MSP 326L



Quick Start

RGBlink®

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USER YOUR PRODUCT

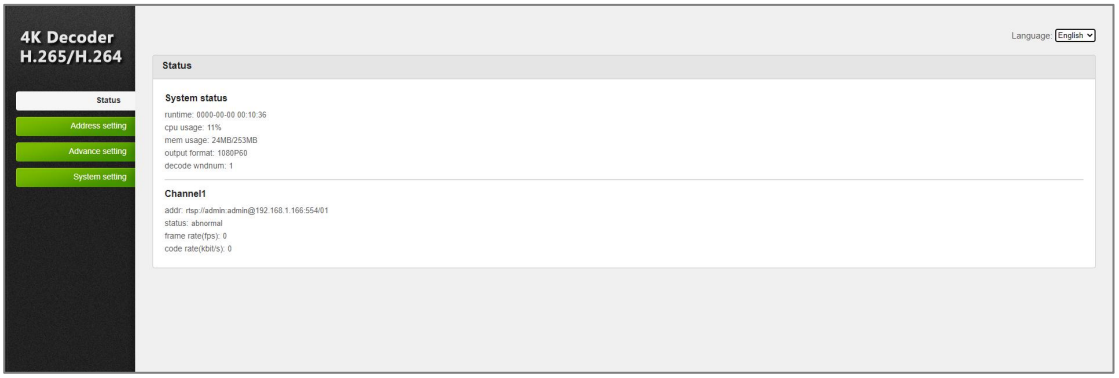
1. Environment Configuration

1.1 Log in Web UI

Type in 192.168.1.169 to the search bar of your internet browser and open up the online admin interface. There will pop up and a window asking for user name (admin) and password (admin).

1.2 Check Status

Change the language of WEB UI to English if needed. Check the main stream address.

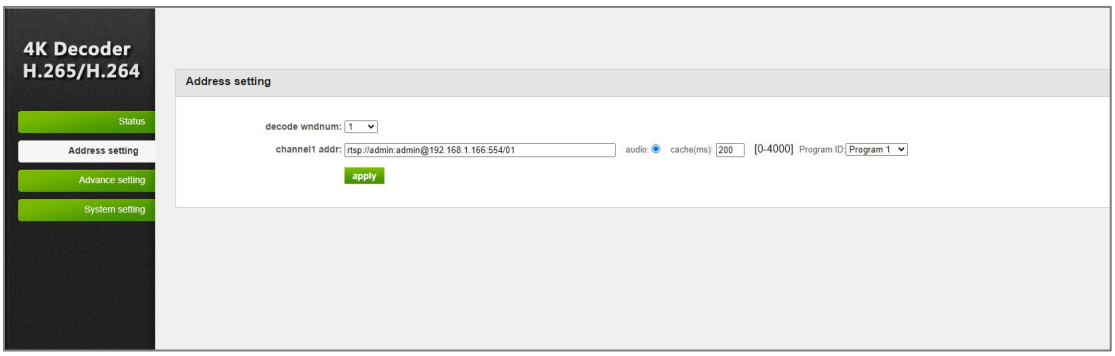


Note: If the window does not pop up, please configure the network for the device.Run scandev.exe and change the IP address of MSP 326L,whose IP address should be in the same network segment that of with your computer

