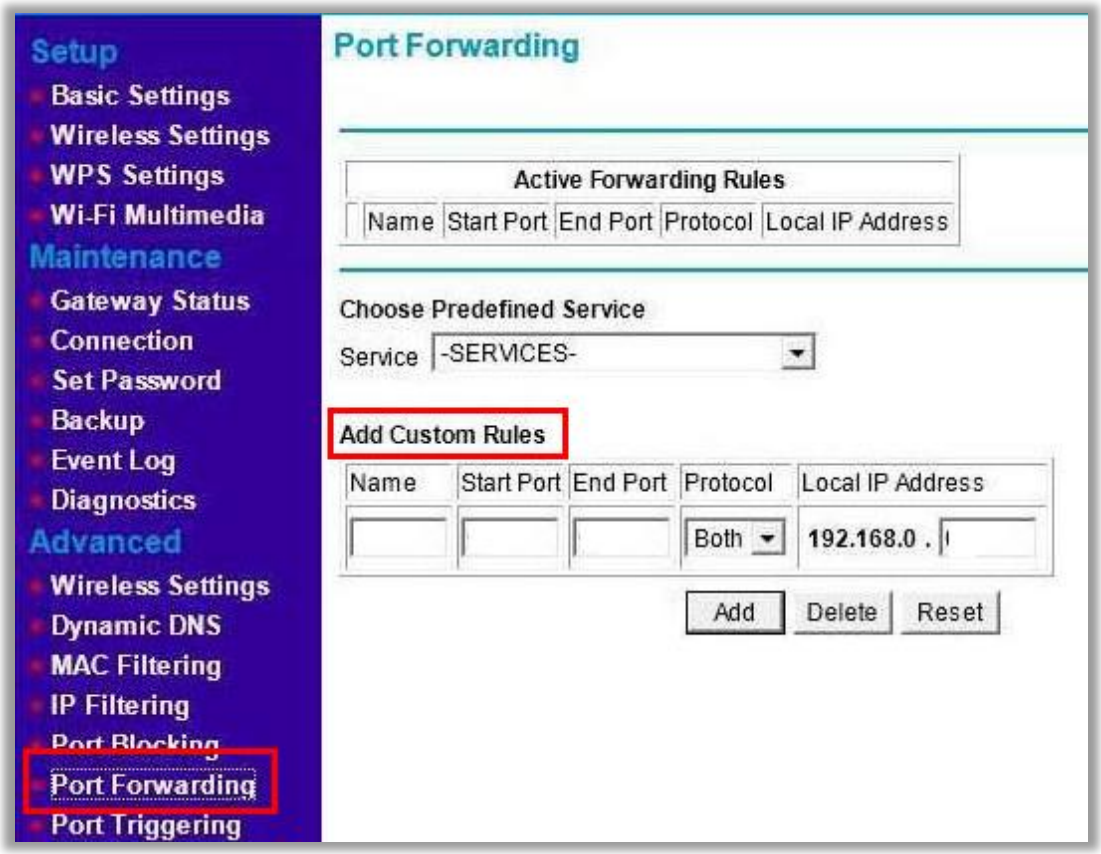
Comment: It is just a name whatever you want for port forwarding,
Public Port: the camera's port
Local Port: the camera's port
Remote IP Address: N/A
Local IP Address: the camera's IP address
Click **Add**

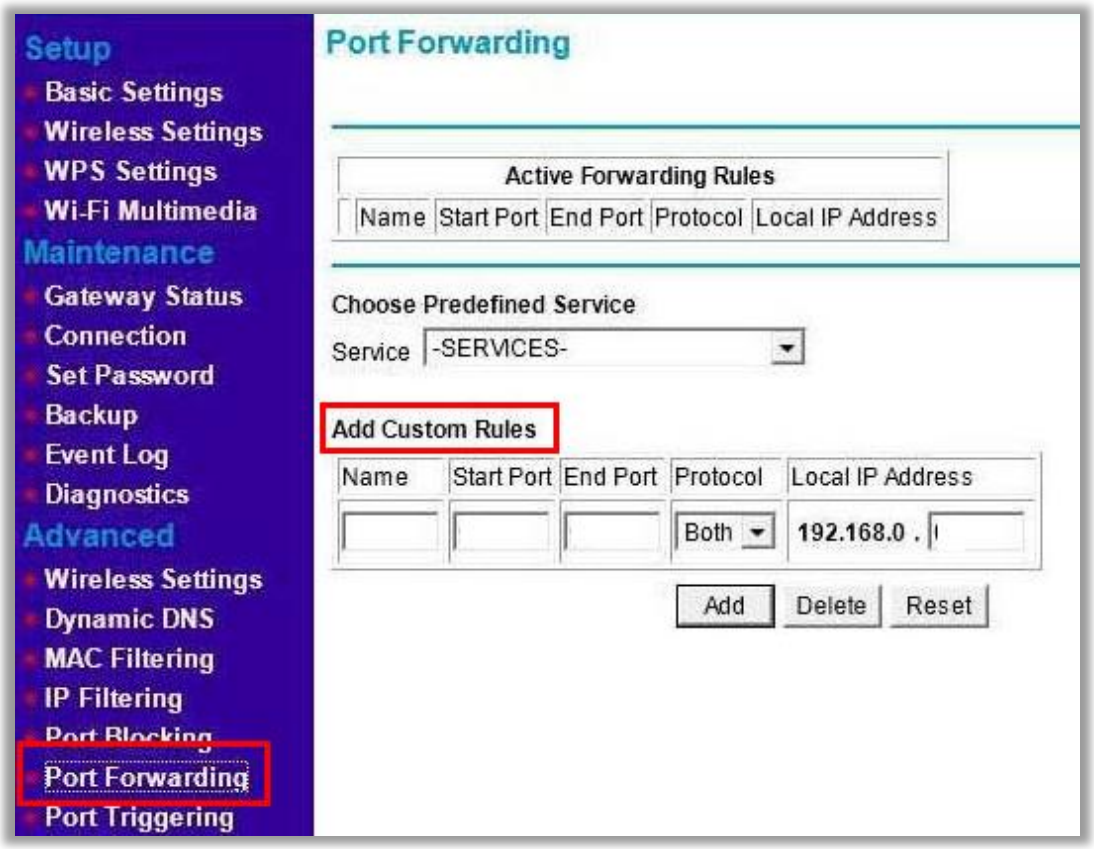
For Netgear Routers 1

1. 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 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**

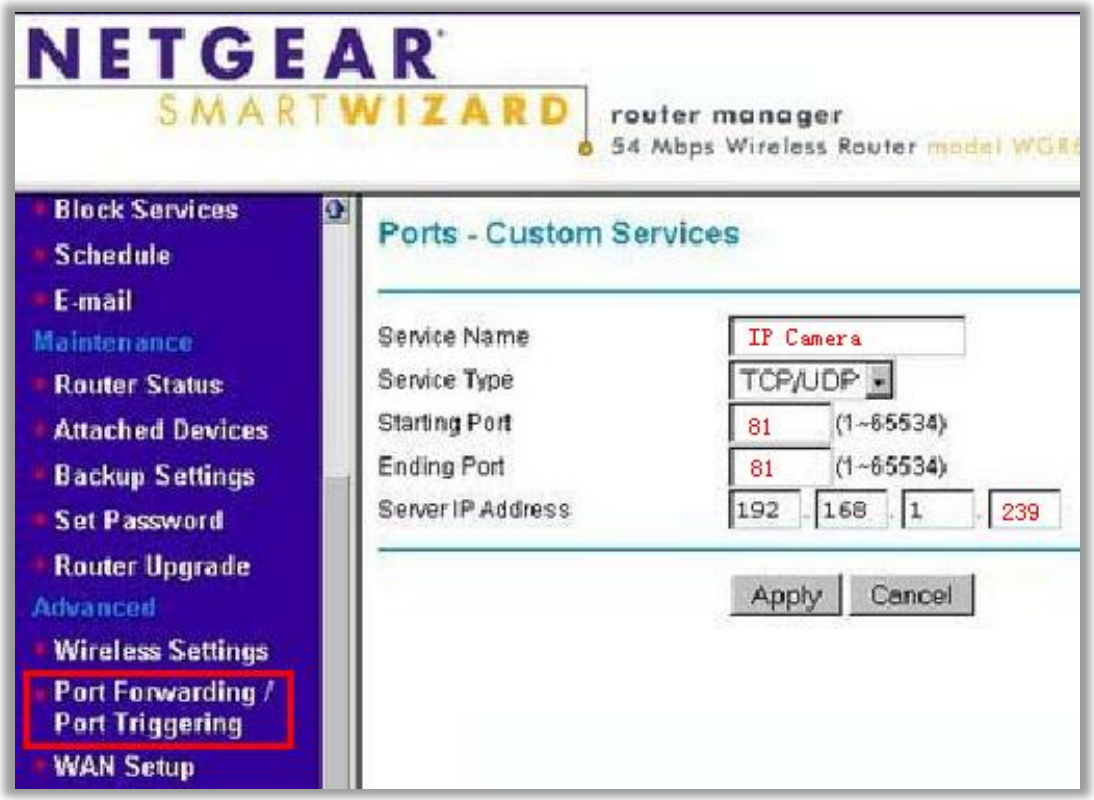

NETGEAR
SMARTWIZARD
router manager
54 Mbps Wireless Router model WGR614v9
Schedule
Maintenance
Router Status
Attached Devices
Backup Settings
Set Password
Router Upgrade
Advanced
Wireless Settings
Wireless Repeating Function
Port Forwarding / Port Triggering
WAN Setup
LAN Setup
Port Forwarding / Port Triggering
Please select the service type
Port Forwarding
Port Triggering
Service Name
Age-of-Empire
Server IP Address
192 . 168 . 1 .
Add
Service Name Start Port End Port Server IP Address
Edit Service
Delete Service
Add Custom Service

