Smart IP Video Intercom

SIP-D26V

User Manual

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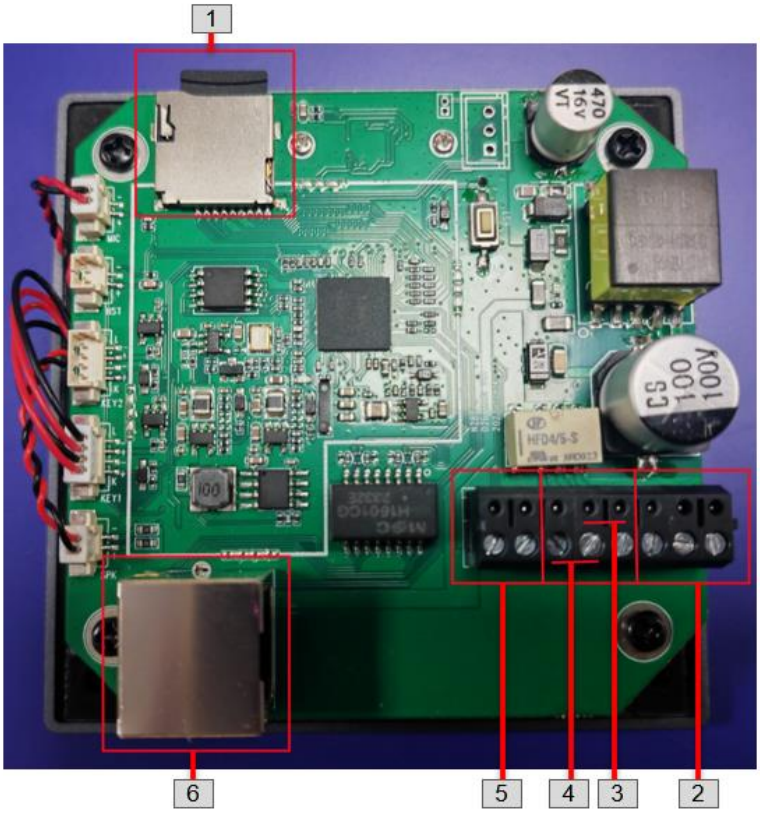
1. Overview

The SIP-D26V is a smart IP video intercom designed for two-way audio communication over IP networks. It is compatible with SIP & ONVIF protocols, enduring seamless integration with VoIP systems and security networks. The device is equipped with echo cancellation, automatic gain control, and noise reduction features to ensure clear audio quality, complemented by 2M pixel camera for high-definition video. The inclusion of a TF card slot allows for convenient storage of recorded footage. It supports PoE power supply and has a robust alloy shell, making it both durable and easy to install. With its comprehensive specifications and features, the SIP-D26V is an excellent choice for modern communication needs in secure environments.

2. Interface Description



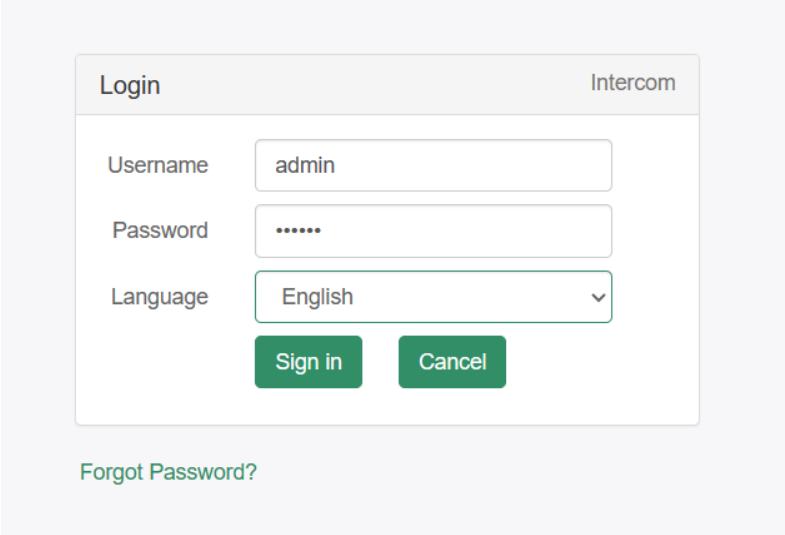
1	SD card Interface	Video storage
2	Relay	NC, COM, NO
3	IO OUT	
4	IO IN	
5	DC power in	12V in
6	POE	802.3af

3. Wed Configuration

The web configuration encompasses all function settings. When both the device and your computer are connected to the same network, please open a browser and type in http://192.168.5.200. Then, log in using the default username and password provided below.

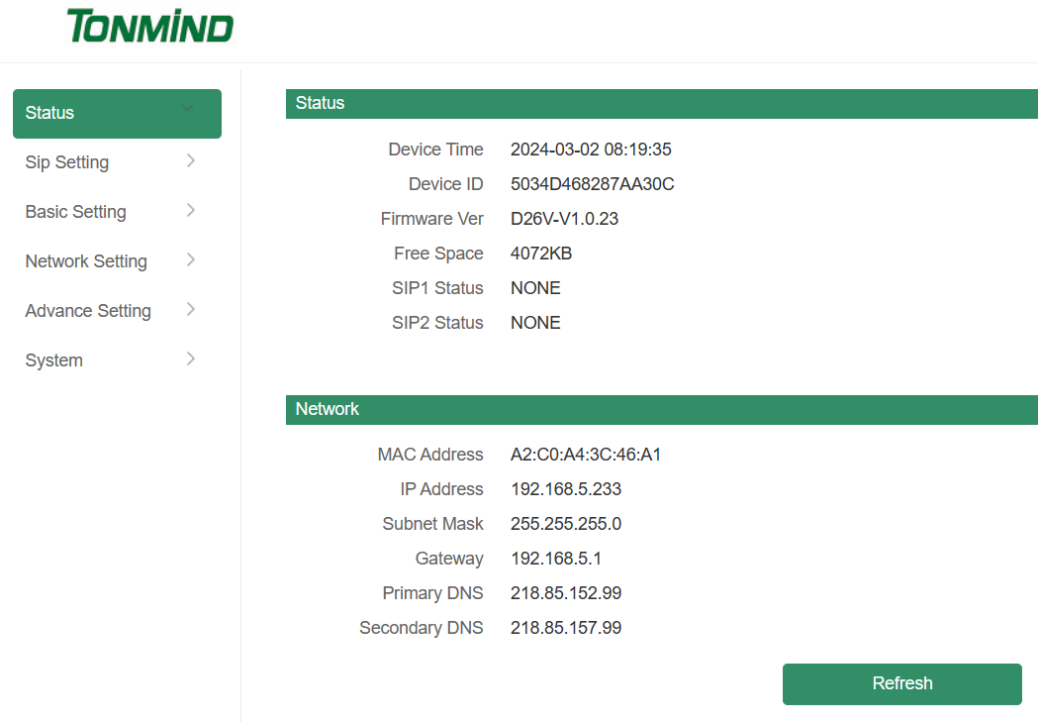
Username: admin

Password: tm1234



3.1 Status

You can access the firmware version, available space, and status of two SIP accounts for the SIP-D26V. Additionally, you can locate current network information such as Mac address, IP address, gateway, and more.