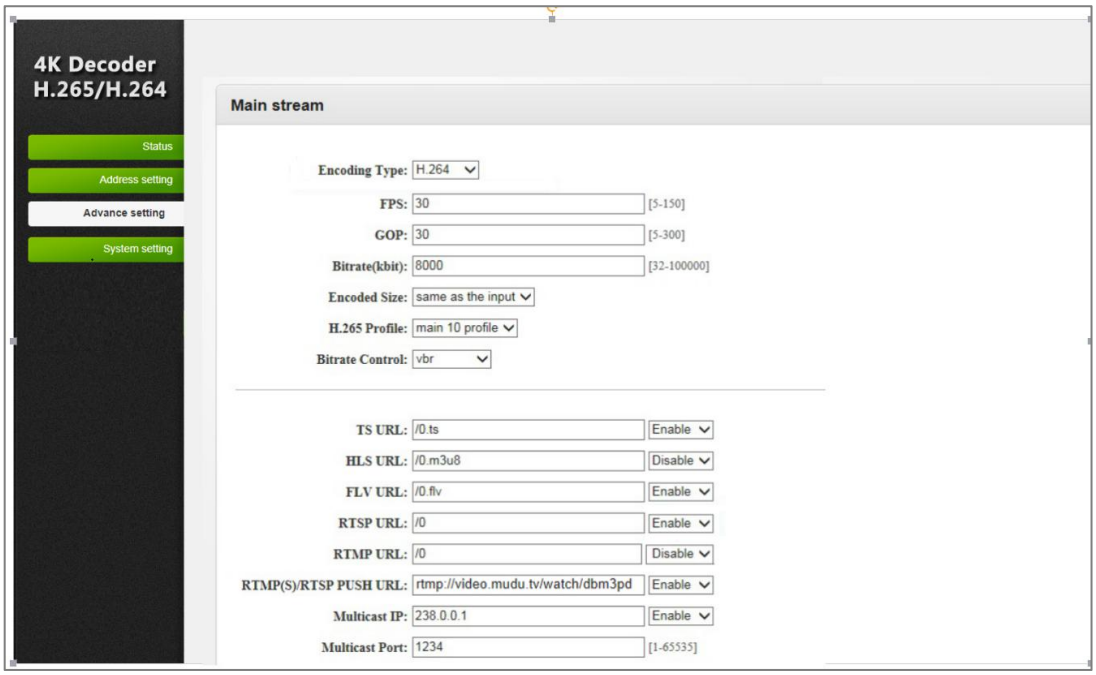
2. Decoder Setting

2.1 Address Setting

Click【Address Setting】→Type in each parameter's value→click【Apply】



2.1 Advance Setting



Explanation of Some Parameters:

FPS:Frame Per Second, numbers of picture output each second

GOP:gap of key frame, how many pictures between each two key frame

Bitrate:numbers of bits processed in each second.

Here is an usual bitrate setting table.

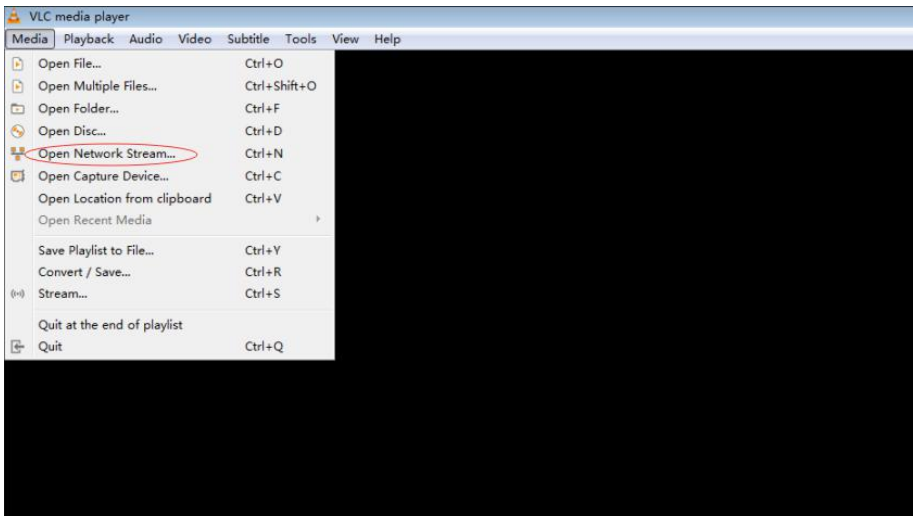
Item	Calculation Formula	192×144	320×240	480×360	640×480	1280×720	1920×1080
EX Low	W×H×3/4	30kb/s	60kb/s	120kb/s	250kb/s	500kb/s	1mbps
Low	W×H×3/2	60kb/s	120kb/s	250kb/s	500kb/s	1mbps	2mbps
Medium	W×H×3	120kb/s	250kb/s	500kb/s	1mbps	2mbps	4mbps
High	W×H×3×2	250kb/s	500kb/s	1mbps	2mbps	4mbps	8mbps
EX High	W×H×3×4	500kb/s	1mbps	2mbps	4mbps	8mbps	16mbps