Or

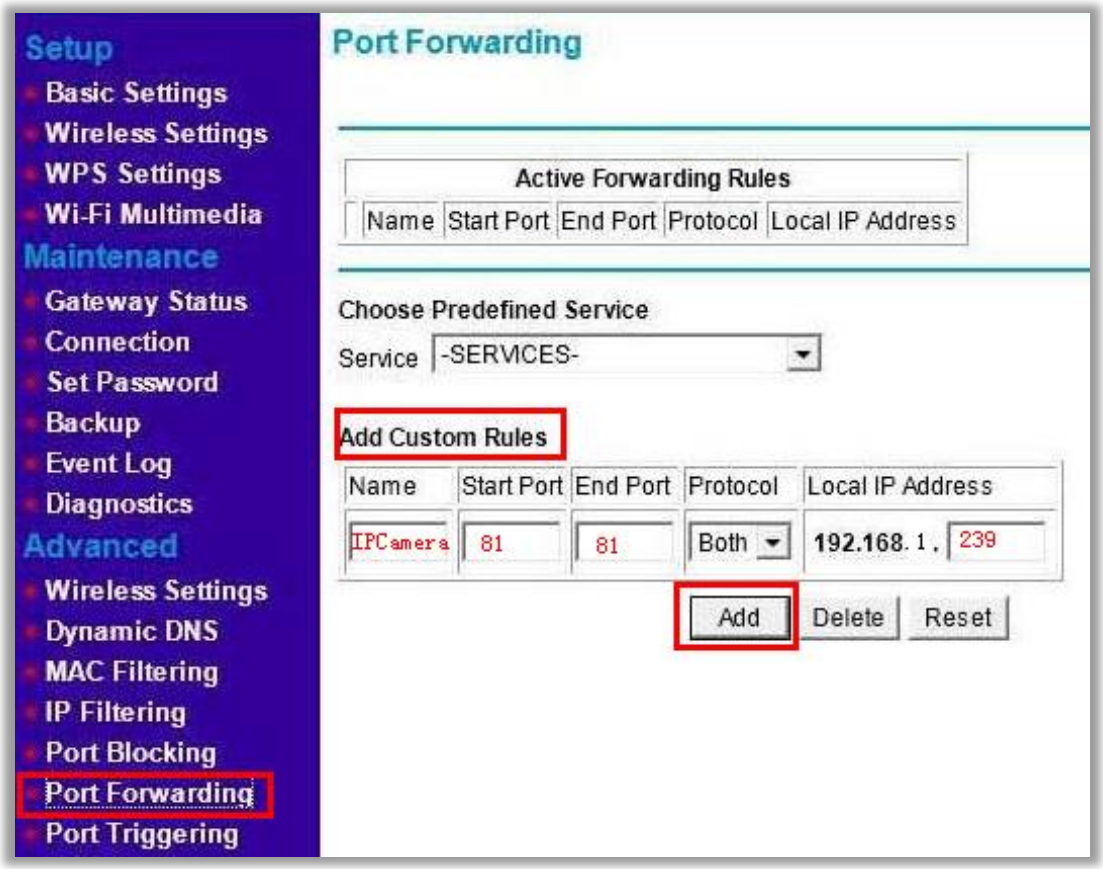

Setup
Basic Settings
Wireless Settings
WPS Settings
Wi-Fi Multimedia
Maintenance
Gateway Status
Connection
Set Password
Backup
Event Log
Diagnostics
Advanced
Wireless Settings
Dynamic DNS
MAC Filtering
IP Filtering
Port Blocking
Port Forwarding
Port Triggering
Port Forwarding
Active Forwarding Rules
Name Start Port End Port Protocol Local IP Address
Choose Predefined Service
Service -SERVICES-
Add Custom Rules
Name Start Port End Port Protocol Local IP Address
Both
192.168.0 .
Add
Delete
Reset



3. Do port forwarding



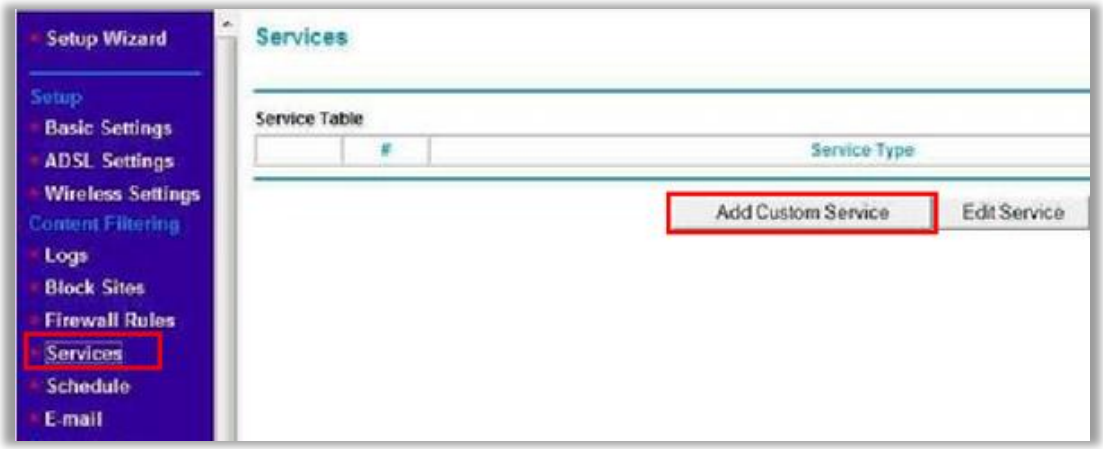
Or



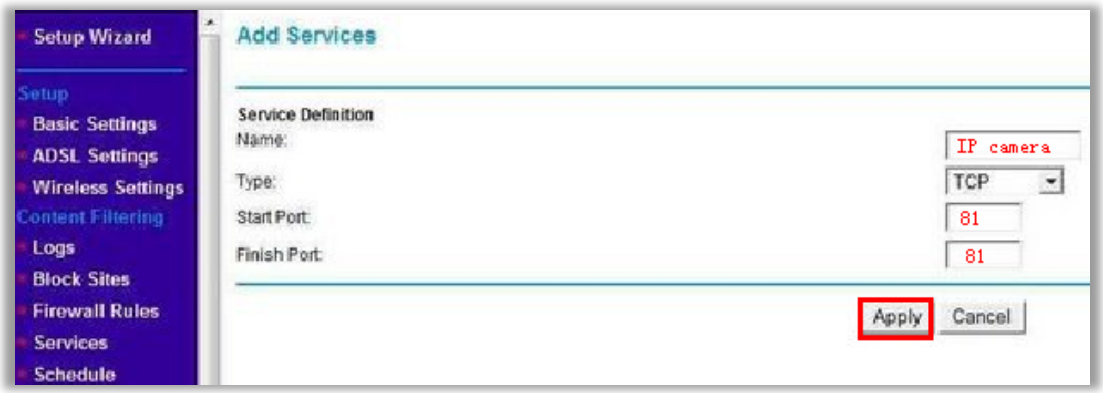
Service Name: It is just a name whatever you want for port forwarding,
Starting Port: port of the camera
Ending Port: port of the camera
Service IP Address: IP of the camera

For Netgear Routers 2

1. 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 these routers, in general, it is http://192.168.1.254
2. Click the **Services** link and Click **Add Custom Service** button.

