S101 Streaming Media Server

Dear customer
Thank you for supporting us.

The S101 streaming media server is a cutting-edge streaming media server based on Linux system for various industries with an affordable price.
It is a gear with multi-function for video processing, restreaming, and distribution, please follow the user manual and email us if you have any questions.

Notice

- Do not remove the covers of this equipment. Hazardous voltages are present within this equipment and may be exposed if the covers are removed.
- Put the gear away from the fire, water, dusty area.
- For the correct and safe use of the device, it is essential that both operating and servicing personnel follow generally accepted safety procedures in addition to the safety precautions specified in this manual.

Table of the Contents

(hyperlink adopted)

Status Page

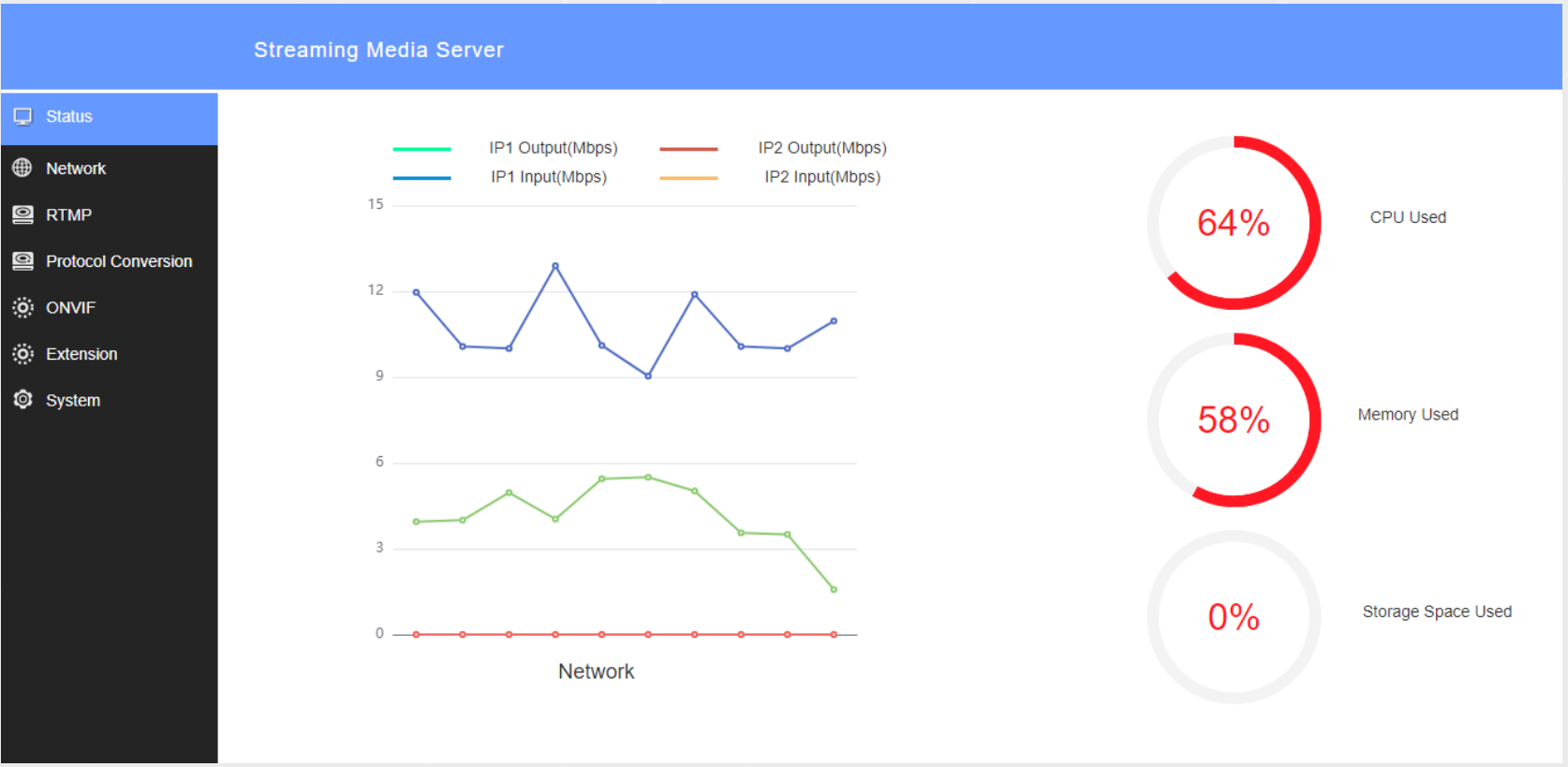


Figure 1.1

The status of the gear displayed here visually for Monitoring

Here you can check the status of the
1- CPU
2- Memory of the device
3- TF card
4- Streaming status

