

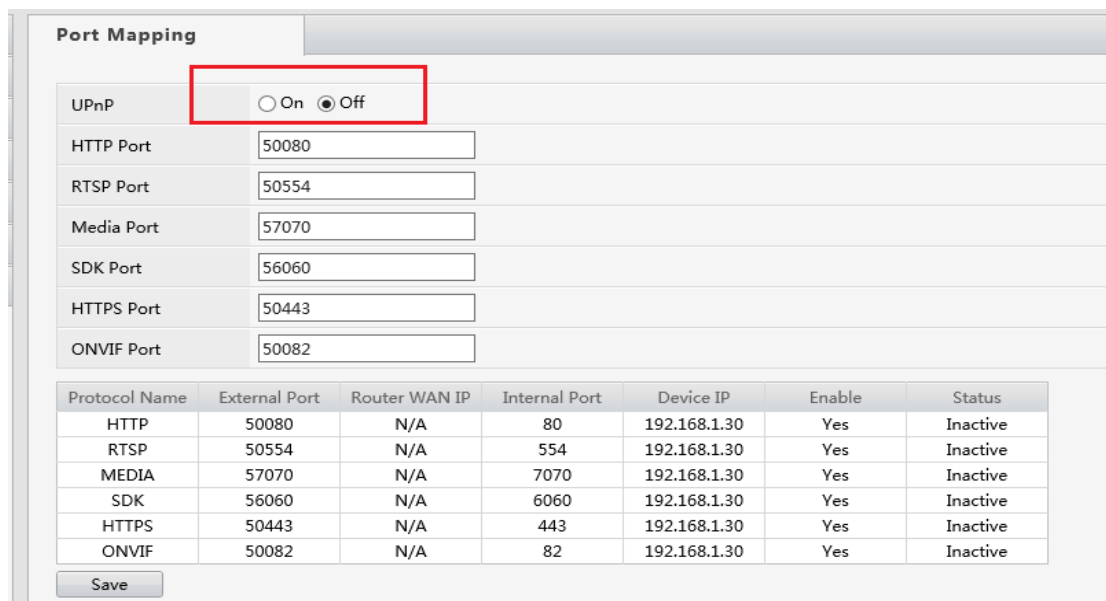
Manual Port Forwarding/Mapping on Router

If your router does not support UPnP, then you need to configure internal and external ports manually.

- The following ports need to be opened: HTTP, RTSP, SDK, MEDIA
- We need enable both TCP & UDP;

I . The router support external and internal port settings.

1. Depending on the router firmware, you may need to first disable the UPnP function on your router in order to set the external ports manually.



Protocol Name	External Port	Router WAN IP	Internal Port	Device IP	Enable	Status
HTTP	50080	N/A	80	192.168.1.30	Yes	Inactive
RTSP	50554	N/A	554	192.168.1.30	Yes	Inactive
MEDIA	57070	N/A	7070	192.168.1.30	Yes	Inactive
SDK	56060	N/A	6060	192.168.1.30	Yes	Inactive
HTTPS	50443	N/A	443	192.168.1.30	Yes	Inactive
ONVIF	50082	N/A	82	192.168.1.30	Yes	Inactive

2. Set the port forwarding on the router.

External Port	Internal Port	Protocol	To IP Address	Enabled
---	---	---	192.168.10.0	<input type="checkbox"/>
---	---	---	192.168.10.0	<input type="checkbox"/>
---	---	---	192.168.10.0	<input type="checkbox"/>
---	---	---	192.168.10.0	<input type="checkbox"/>
---	---	---	192.168.10.0	<input type="checkbox"/>
50080	80	Both ▾	192.168.10.101	<input checked="" type="checkbox"/>
50554	554	Both ▾	192.168.10.101	<input checked="" type="checkbox"/>
57070	7070	Both ▾	192.168.10.101	<input checked="" type="checkbox"/>
56060	6060	Both ▾	192.168.10.101	<input checked="" type="checkbox"/>
50443	443	Both ▾	192.168.10.101	<input checked="" type="checkbox"/>
50082	82	Both ▾	192.168.10.101	<input checked="" type="checkbox"/>

Note:

The principle of port mapping is that the internal and external ports of the NVR are consistent (**matching**) with that of the router.

How to verify?

You may verify by entering the following information in the address bar of your web browser:

`http://<Router's WAN IP address>:<External HTTP port>`

For example, if 65.164.52.165 is the WAN IP address and **50080** is the **external** HTTP port, then you enter `http://65.164.52.165:50080`. If port mapping is effective, the login page of the NVR will be displayed as seen below.