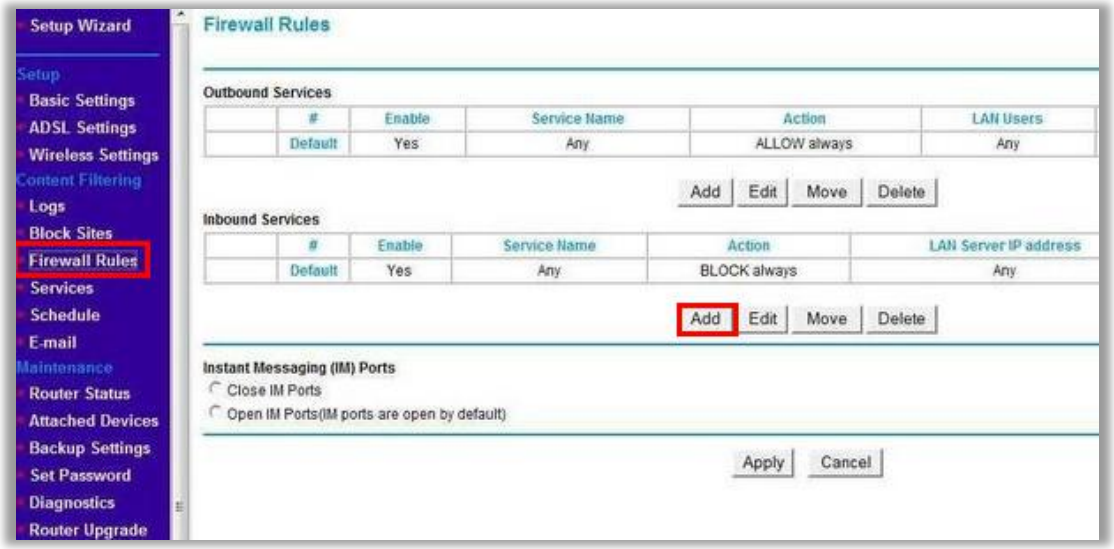


3. Add a ip camera service

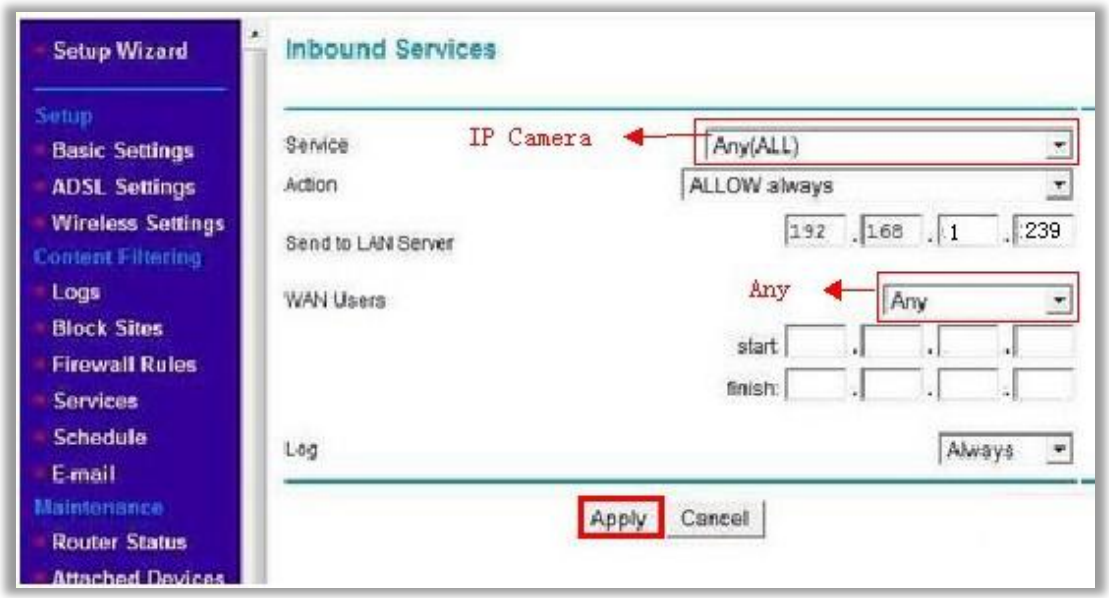


Name: Whatever you want
Type: TCP
Start Port: The camera's port
End Port: The camera's port

4. Click the **Firewall Rules** link, click the **Inbound Services Add** button.



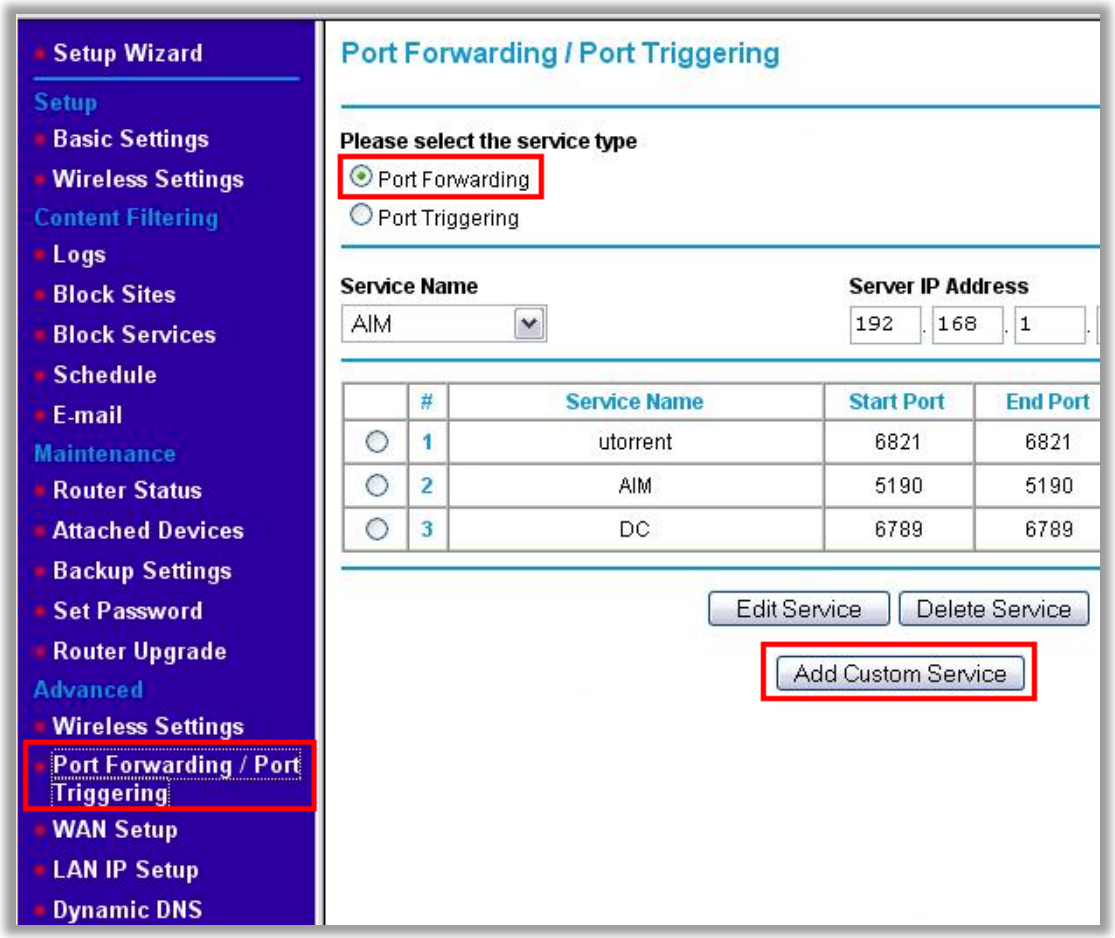
5. Add the Service you added before into firewall rules



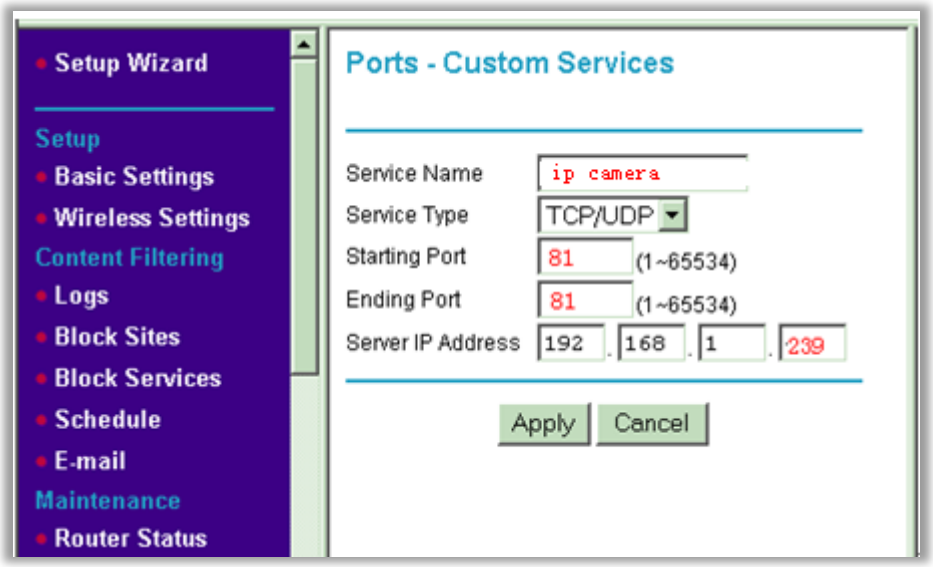
Service: Select the service you added in Service settings
Action: Allow always
Send to Lan Server: The IP of the IP Camera
Wan User: Any
Log: Always or None

For Netgear Routers 3

1. 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 these routers, in general, it is http://192.168.1.254
2. Click the **Port Forwarding / Port Trriggering** link and Click **Add Custom Service** button.



3. Add a customer service for the camera



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

Type: TCP

Start Port: The camera's port

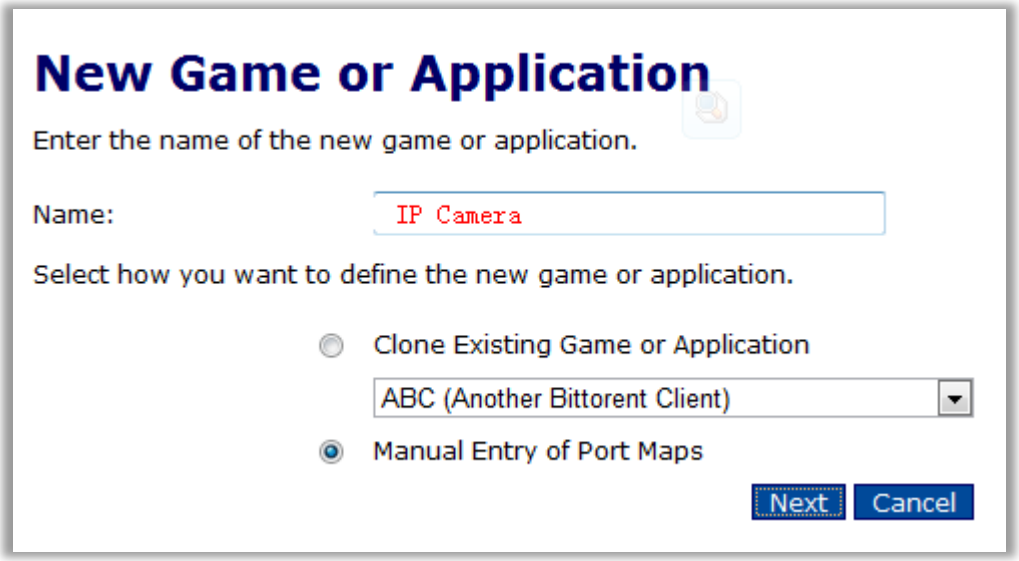
End Port: The camera's port

Server IP Address: The camera's IP address

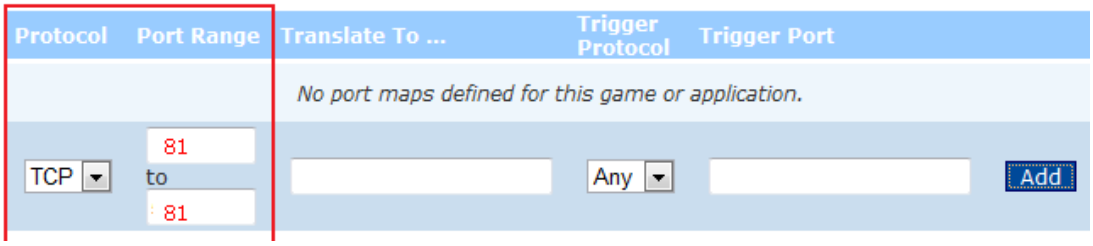
For O2 router

1. Click http://192.168.1.254 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", then Next.

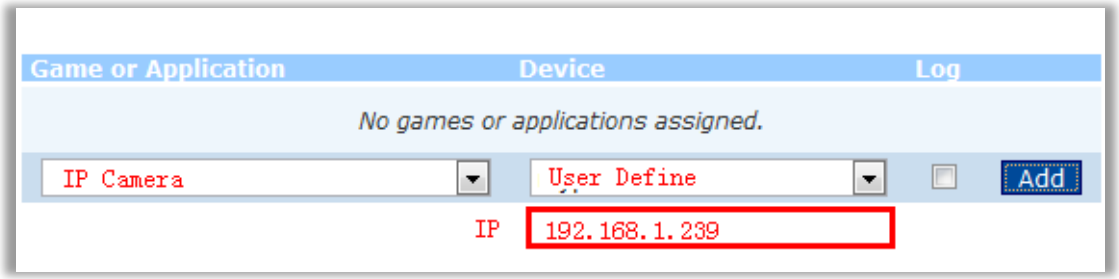


4. In the list below Protocol, select the protocol of your application (TCP). In the two boxes below "Port Range", enter the port number of your camera, and then click Add. Repeat this step for all the ports you need forwarded.