TOP

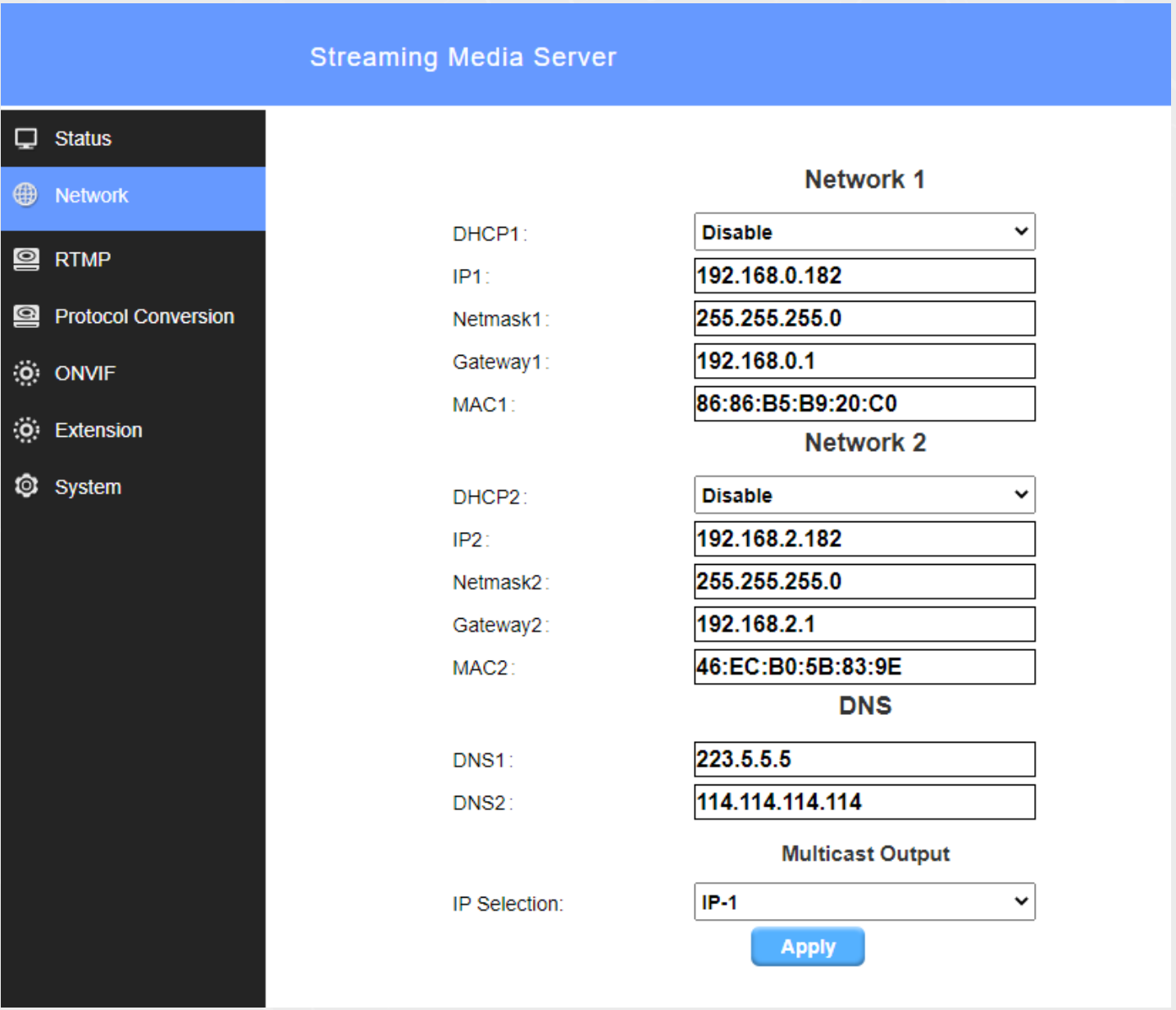
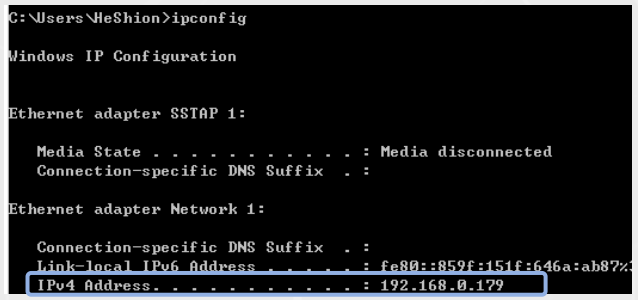


Figure 2.1

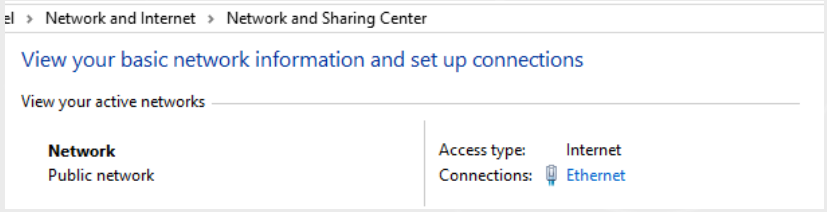
The Network configuration will be implemented here.