3.2 SIP Setting

3.2.1 SIP Account

Each device supports two SIP accounts. Fill in the SIP extension messages in the provided blanks, and save the configuration. Afterwards, you can check whether it successfully registers on the “Status” page or not.

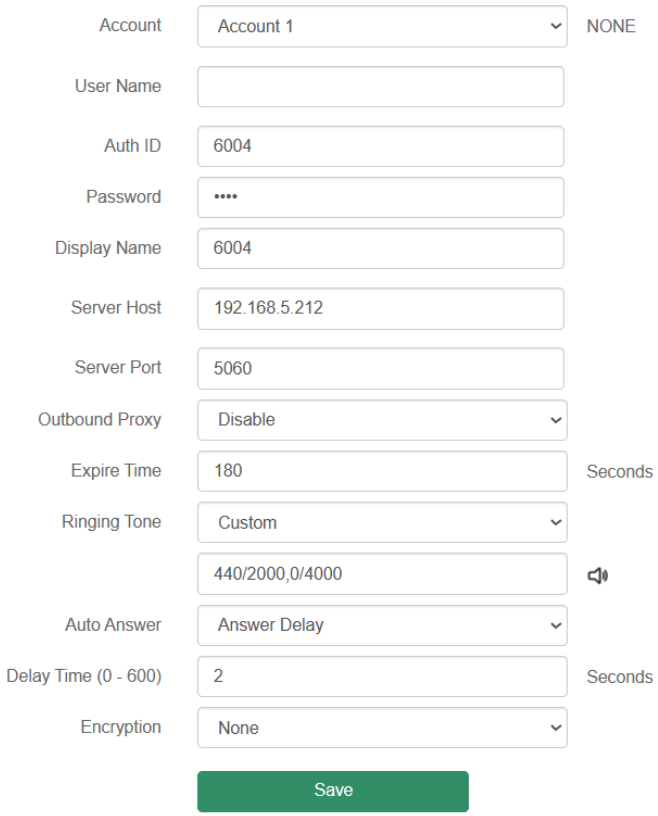
Outbound Proxy: Support to set outbound server, choose Disable or Enable.

Expire Time: Set the expire time registered account information.

Ringing Tone: 10 users upload media files.

Auto Answer: Answer immediately and answer delay when a calling income.

Encryption: Support SRTP or None

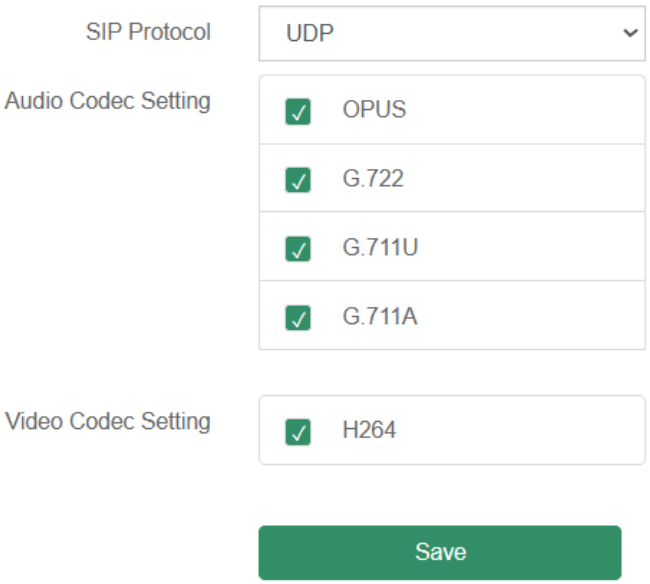


3.2.2 SIP Advanced

SIP Protocol: UDP, TCP, TLS.

Audio Codec Setting: Four audio codes to compatible with major audio sources.

Video Codec Setting: Now only support H264 format.



3.3 Basic Setting

3.3.1 Audio Setting

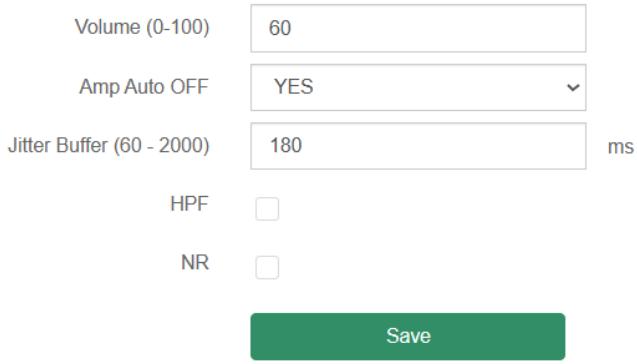
Volume: Adjust volume at 0-100.

Amp Auto OFF: It's set defaulted as ON, then there is no noise went not broadcasting.

Jitter Buffer: To make the audio more stable.

HPF: High Pass Filter

NR: Noise Reduction



3.3.2 MIC

Gain: Manual set, four option: none, low, middle, high.

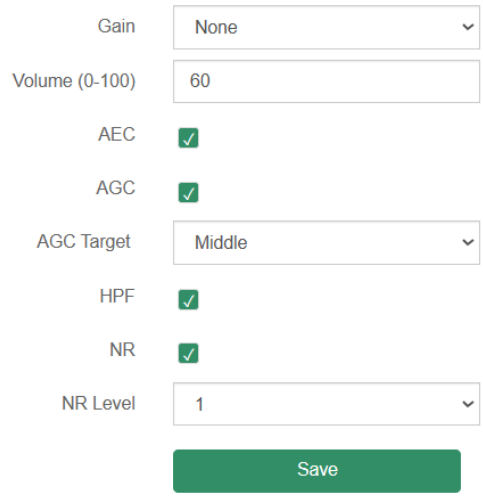
Volume: Adjust MIC volume at 0-100.

AEC (acoustic echo canceling): To make a perfect sound quality.

AGC (automatic gain control): Three option: low, middle, high.