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

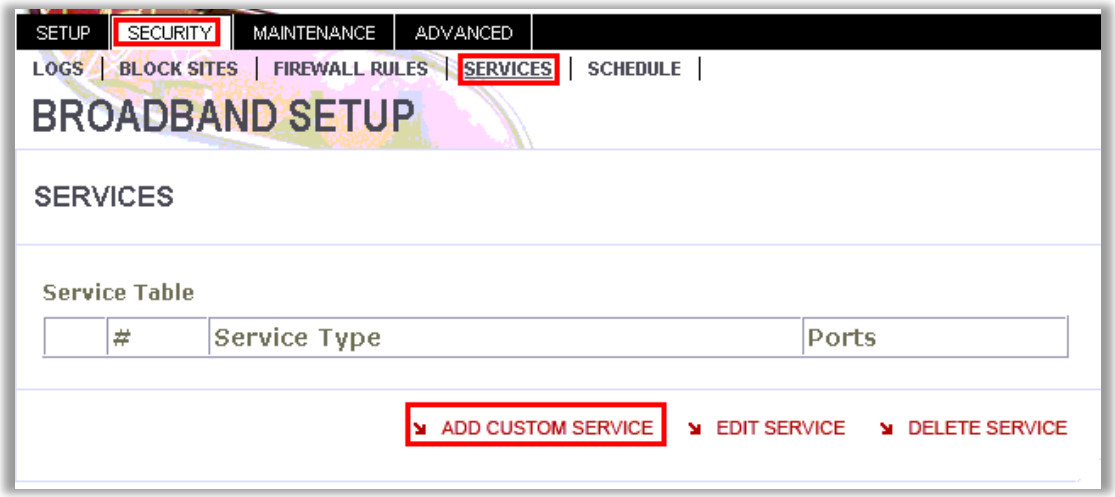
6. Select your newly created application in "Game or Application", eg: “IP Camera” select your device in Device or select User Define and input the camera’s IP address, eg: “192.168.1.239”, then click Add.



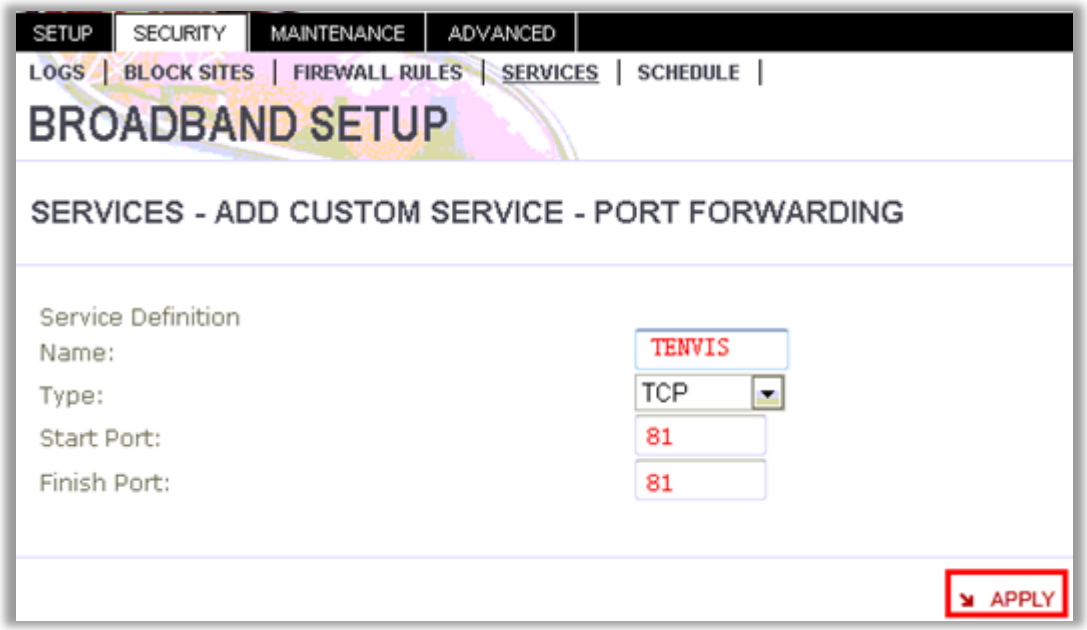
For Sky / Sagmen Routers

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 Sky / Sagmen routers, in general, it is http://192.168.0.1

2. Click **SECURITY --- SERVICE, and click ADD CUSTOM SERVICE**

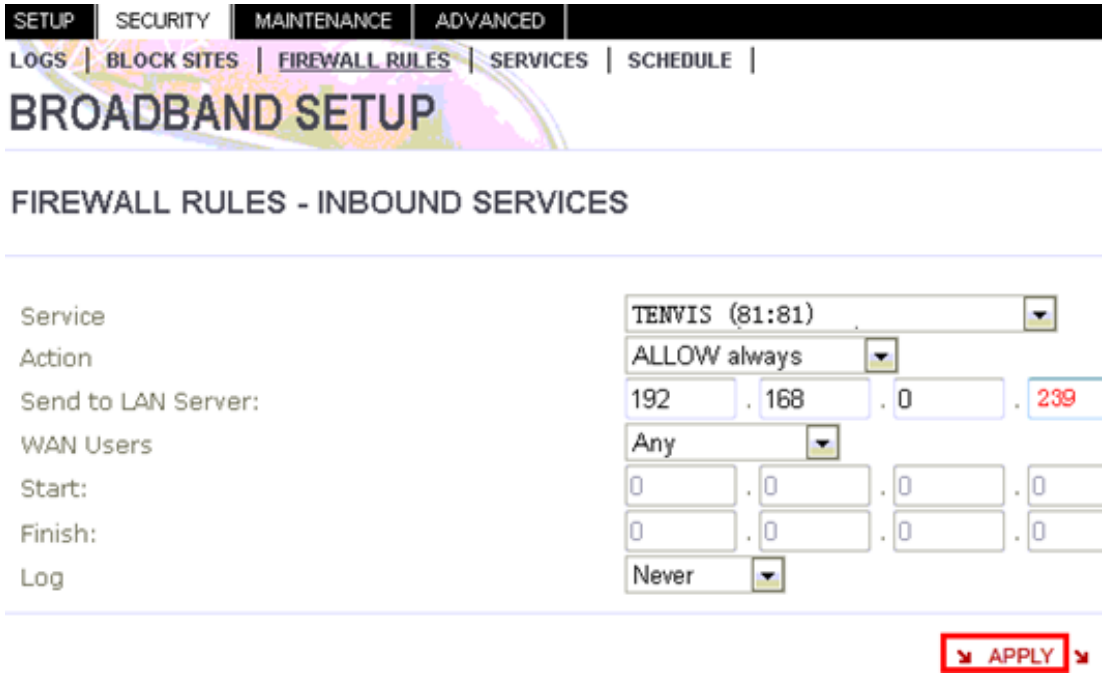


3. Add a Custom Service



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**,add the service to the camera

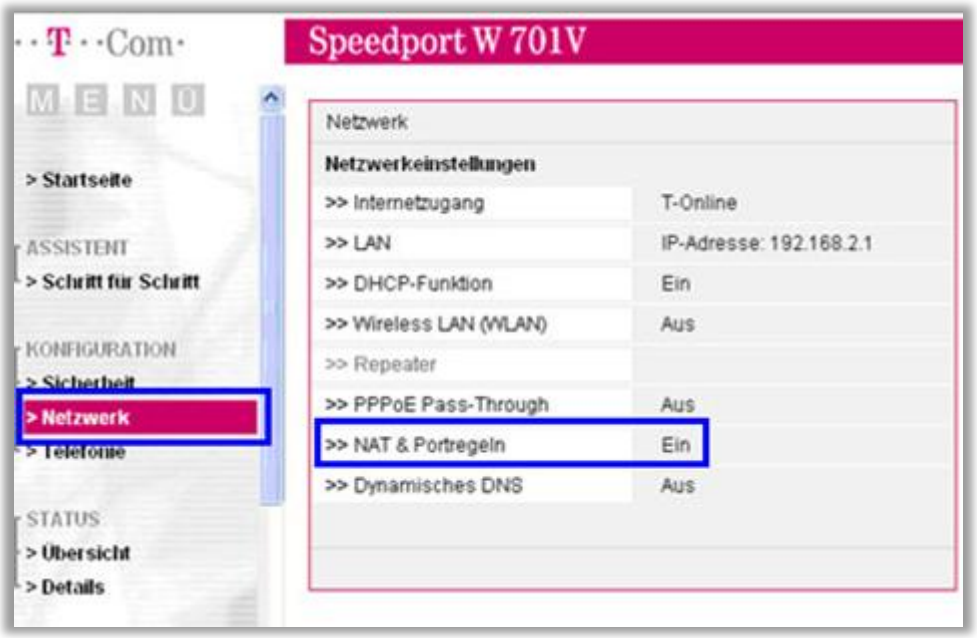


Service: Select the service you just added.
Action: ALLOW always
Send to LAN Server: The camera's IP address
WAN Users: Any
Log: Never