TOP

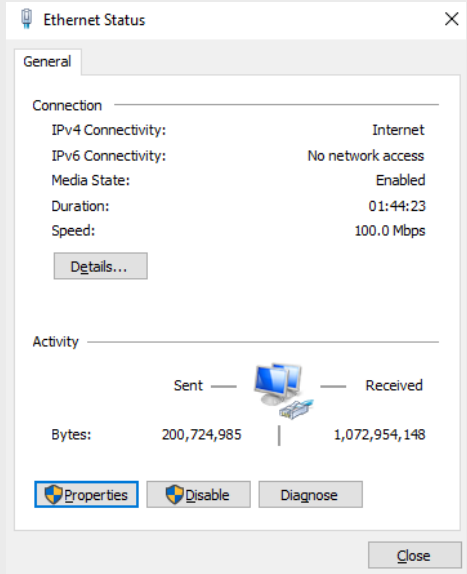
Configure Network



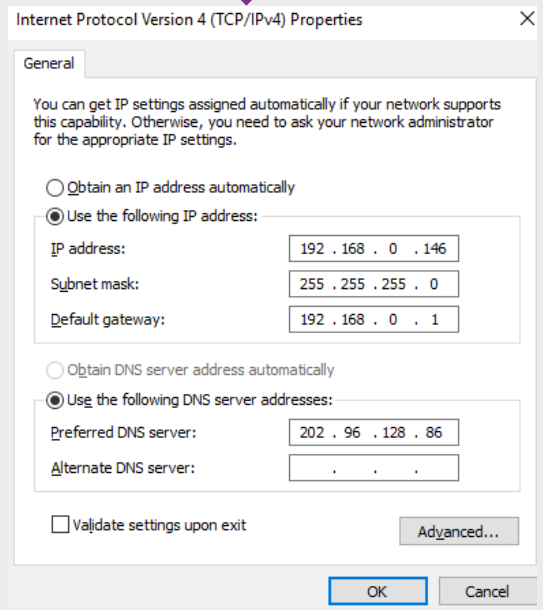
1- Get current IP
Windows+ R → cmd
→Enter: ipconfig
→Get the IPv4 Add



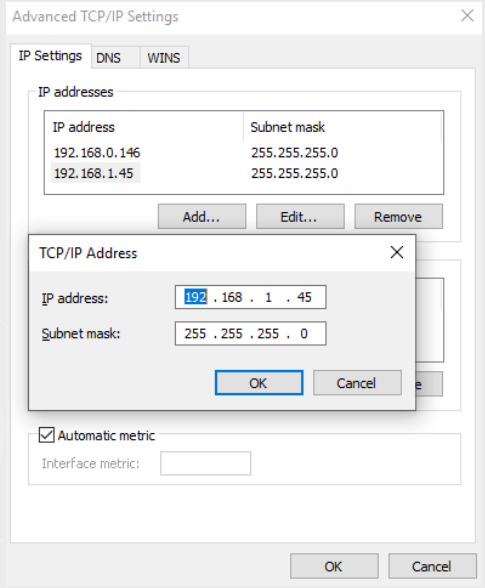
2- Enter Ethernet



3- Enter Properties



4- Enter IPV4 and fill the IPv4 address you get from the 1st step and its subnet mask and default IP gateway



5- Enter Advanced
6- Add an available IP address @192.168.1.xxx and save all configurations.

7- Enter the default IP of the gear : 192.168.1.182
8- Adapt the network of the gear

TOP

RTMP

Streaming Media Server

Language:

- Status
- Networtk
- RTMP
- Protocol Conversion
- ONVIF
- Extension
- System

Add RTMP

ID	Note	Stream Name(unique)	Push/Play RTMP Url	Input (Mbps)	Record	HLS Url	Operate
0	test01	01	rtmp://192.168.0.182/live/01	-	OFF	http://192.168.0.182:8080/hls/01.m3u8	Edit Delete Record Preview Share
1	test02	02	rtmp://192.168.0.182/live/02	-	OFF	http://192.168.0.182:8080/hls/02.m3u8	Edit Delete Record Preview Share
2	test03	03	rtmp://192.168.0.182/live/03	-	OFF	http://192.168.0.182:8080/hls/03.m3u8	Edit Delete Record Preview Share
3	test04	04	rtmp://192.168.0.182/live/04	-	OFF	http://192.168.0.182:8080/hls/04.m3u8	Edit Delete Record Preview Share

Figure 3.1

The RTMP function of the gear displays here

Here you can
1- Set up RTMP stream and record it
2- Preview the feeds
3- Get the sharable link for the each stream
4- Get the HLS address for each stream
5- Manage the streams