3. Application

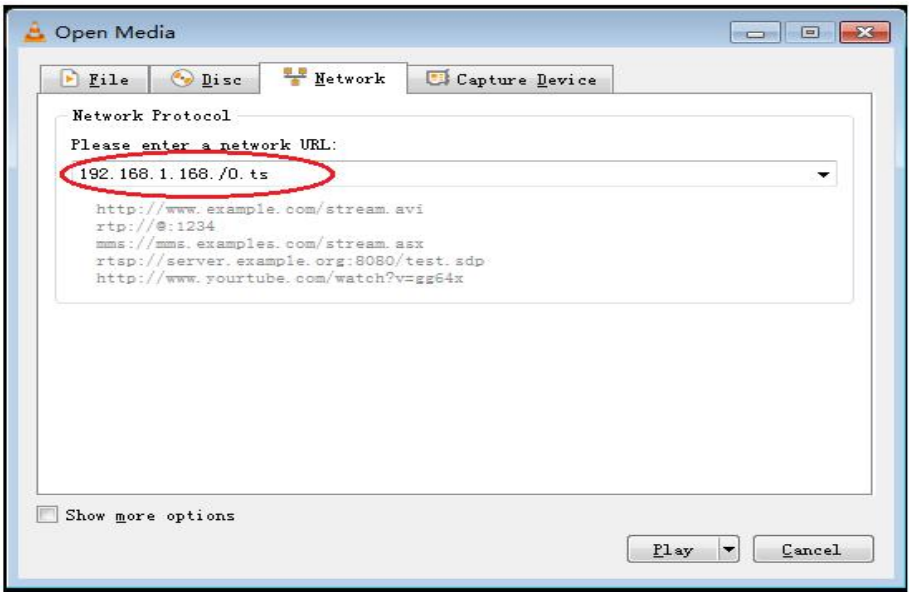
3.1 Scenario of A few Users

3.1.1 Play Video on VLC Media Player

play video on VLC Media Player. When there are valid input signal captured, open up VLC Player(download：http://www.videolan.org/),choose【media】→Open Network Stream.



Type in the TS URLfrom Main Stream



3.1.2 Play Video on Low-latency Player

Open demo_player_ui.exe (self-developed player, only supports private protocol playback), enter the IP of the encoder and click GO to play, with a delay of about 80-200 milliseconds.

3.2 Local Multicast of Multiple Users

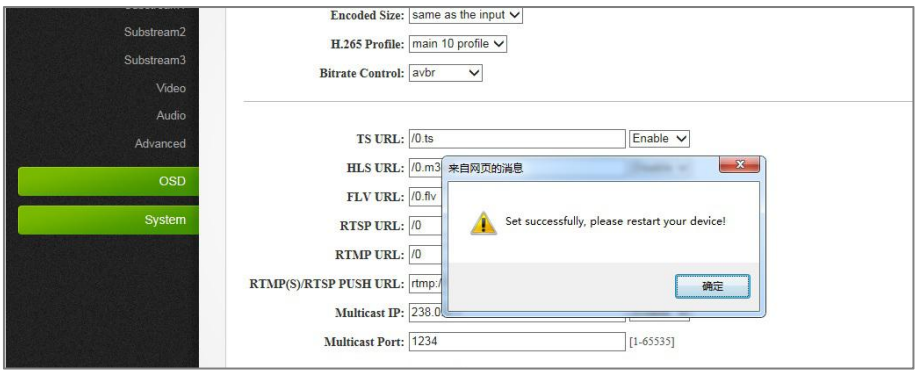
3.2.1 Multicast

Multicast is designed for multiple local users to watch the video source from one Encoder.