HPF: High Pass Filter

NR: Noise Reduction



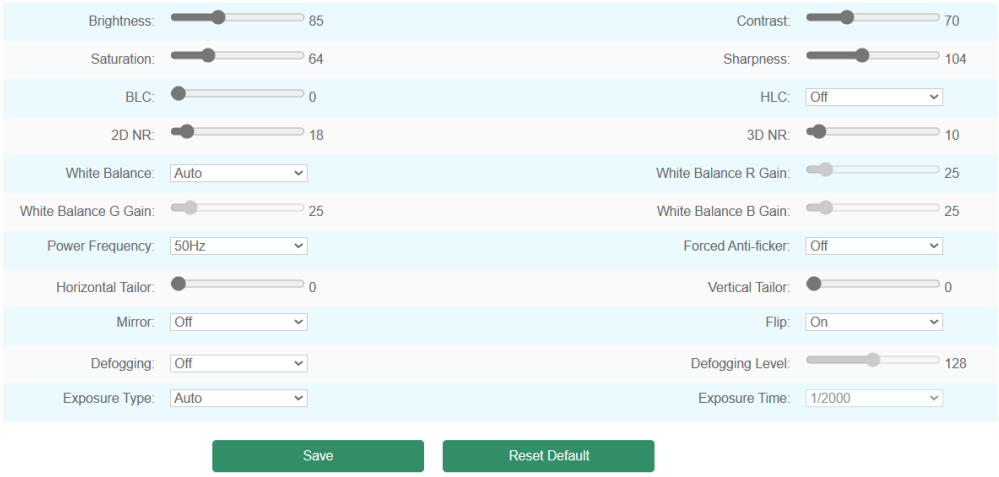
3.3.3 Media File

You can upload 10 media files as customers' demands: music, announcement, bells, etc.

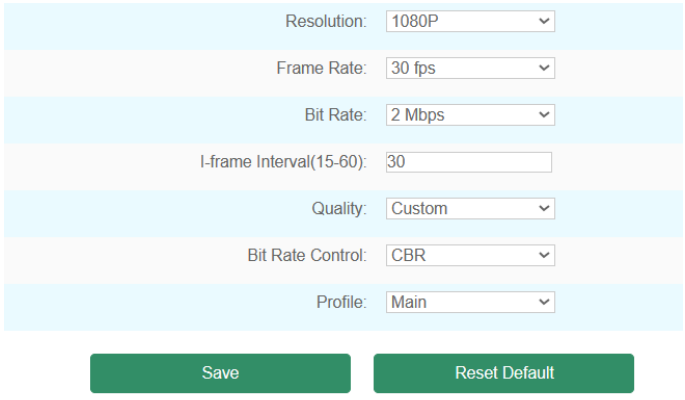
#	Name	File
1	userfile1	bell1.mp3
2	userfile2	
3	userfile3	
4	userfile4	
5	userfile5	
6	userfile6	
7	userfile7	
8	userfile8	
9	userfile9	
10	userfile10	

3.3.4 Video Setting

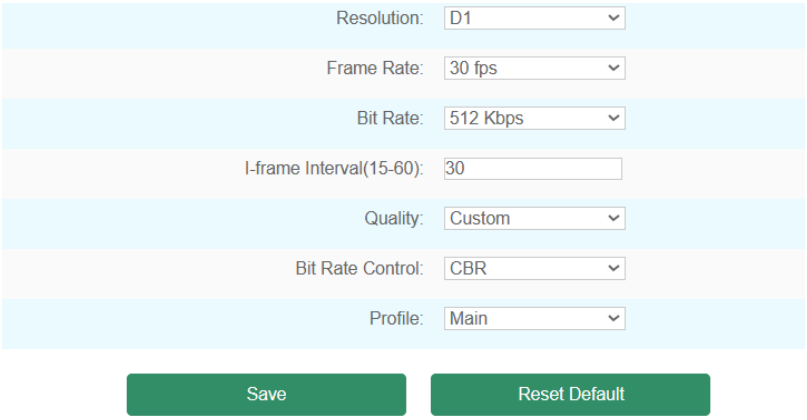
Display: Manual set and default set.



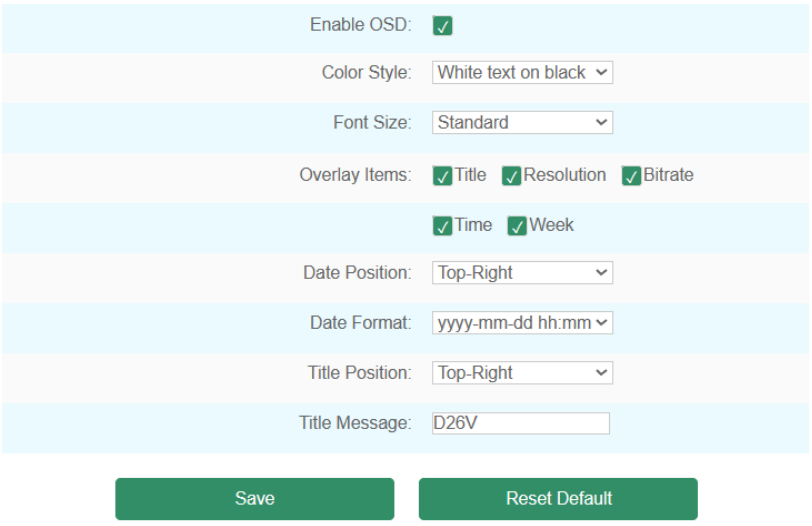
Main Stream: Manual set and default set.



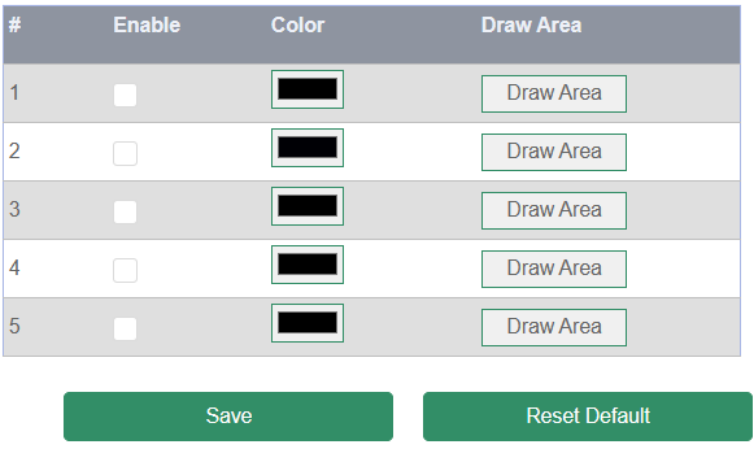
Sub Stream: Manual set and default set.