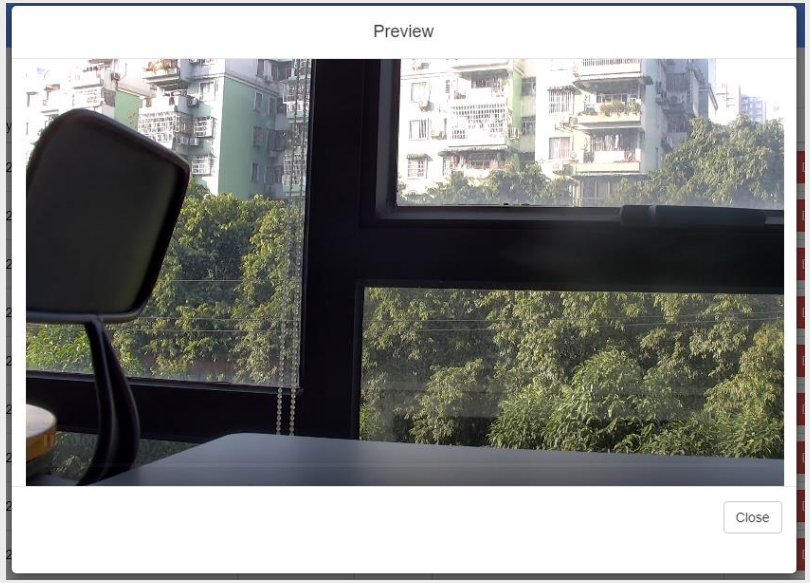


Figure 3.2

TOP

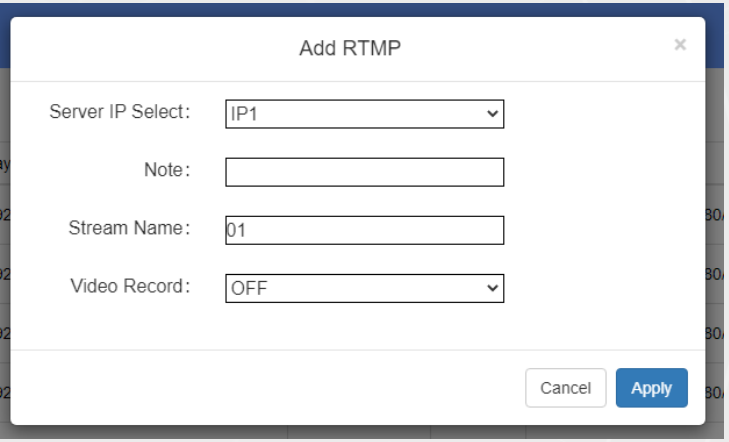


Figure 3.3-1

F 3.3-1

IP select: choose the Ethernet port for transmission.

Note: The note for each channel.

Stream name: put the stream name of the channel and the stream will be generated accordingly.

Video record: Recording the current stream.

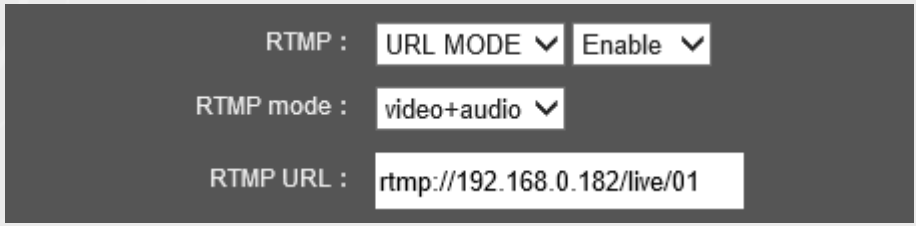


Figure 3.3-2

F 3.3-2

There will be an RTMP streaming url generated once you create the stream, then paste it on the RTMP filed of the encoder side.

Figure 3.4

Share: In order to make the port forwarding easier, we put Port included for each stream with the Share function; the url can be directly opened on the browser without any plugins since we installed the player in the cloud.

Notice: The DDNS technology is achieved by adding the “port=8080” for all channels for the forwarding.

TOP

Transcoding

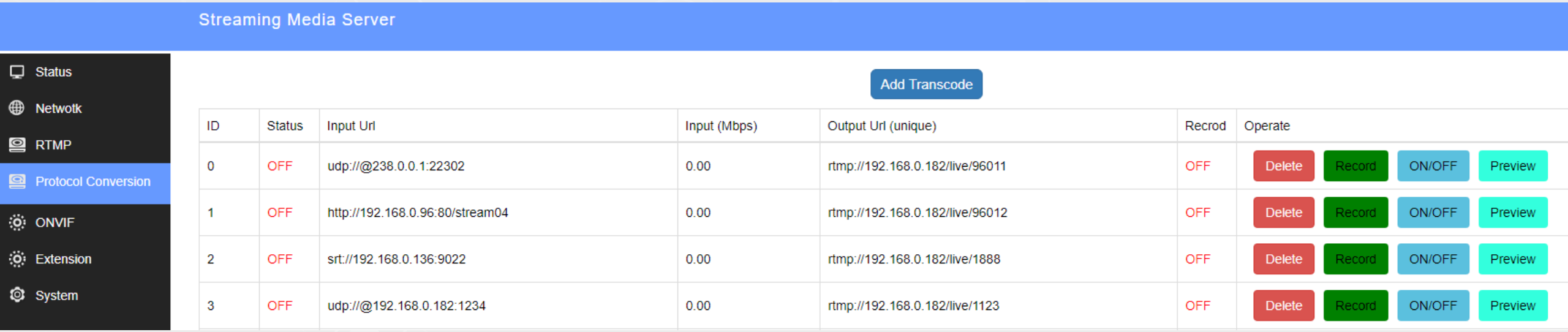


Figure 4.1

Transcoding Function displays here

Here you can set up
1- Transcoding from UDP/ RTMP/ SRT/ HTTP/ RTP to RTMP, RTSP, HLS, UDP out
2- Turn the session on/ off
3- Preview the stream
4- Manage the streams