Click **APPLY**

For Speedport Routers 1

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



2. Click **Neue Regel anlegen**

3. Set port forwarding.

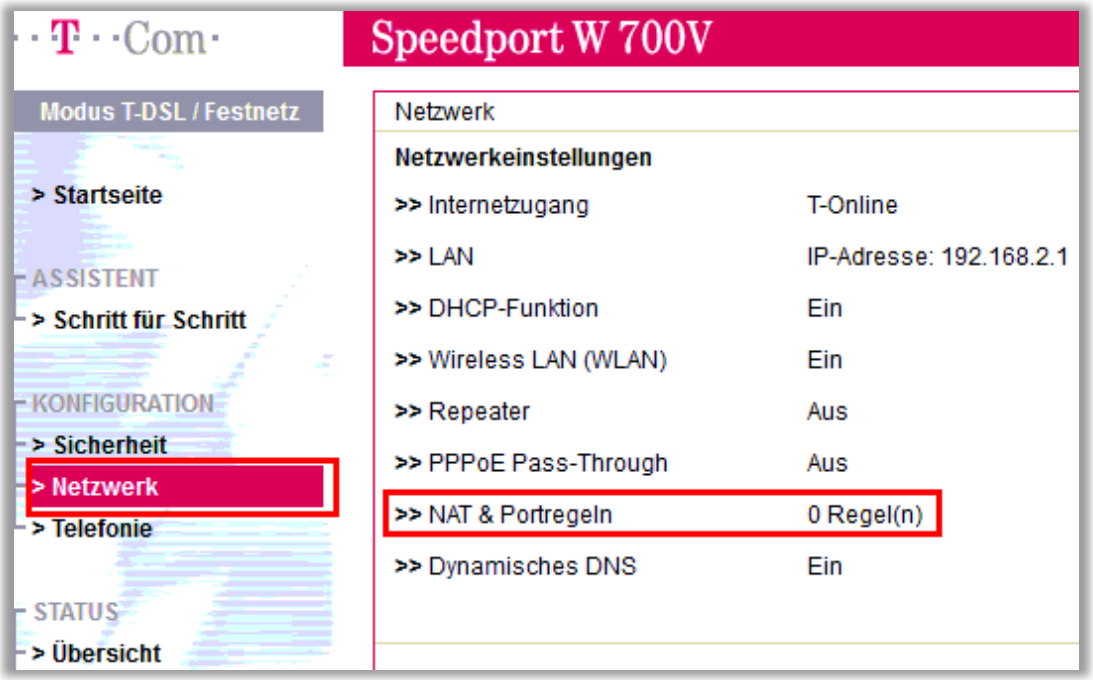
Bezeichnung: A name for port forwarding
IP-Adresse: The camera's IP address
Protokoll: TCP
Ports: The camera's port
Ports: The camera's port

4. Then the camera has been forwarded to Internet.

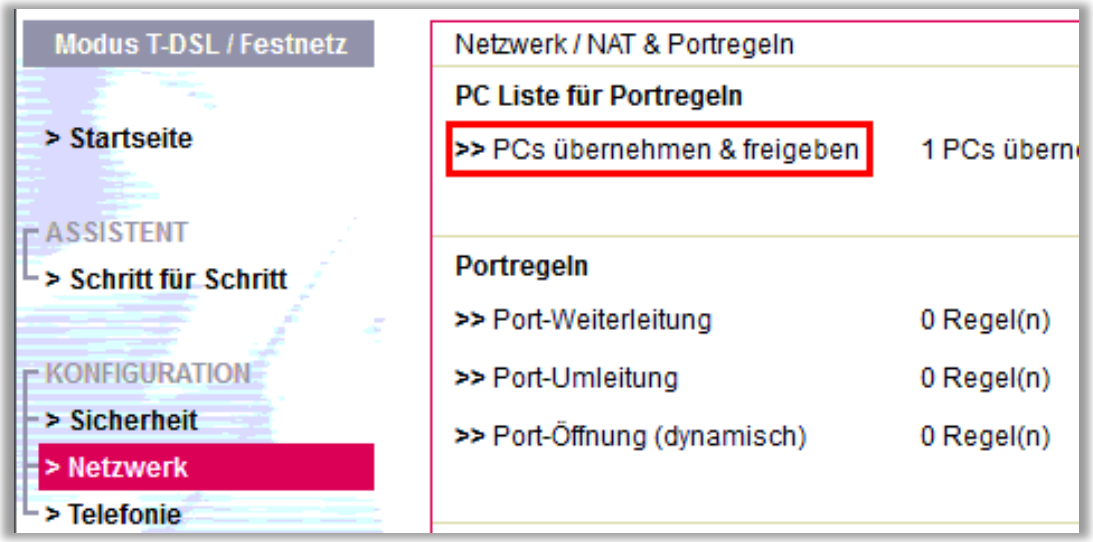
For Speedport (Deutsch) Routers 2

1. 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

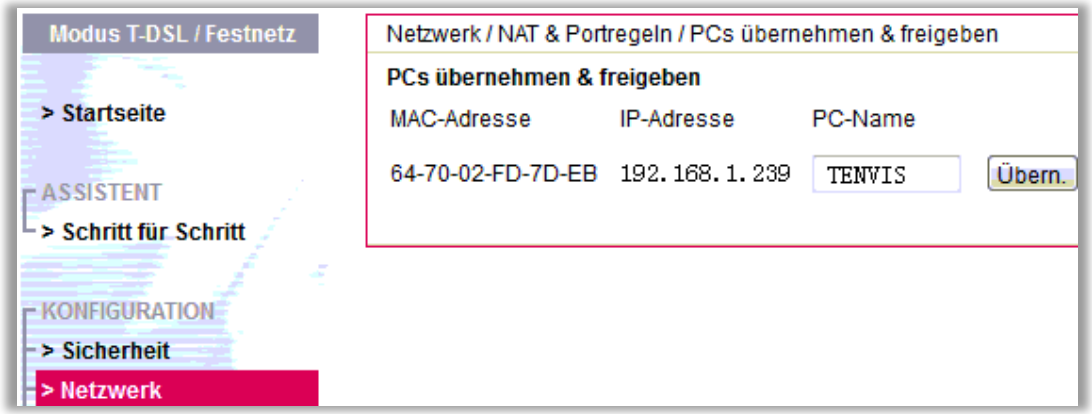
2. Click **Netzwert --- Nat & Portregeln**, and click **ADD CUSTOM SERVICE**