OSD: on-screen display

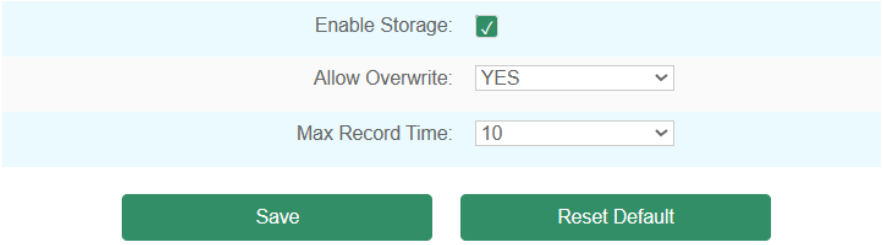


Privacy Mask: Able for 5 area set.

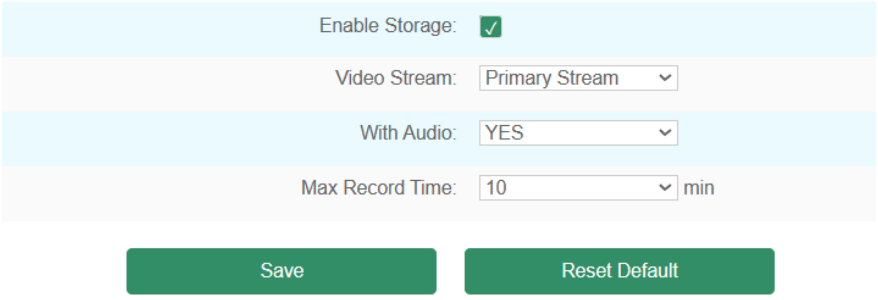


3.3.5 Storage

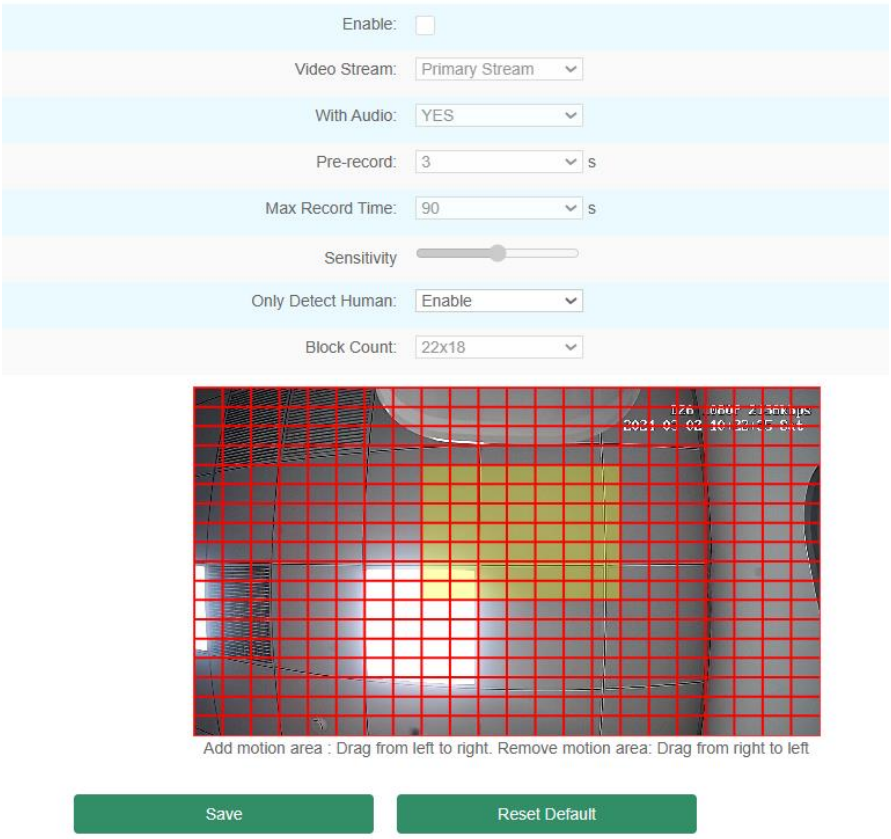
Base Setting: Enable storage or not, allow overwrite or not, Max record time(minutes)



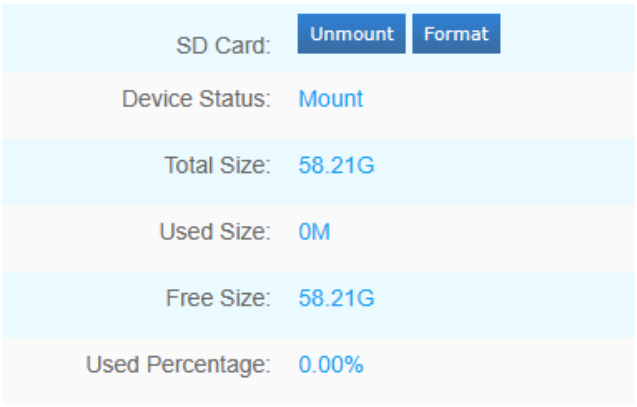
Record Schedule: Manual set and default set.



Motion Detection: After detecting as set, it starts to record video.



SD Status



3.3.6 Playback

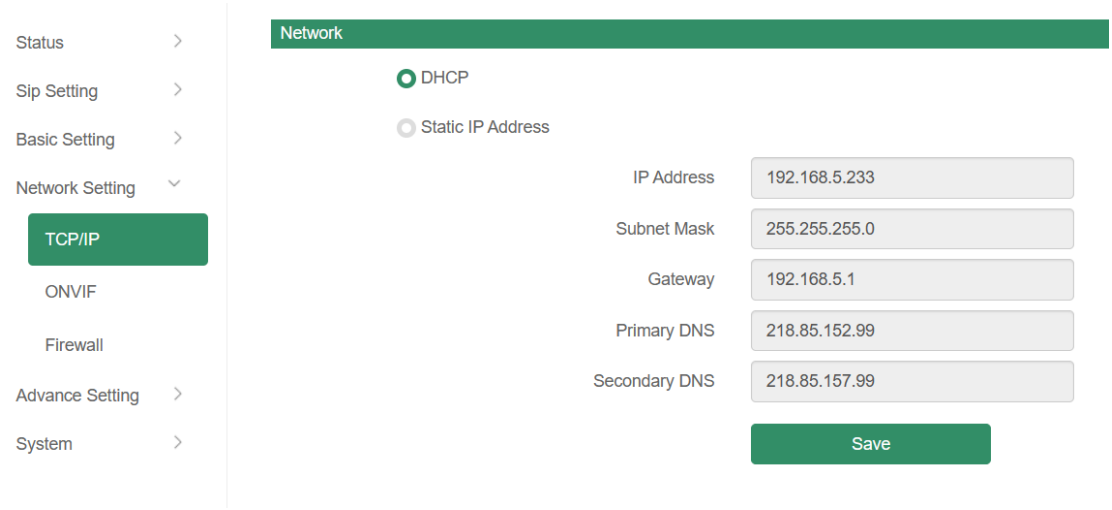
The SIP-D26V allows you to save recorded footage, enabling you to playback and review it at your convenience. The playback feature displays a timeline where you can locate and watch specific recorded time periods highlighted in green below.