TOP

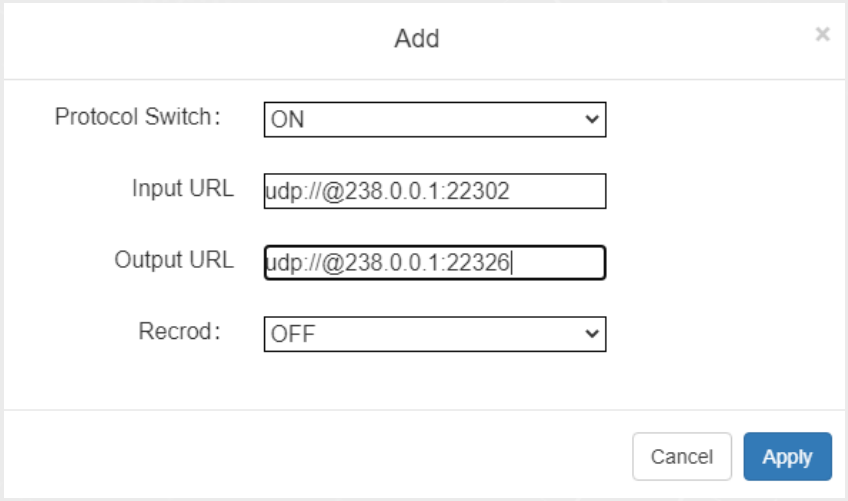


Figure 4.2

Enter the URL of the video source,
and set up the URL for output

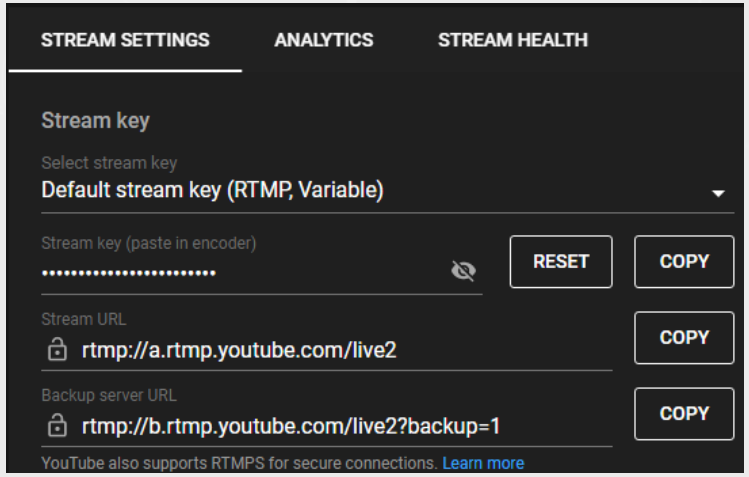


Figure 4.3 Youtube URL

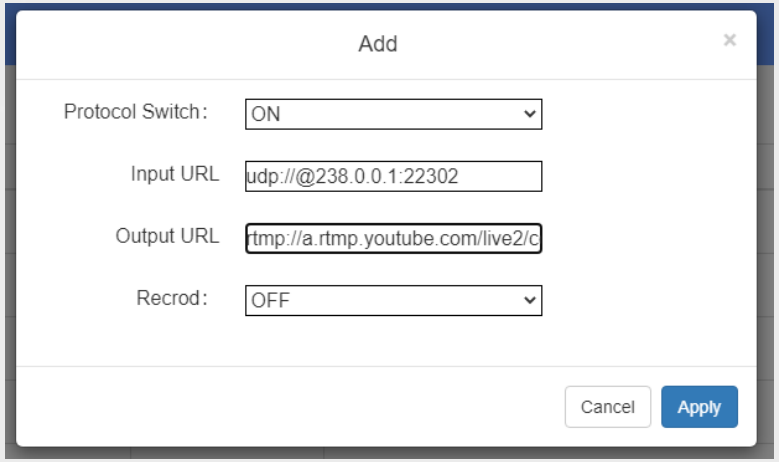


Figure 4.3-1

E.g. Transcoding from UDP to Youtube, enter the URL of the video source and then put the address From the platform, for example rtmp://a.rtmp.youtube.com/live2/streamkey

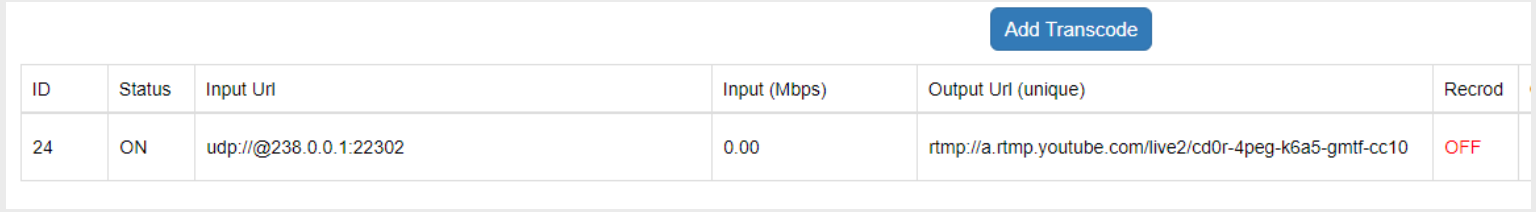


Figure 4.3-1

TOP

Playing feeds from USB

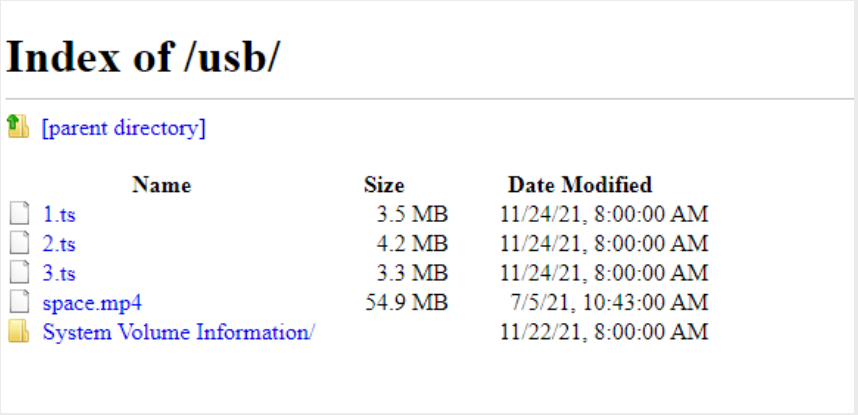


Figure 4.4-1

The FTP function will be activated and feeds can be managed
By accessing the FTP on the ui of the server.