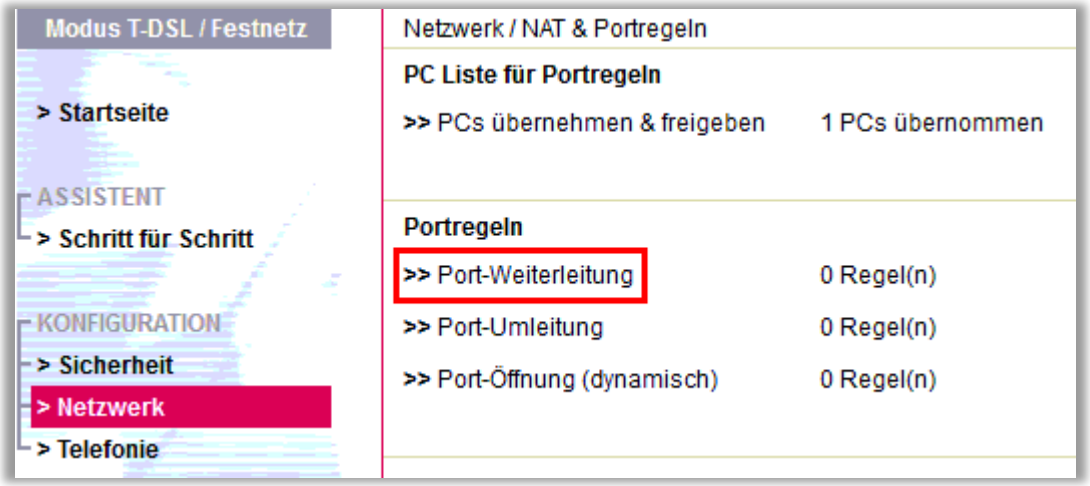
3. Click **PCs ubernehmen & freigeben**



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

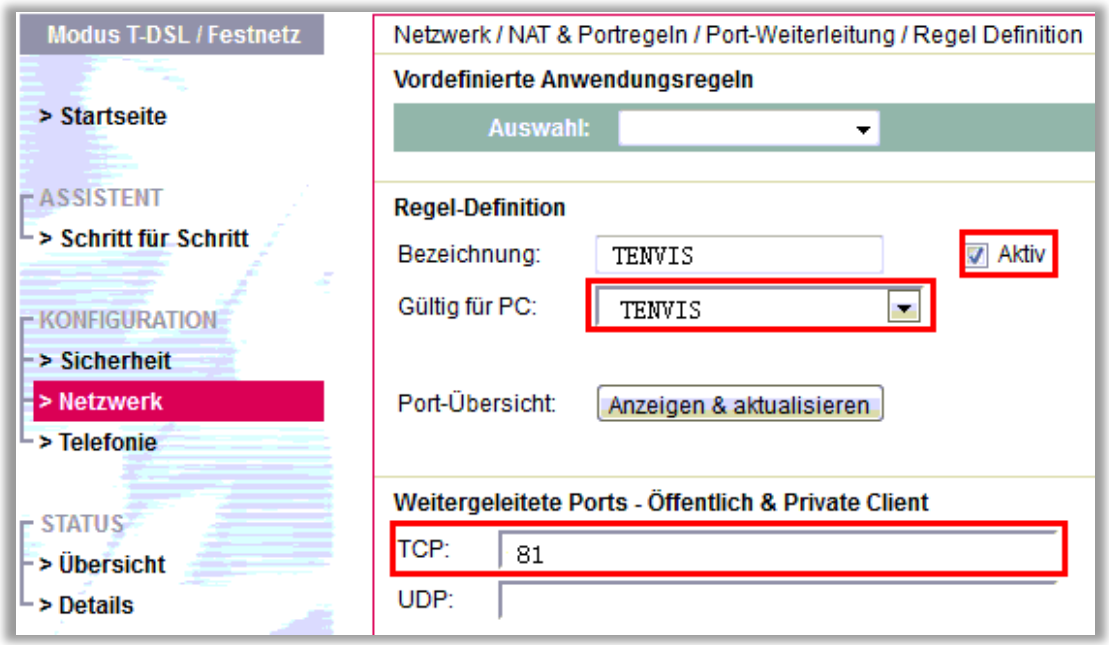


5. Click **SECURITY** – **FIREWALL RULES**,add the service to the camera



6. Select **Neue Regel definieren**

7. Set port forwarding

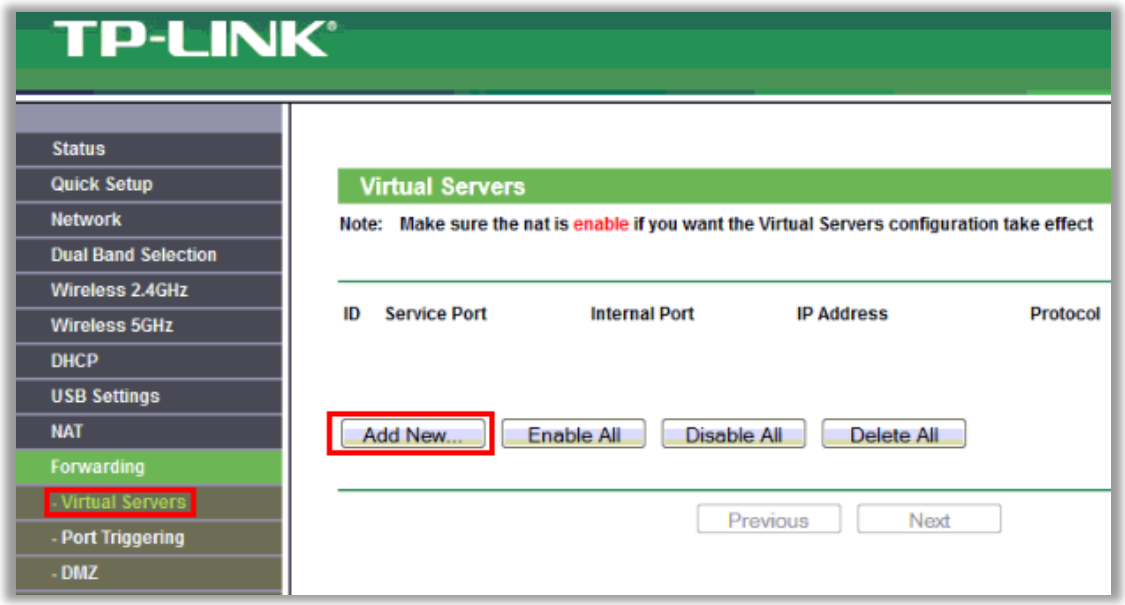


Bezeichnung: It is just a name whatever you want for port forwarding
Gultig fur PC: Select the camera you just added
TCP: The camera's port

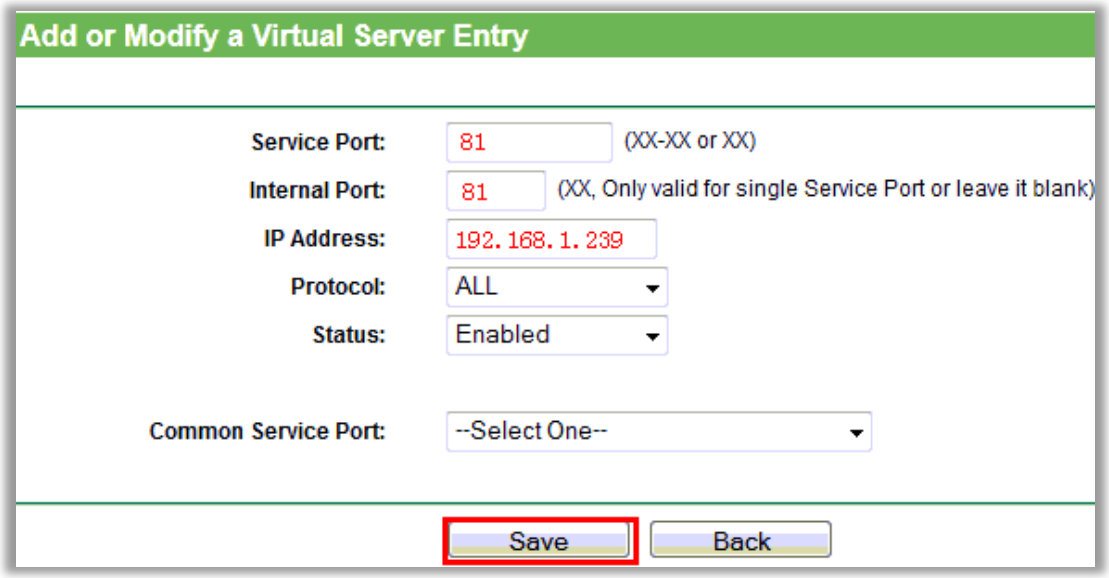
For TP-Link Routers 1

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 TP-link routers, in general, it is http://192.168.1.1

2. Click **Forwarding --- Virtual Servers**



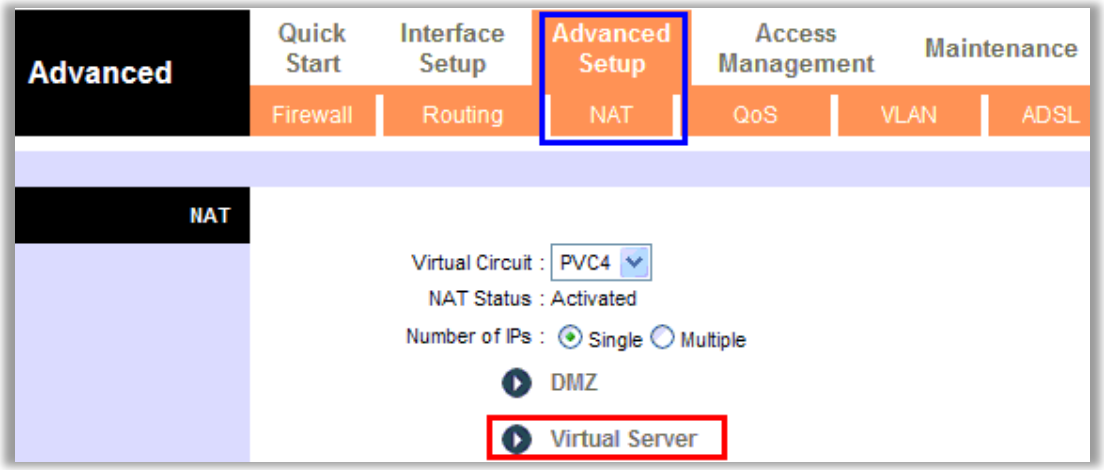
3. Set port forwarding



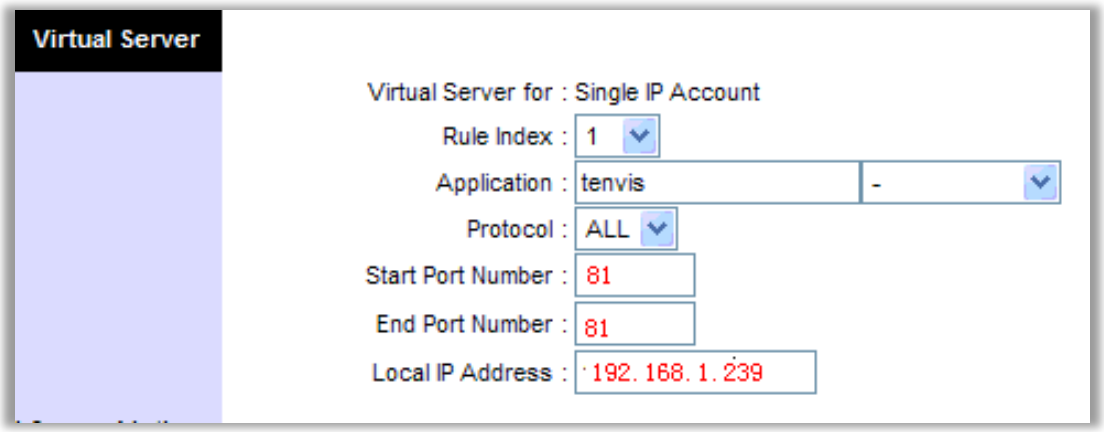
Service Port: the camera's port
Internal Port: the camera's port
IP Address: the camera's IP address
Protocol: ALL or TCP
Status: Enabled
Click **Save**