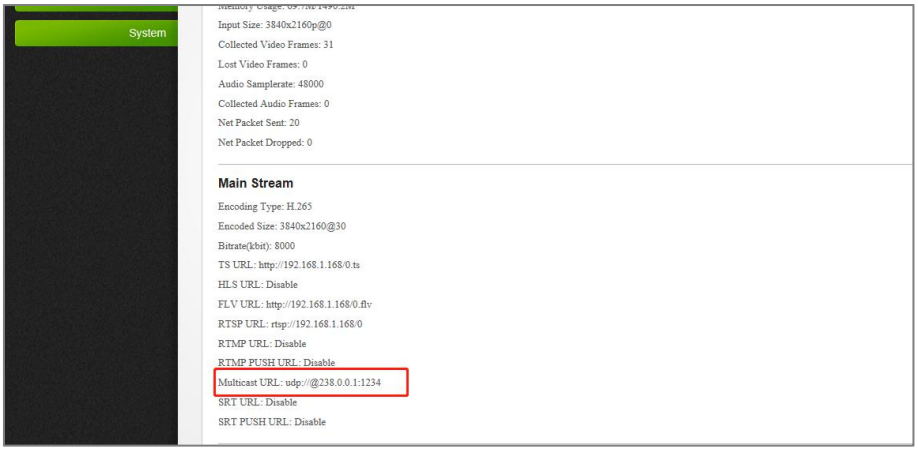
Enable Multicast in Decoder→Main Stream→Enable Multicast

After Enable Multicast, a warning window pop up. Reboot the Encoder is required.

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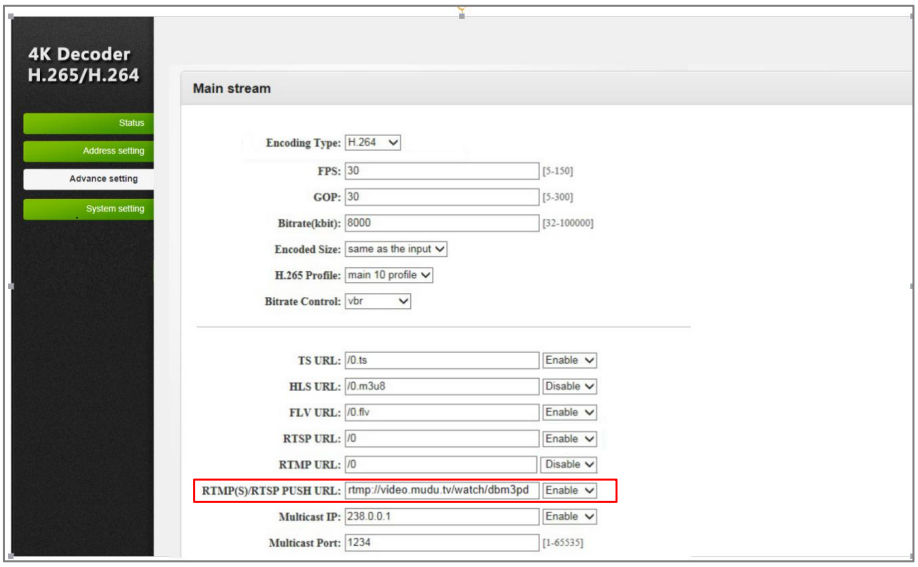


After rebooting the device, a multicast URL is shown in the Status. Copy the multicast URL and paste on VLC Player of each each user.