The ts and mp4 feeds can be transcoded

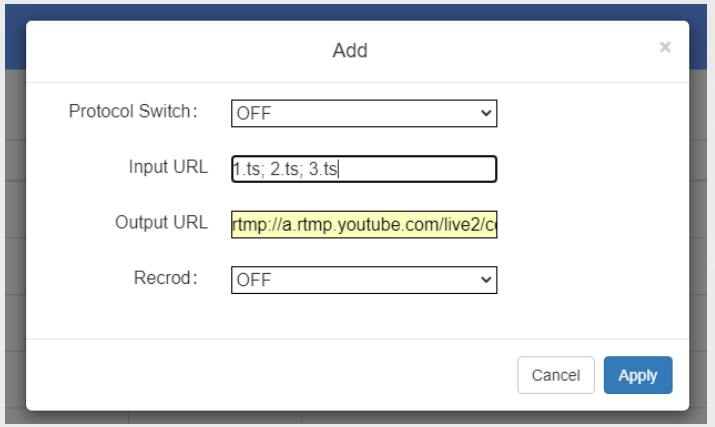


Figure 4.4-2

By inputting the name of the feeds and separate each by ";", and set up the URL for output.

ONVIF scanner

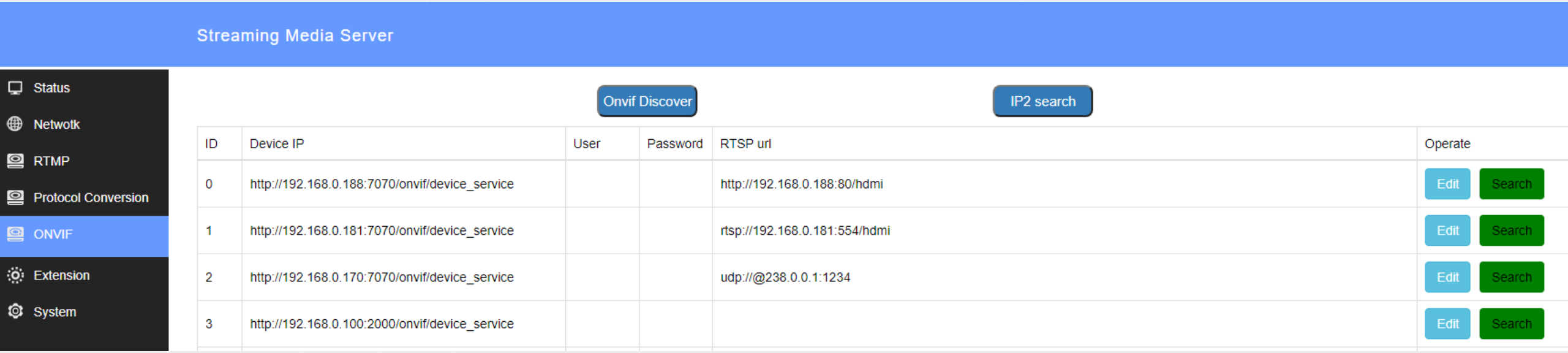


Figure 5.1

This function is for scanning the ONVIF devices in the intranet and get its stream url