3.4 Network Setting

3.4.1 TCP/IP

DHCP: When you select DHCP and save the setting, IP address will be automatically assigned by a DHCP server. Afterward, you'll need to login again with the new IP address via your browser: 192.168.5.XXX.

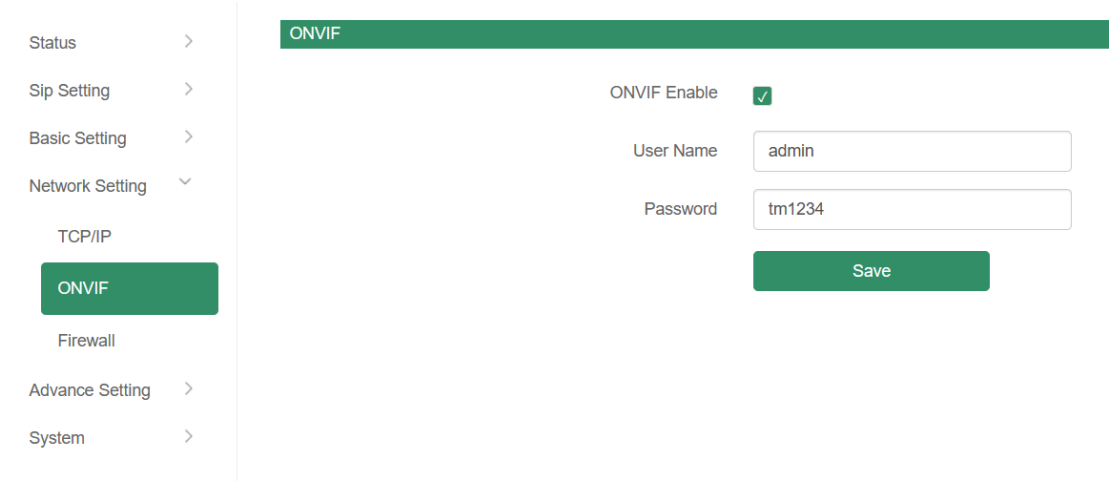
Static IP Address: It is a default IP and will not be changed as following.



3.4.2 ONVIF

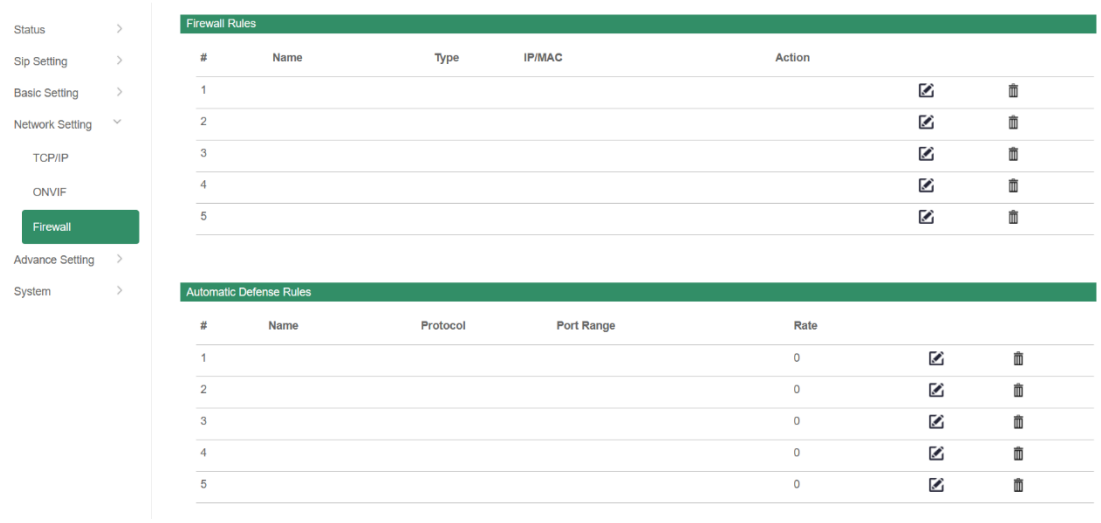
After selecting Enable ONVIF, the device will be discoverable by ONVIF VMS during the search process.

Default user name: admin; Password: tm1234.



3.4.3 Firewall

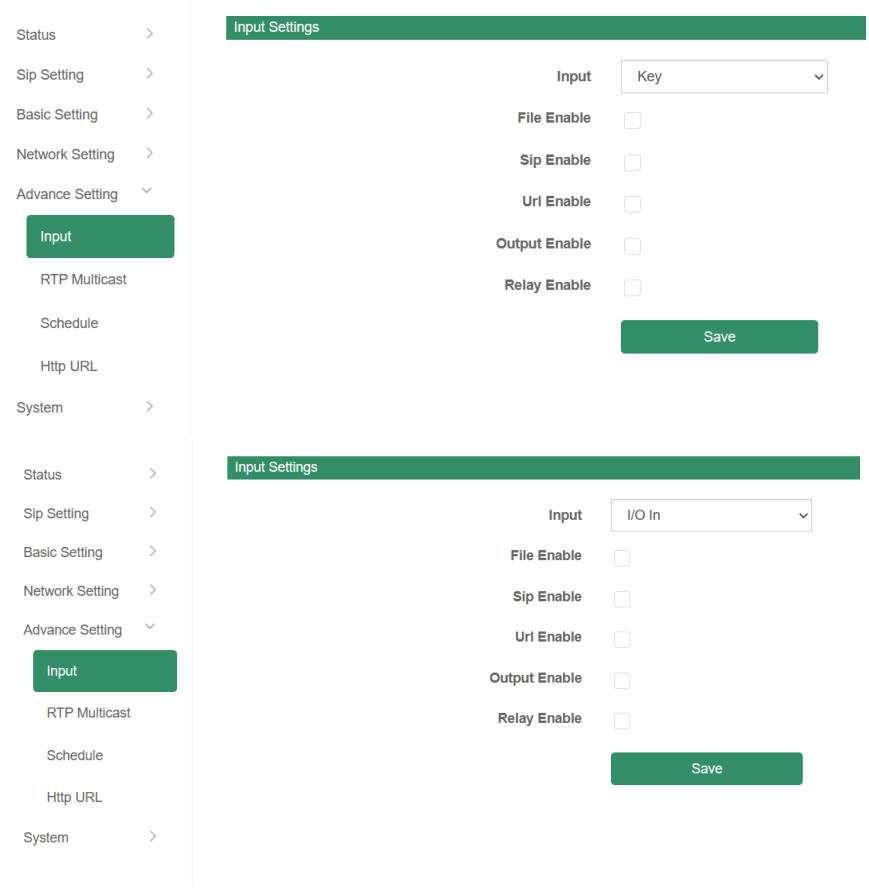
This function is utilized to enhance your network security. You can customize the firewall's automatic defense rules according to your requirements, as follows.