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**



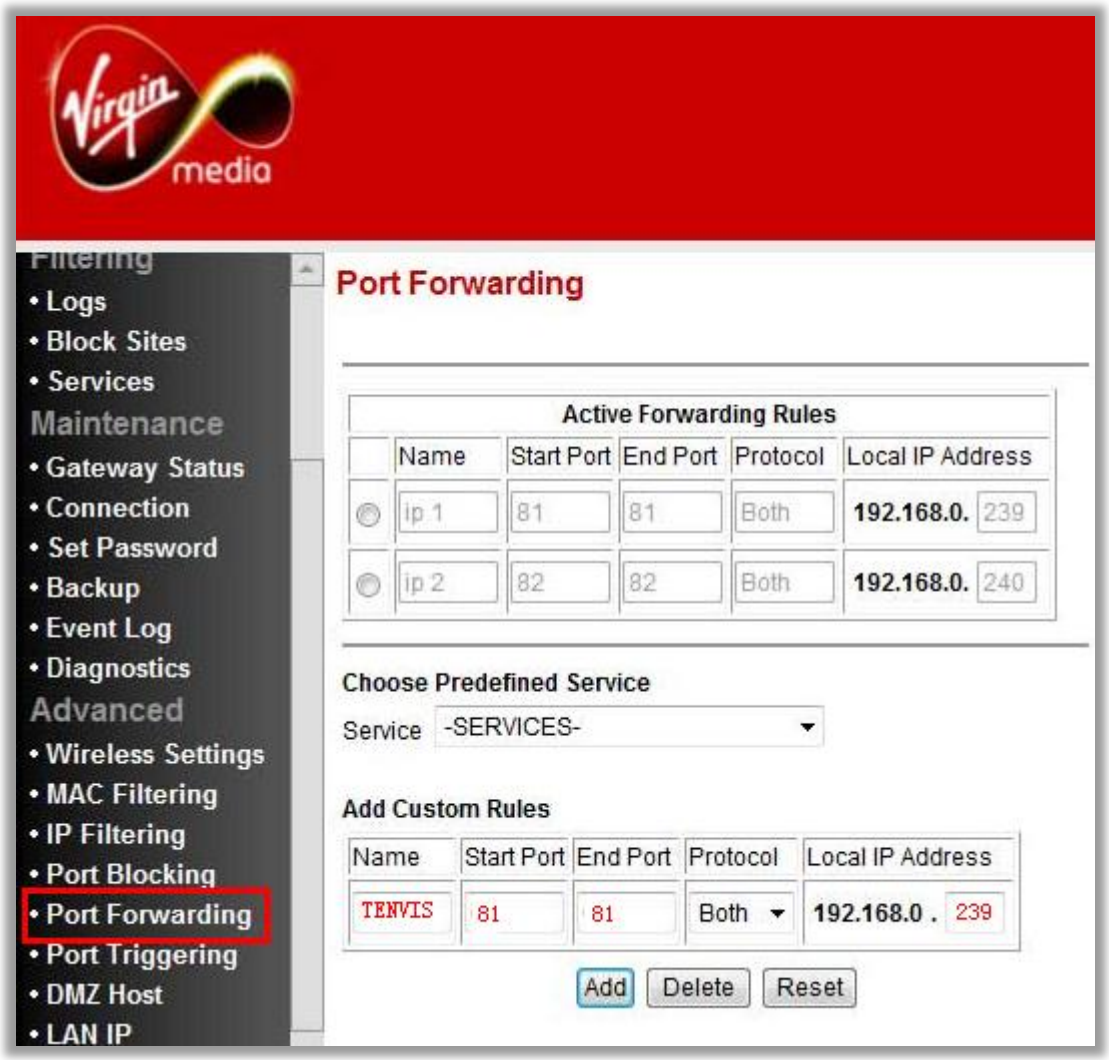
3. Set port forwarding



Application: A name for port forwarding, e.g.TENVIS
Protocol: ALL or TCP
Start Port Number: the camera's http port, eg: 81
Endl Port Number: the camera's http port, eg: 81
Local IP Address: the camera's IP address, e.g.:192.168.1.239
Click **Save**

For Virgin Routers 1

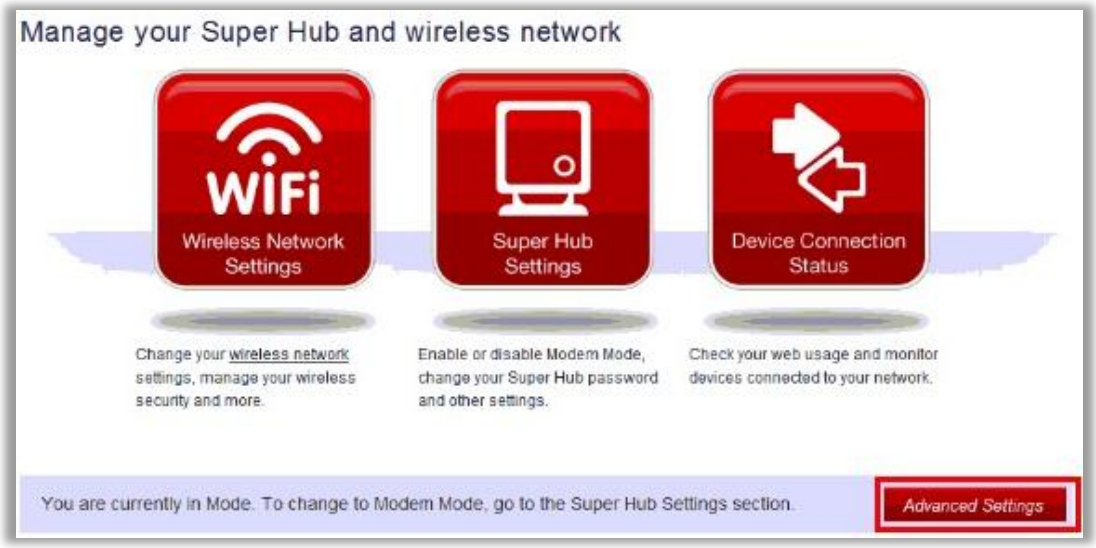
1. Open a web browser like Internet Explorer or Chrome. Enter the internal IP address of your router in the address bar of your browser. For these routers, in general, it is http://192.168.0.1 or http://192.168.0.254
2. Click **Advanced –Port Forwarding**