TOP

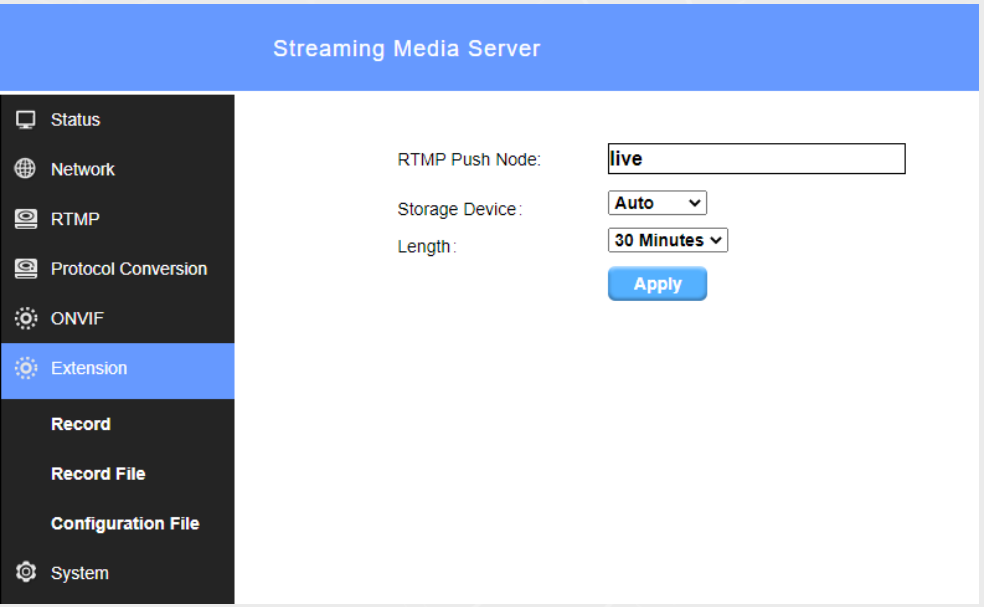


Figure 5.2 RTMP url structure

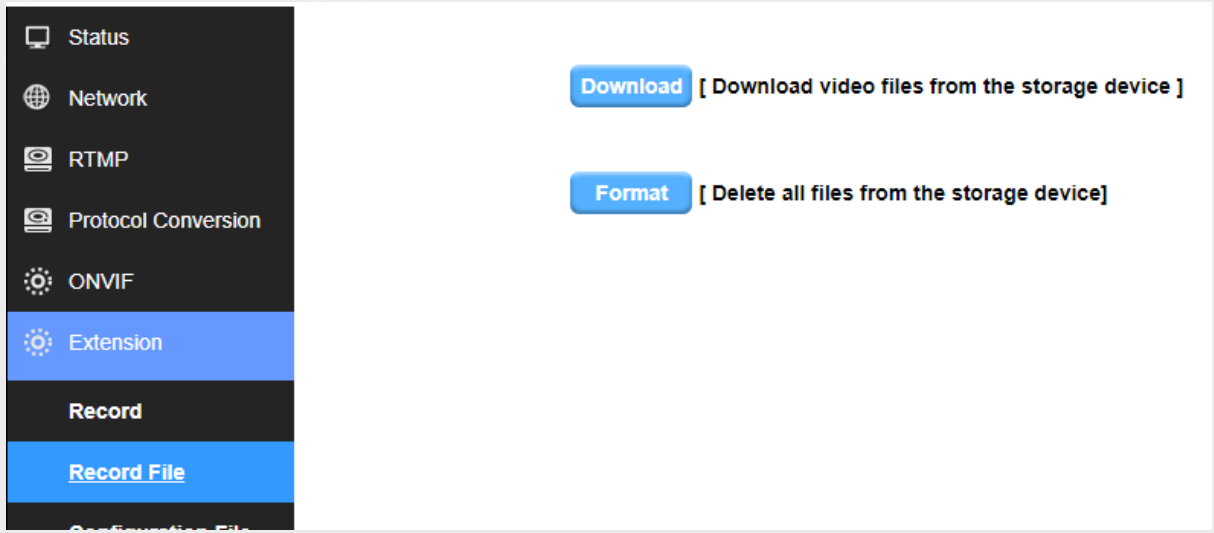


Figure 5.3 FTP

Please reset the FORMAT of the TF cards or USB devices if you that is first time used as FTP client with the server or cannot be read by the gear, and please make sure the USB device or the TF cards can be written.

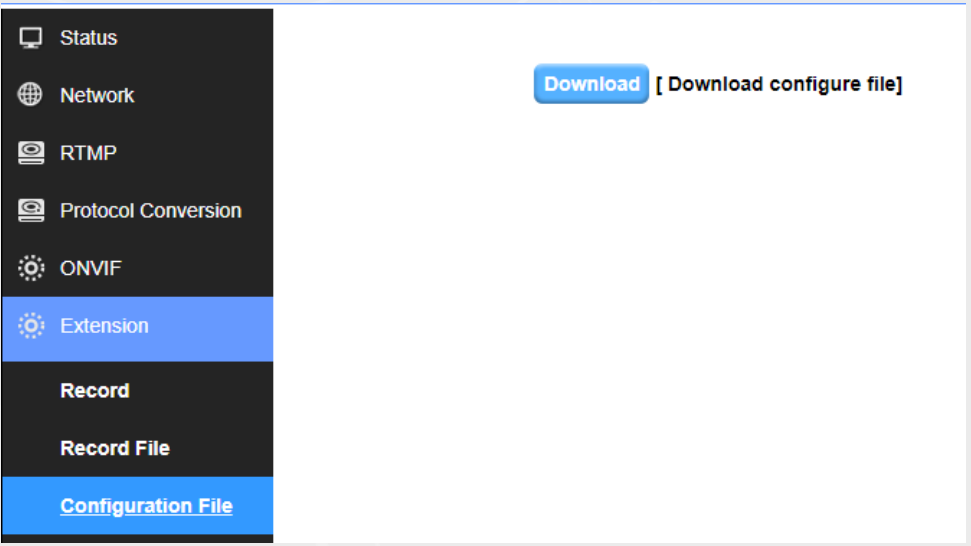


Figure 5.4 set up multiple feeds and get current settings.