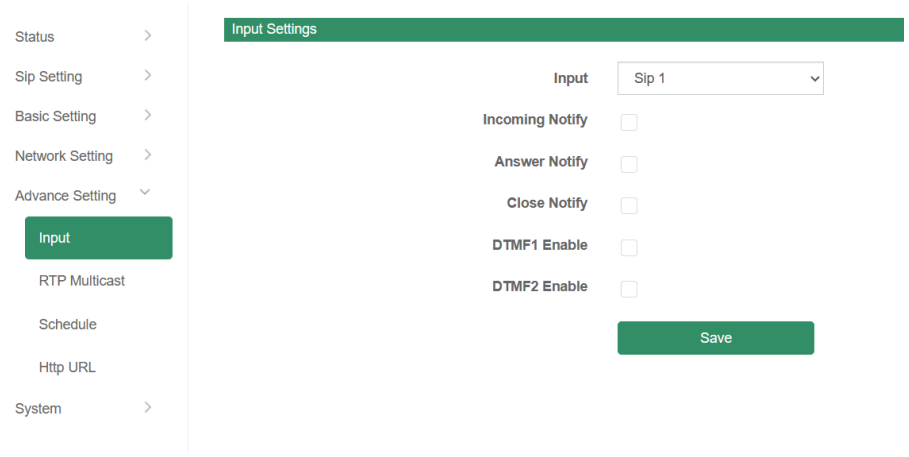


3.5 Advance Setting

3.5.1 Input

Input: Key; I/O In; SIP 1; SIP 2.





3.5.2 RTP Multicast

Each device can receive up to 10 RTP addresses. Please note that when setting the same RTP addresses, port numbers should not use continuous numbers. Use discontinuous numbers e.g.:

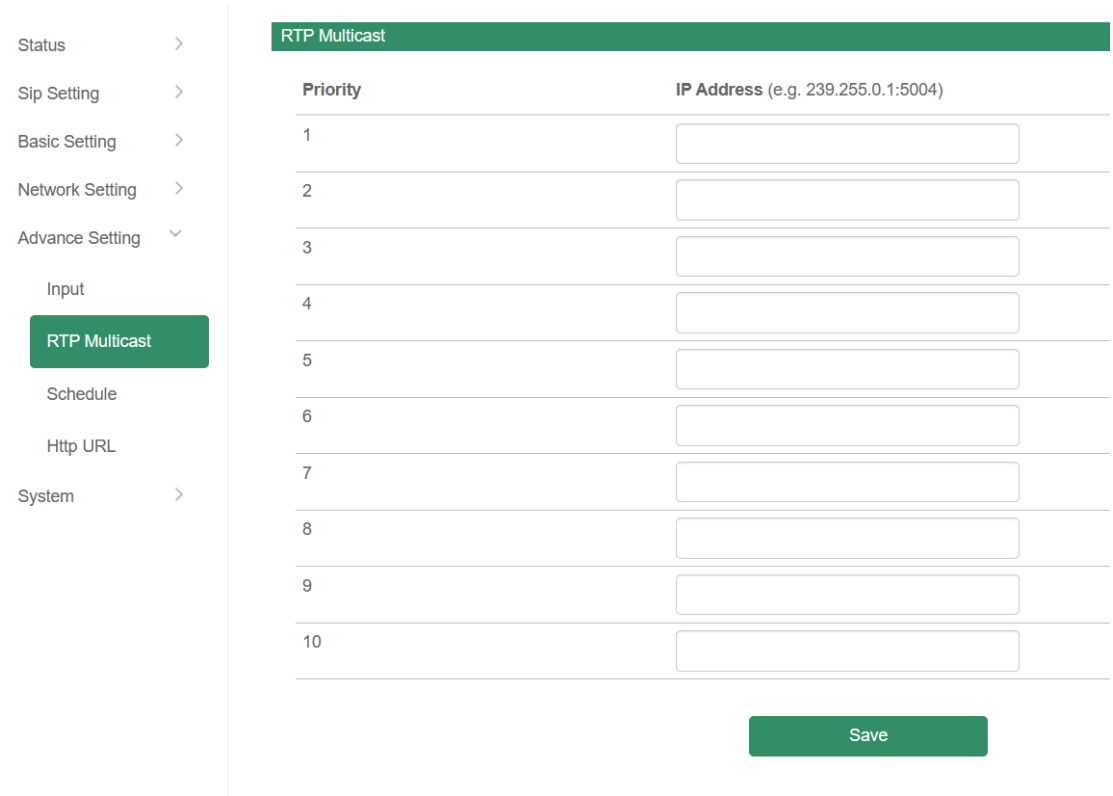
239.255.1.2:8000, 239.255.0.1:8001, 239.255.0.1:8002 (×)

239.255.0.1:8000, 239.255.0.1:8002, 239.255.0.1:8004 (√)

• Multicast address range: 224.0.0.0-239.255.255.