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**

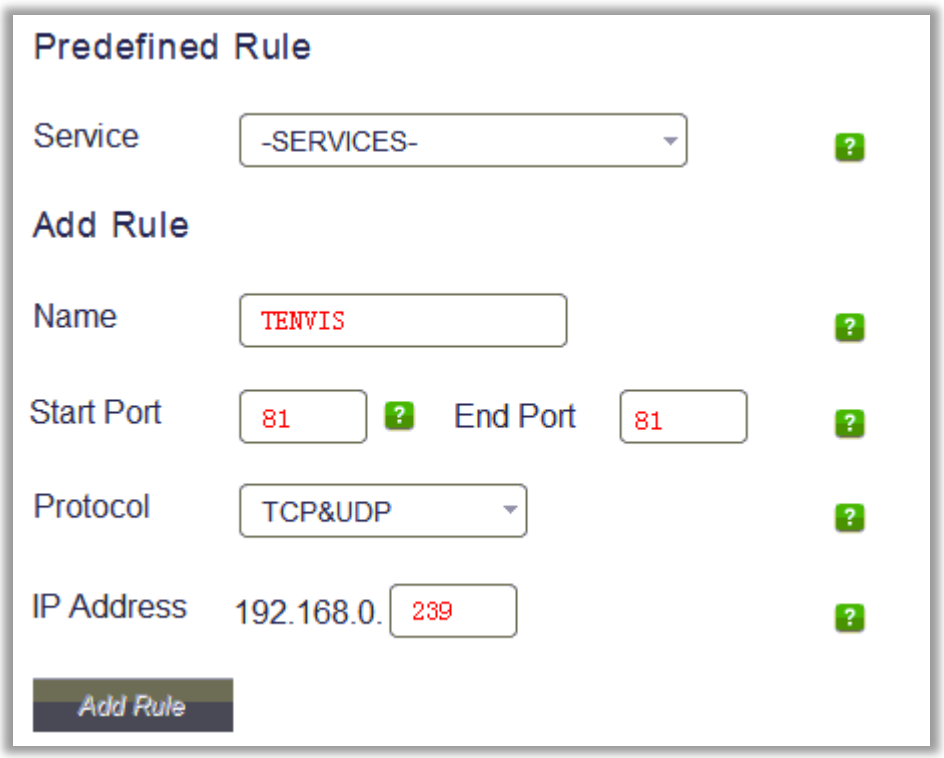
For Virgin Routers 2

1. 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 Settings**



3. Select Port Forwarding

4. Set Port Forwarding

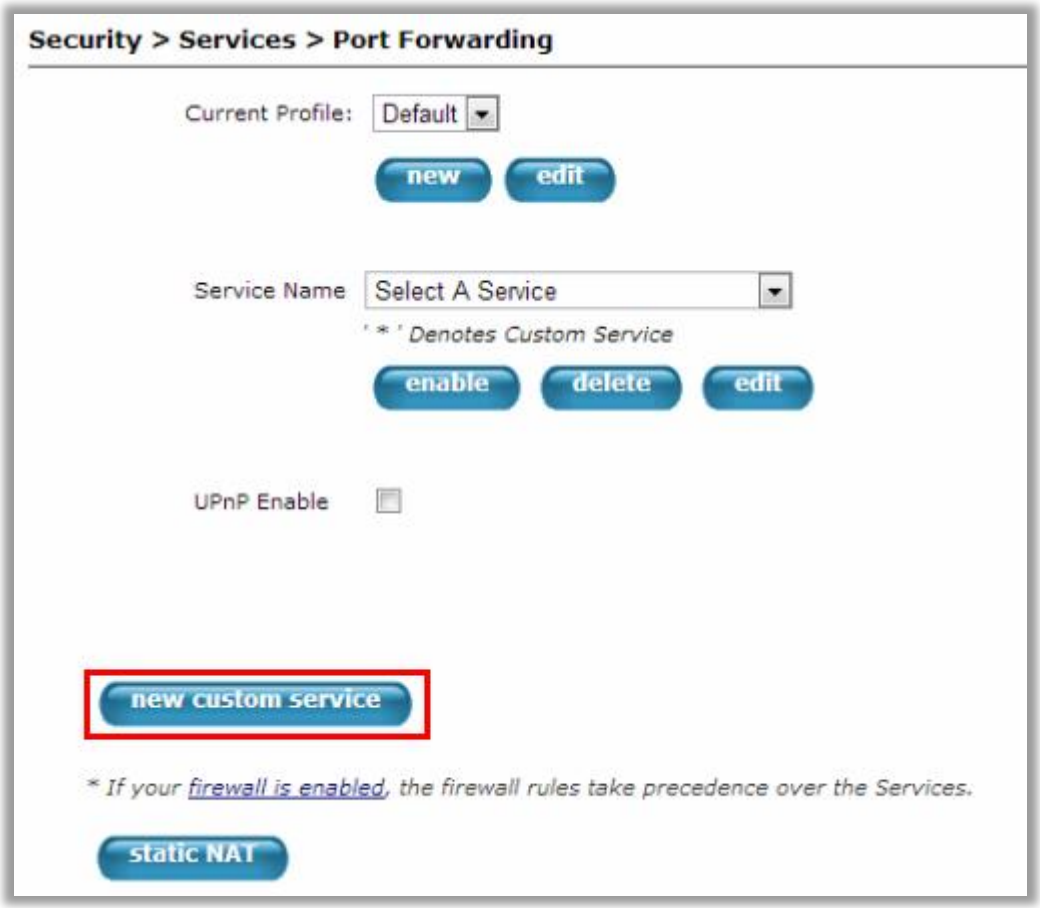


Name: A name whatever you want for port forwarding
Start Port: the camera's port
End Port: the camera's port
Protocol: TCP
IP Address: the camera's IP address
Click **Add Rule**

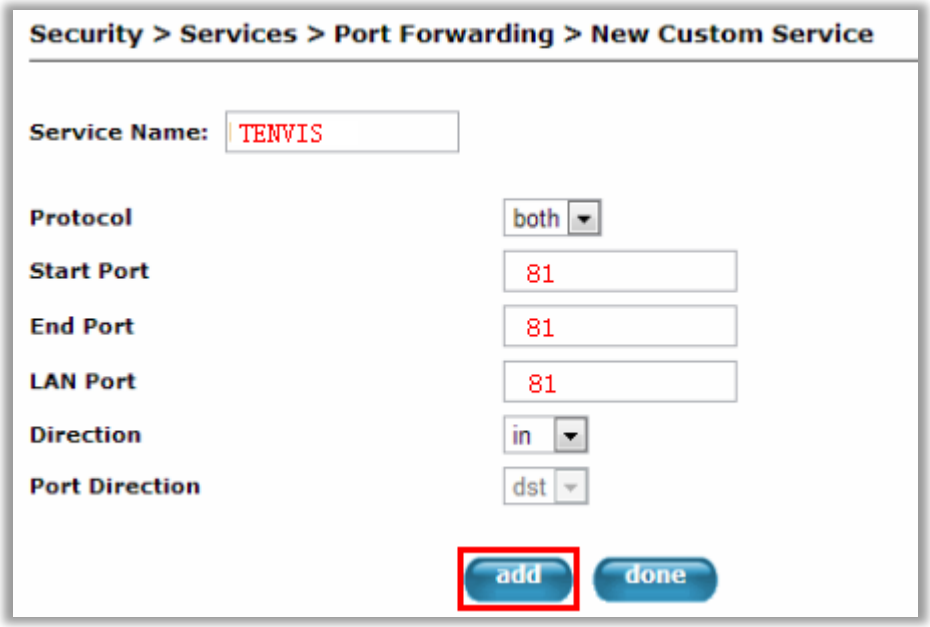
For Webtell Routers

1. 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://192.168.200.1
2. Click **Security --- Service – Port Forwarding**

3. Click **new custom service**



4. Add a new custom service

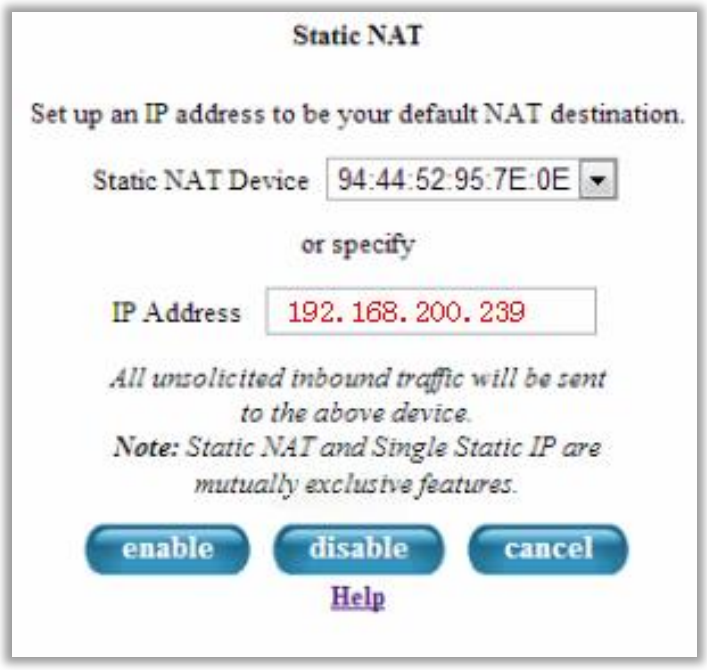


Service Name: A name whatever you want for port forwarding

Select the service you just added.

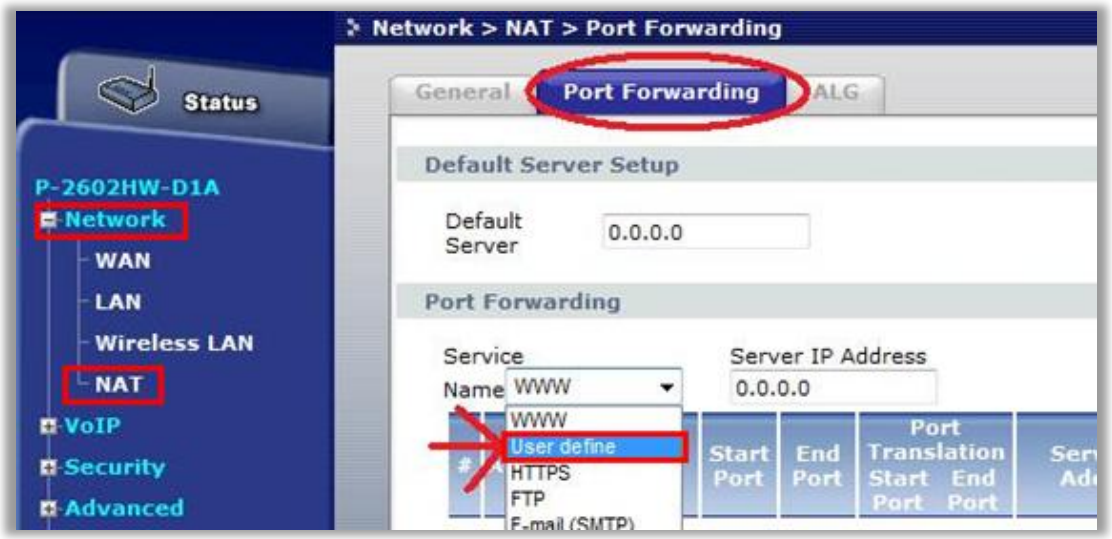
5. And click **static NAT**

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

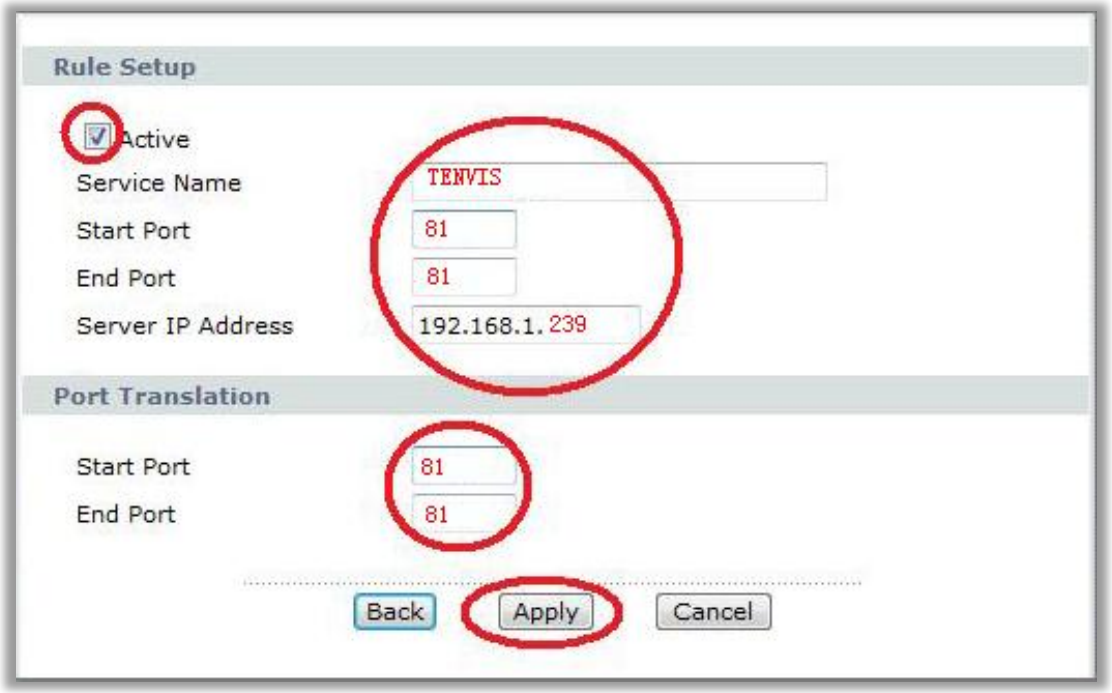


For Zyxel Routers

1. 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://192.168.1.254
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 addresss
Click **Apply**