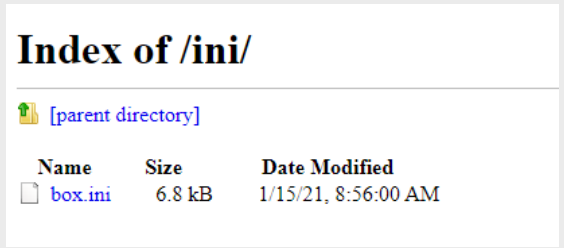


Figure 5.4-1 get the doc

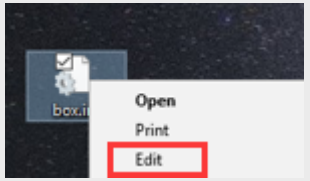


Figure 5.4-2 Edit the file

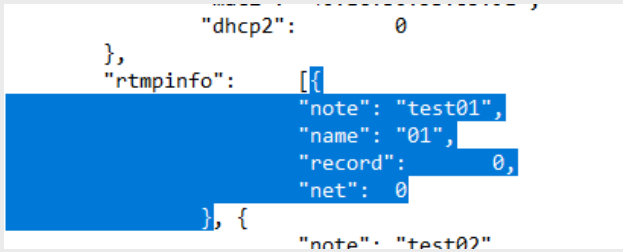


Figure 5.4-3 Segment of each channel

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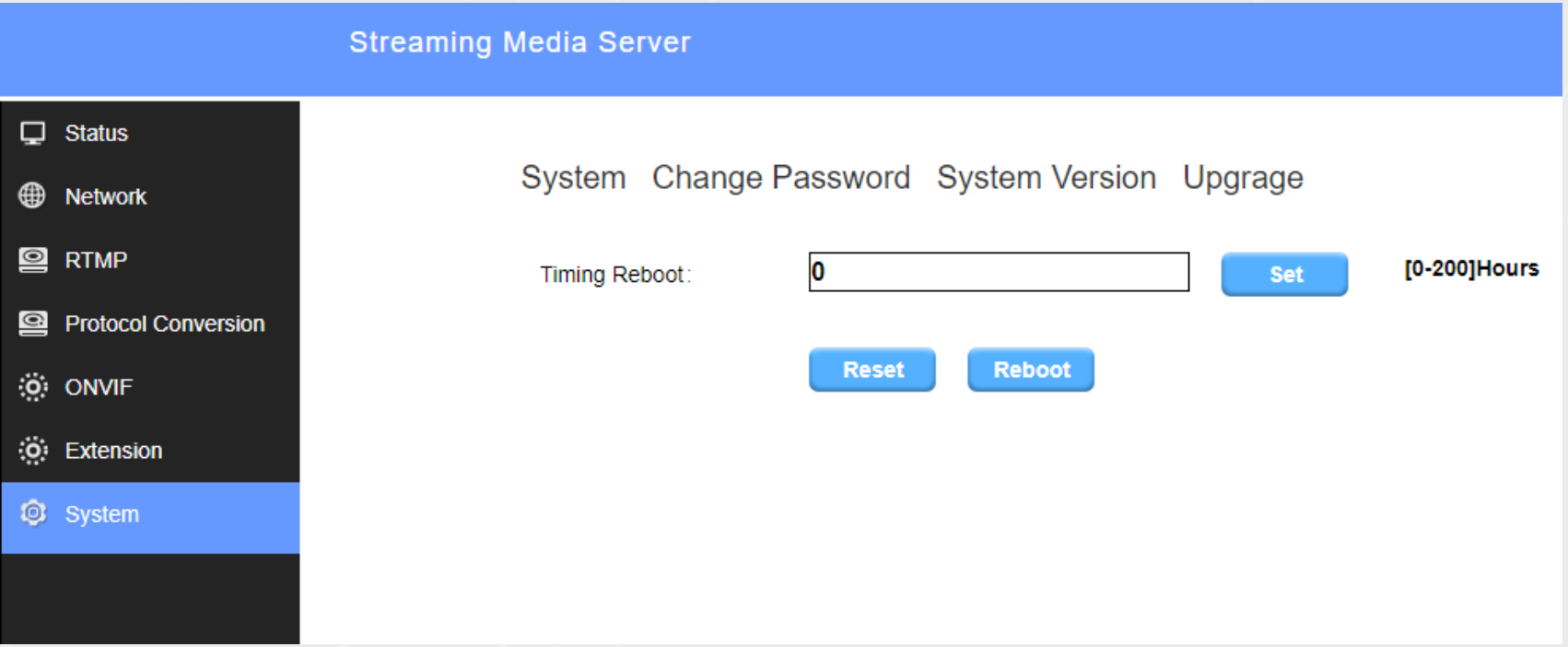

Figure 6.1 Reboot interval

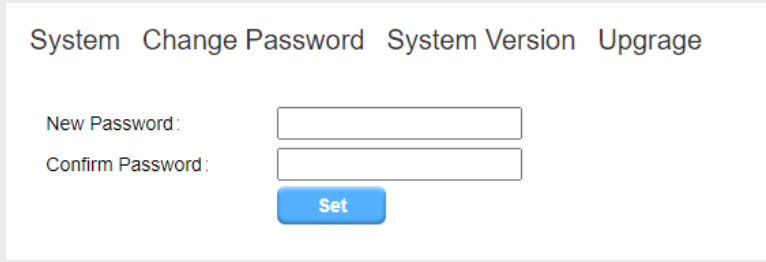

Figure 6.2 change password

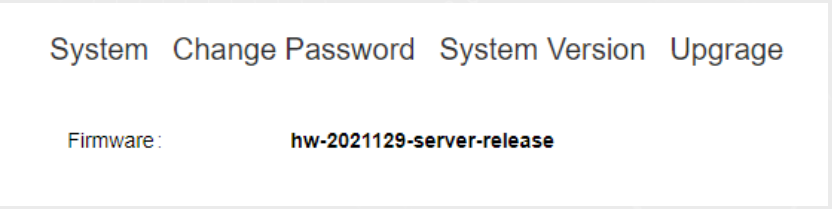

Figure 6.3 Firmware version

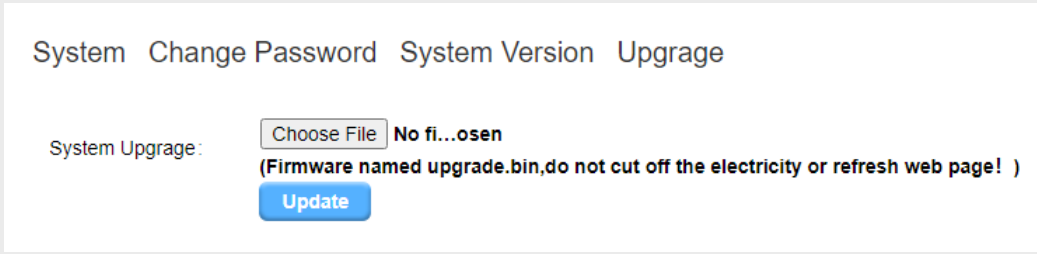

Figure 6.4 upgrade the device

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