• Ports range: 1024-65536

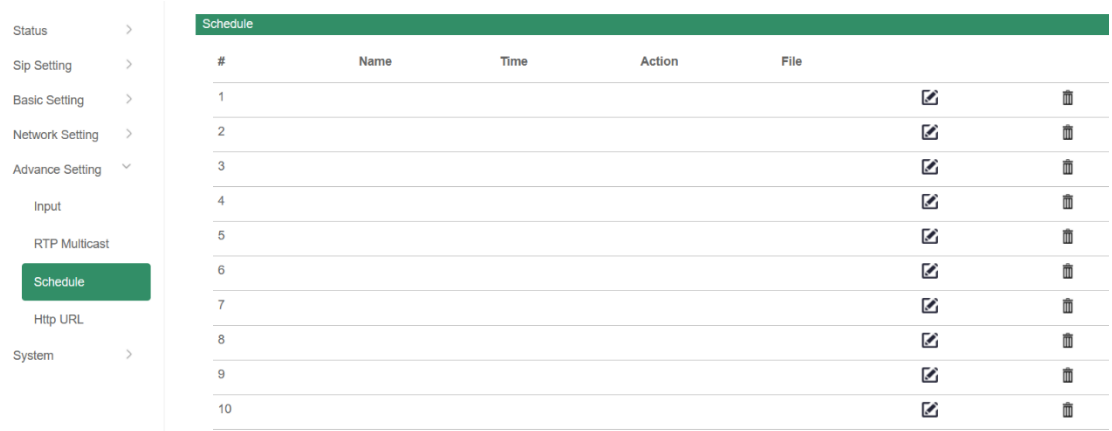
• Use IP Tool, Audio manager and PA System to make RTP multicast.



3.5.3 Schedule

This function is widely use in school, factory and office projects. Making a regular bell, announcement and alarm.

Enable the schedule, you can name the schedule, then setting it step by step.



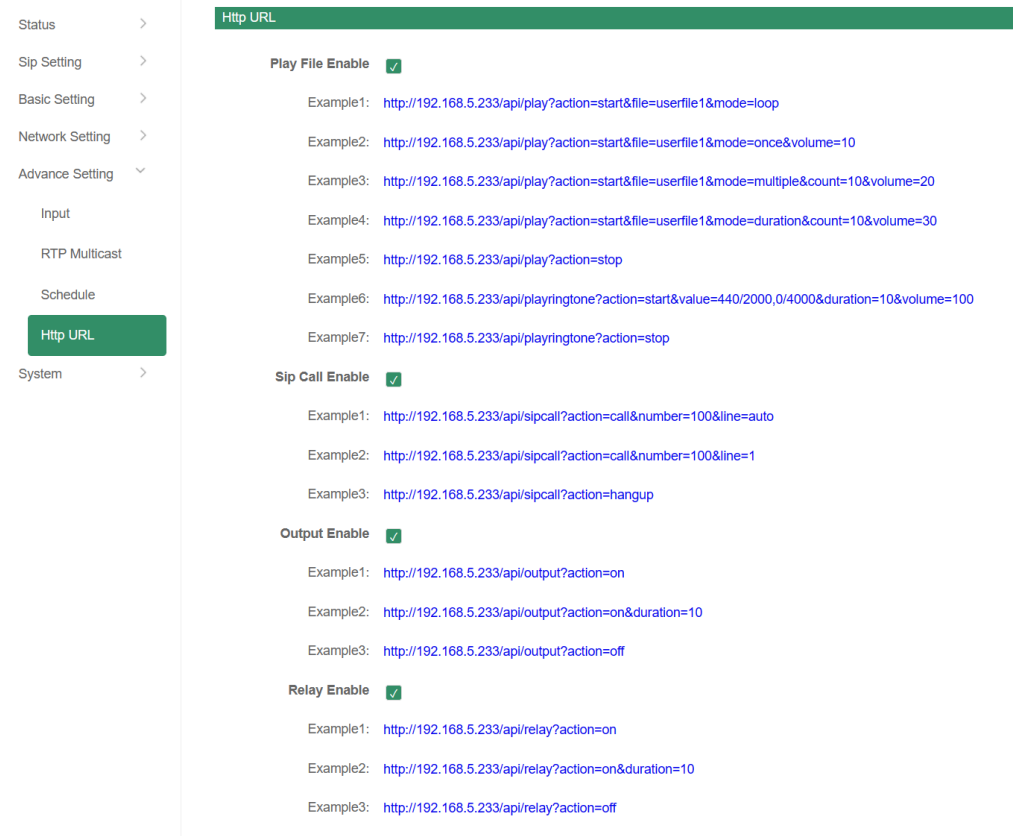
3.5.4 Http URL

User can control the alarm by HTTP URL:

(1) Enable the selection;

(2) Open any browser you have in computer;

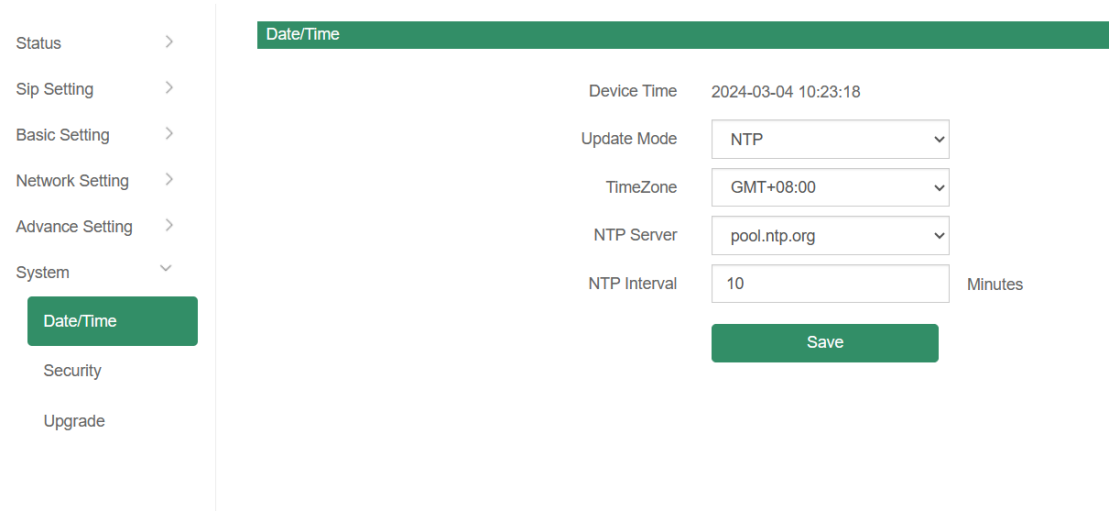
(3) Put the URL as the following examples, enter it.



3.6 System

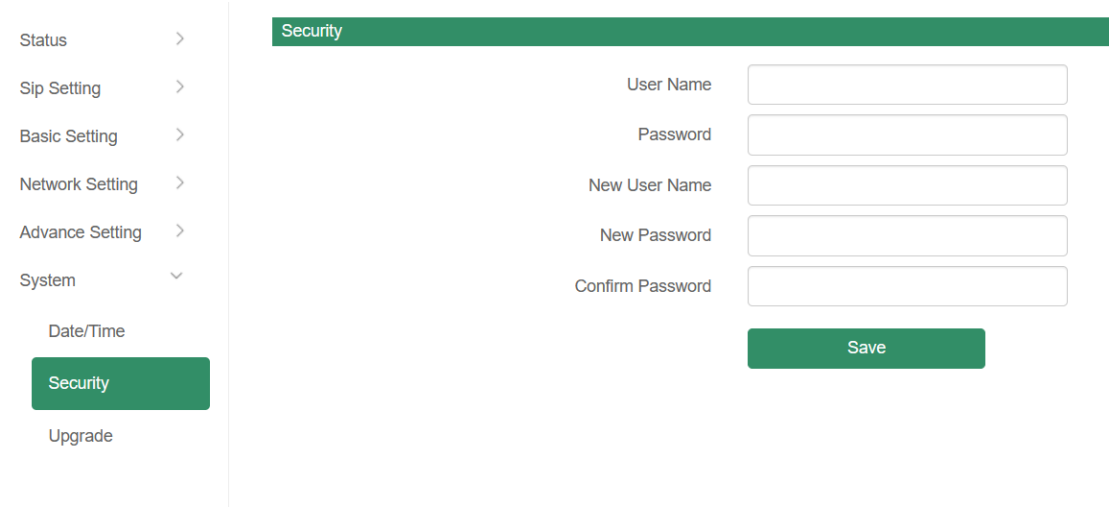
3.6.1 Date/Time

There are two update modes for time: NTP/local time. Please select one and configure the time zones accordingly. NTP sever and interval can choose default setting, then save the configuration.



3.6.2 Security

Set a new user name and password as needed, save the configuration, and then restart the login process.



3.6.3 Upgrade

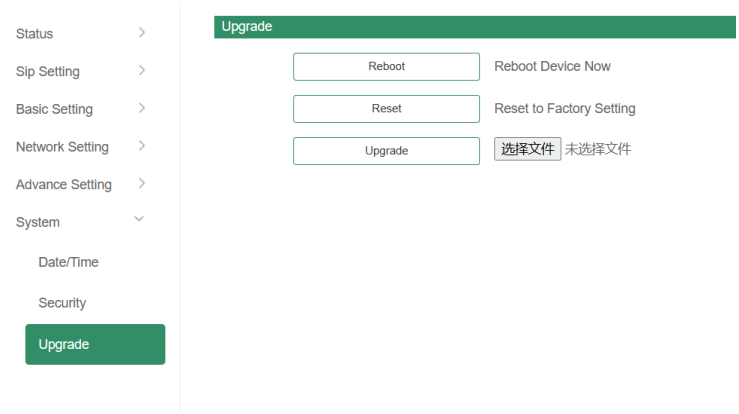
When you reboot or reset the system, it will revert to its original settings, and you will need to log in to the web page again.

How to upgrade SIP-D26V firmware version in web interface?

(1) Select the latest version firmware

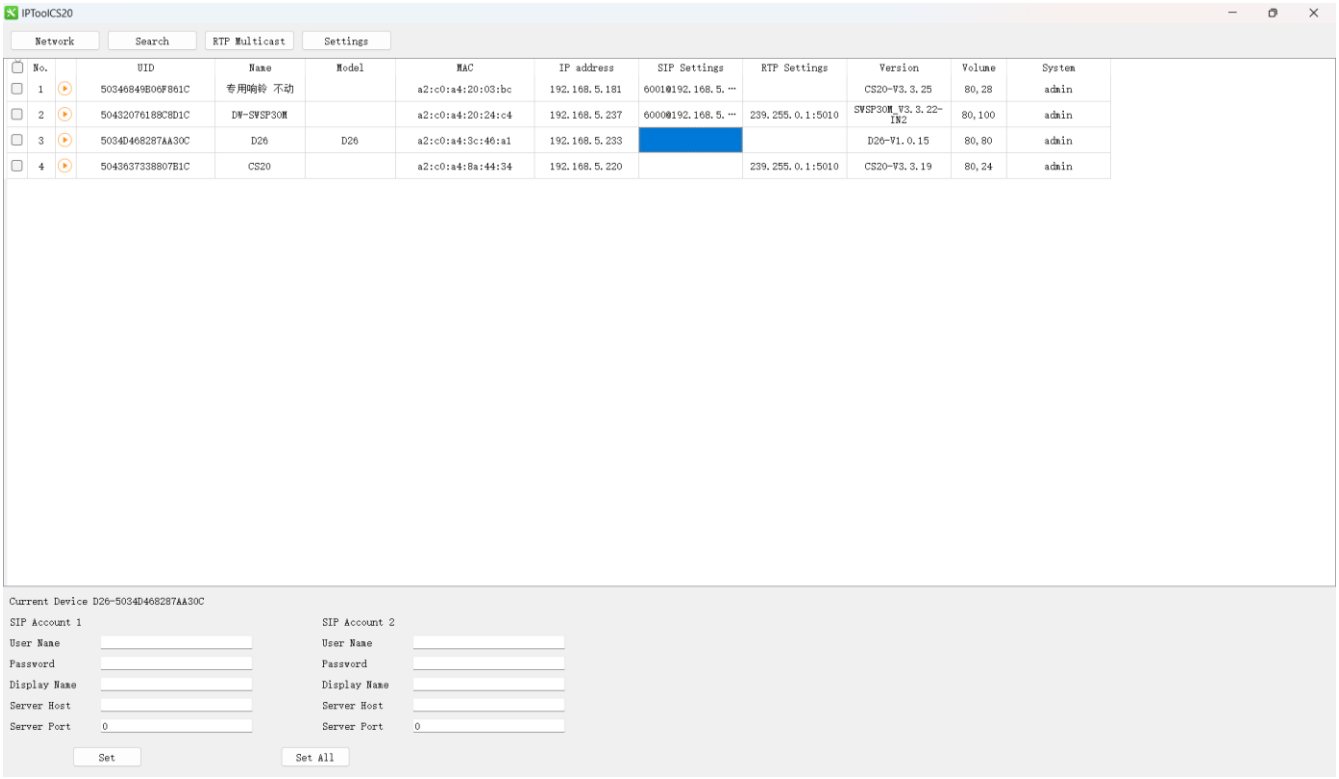
(2) Click upgrade to refresh, it would require about 20s.

(3) Re-login the web interface, latest version has upgraded.



4. IPTool Configuration

In addition to Web configuration, IPTool provides another option for quickly configuring basic information such as SIP account settings, volume settings, RTP Multicast Settings, and upgrades. Below are the steps to follow:

(1) Download IPTool in https://www.tonmind.com/category/downloads/5.

(2) Enter IPTool, scan local network, the device will appear and then start setting.