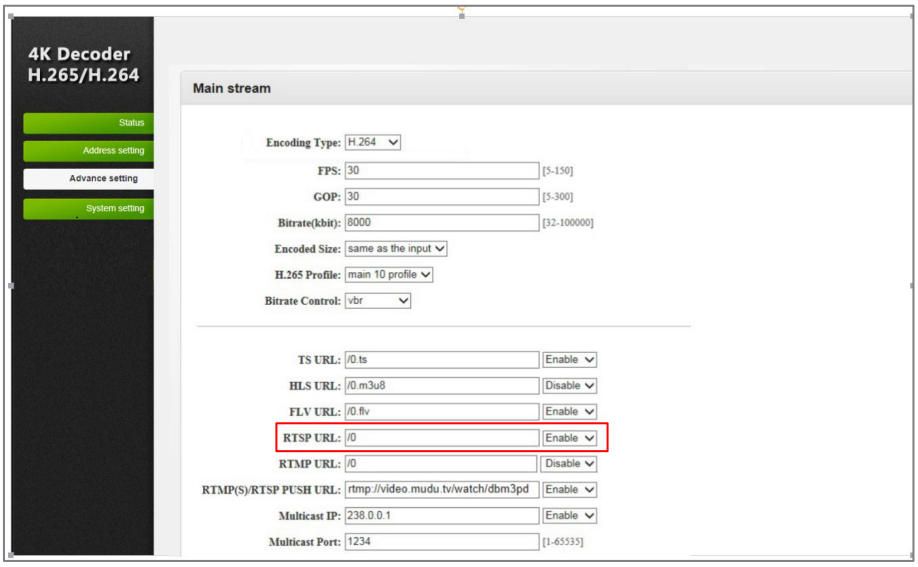
3.2.2 Establish Service

Install nginx server software on the PC. After decompressing the software, run and restart the nginx-1.5.8.
flow address of is as follows: RTMP: / / IP/HLS/stream_name (note: IP = server IP, stream_name = an English name), such as: RTMP: / / 192.168.20.128 / HLS/teststream;
Fill this address into the 【RTMP PUSH URL】of the encoder's Settings page and reset the encoder, so that the encoder streams to the server through this address, and we can watch the video stream pushed by the encoder on the client side.
The address to play on the client side is:
RTMP: / / IP/HLS / < stream_name > or http://ip:8080/hls/ < stream_name >. M3u8.



3.3 Play Source on NVR

Make sure your NVR can support H.264 decoding. Due to ONVIF communication, RTSP shall be enabled.

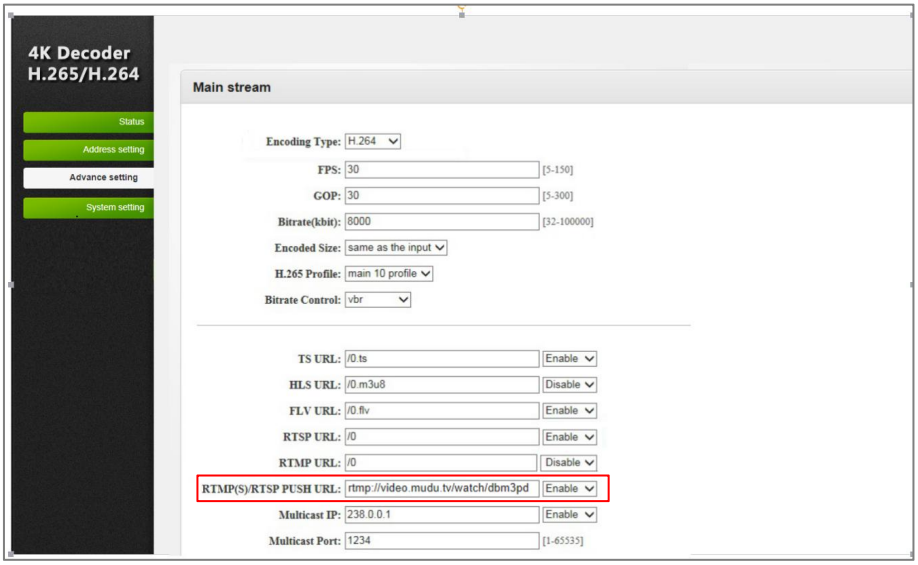


3.4 Live Platform RMTP Connection

If a large number of users from all over the country need to watch the video source of the same encoder at the same time, we suggest the RTMP transfer mode. At present, we perfectly support RTMP server platforms including free platforms: NGINX, RED5 MEDIA SERVER,paid platform: ADOBE MEDIA SERVER5 and some platforms such as http://mudu.tv/. Other methods of setting the RTMP publication are as follows:

Since the current RTMP protocol only supports H.264 function, you need to set the encoder type to H.264, set the RTMP publishing address in the live broadcast platform and enable it as shown in the picture below. After setting, please restart the encoder.

Note: Some live streaming platforms provides a live code and the RTMP address. Then we need to combine the two pages of text and fill in to the encoder: RTMP address plus slashes, and live code Such as RTMP address is: RTMP: / / video mudu. TV/live broadcast code for: abcdef combination: rtmp://video.mudu.tv/live/abcdef



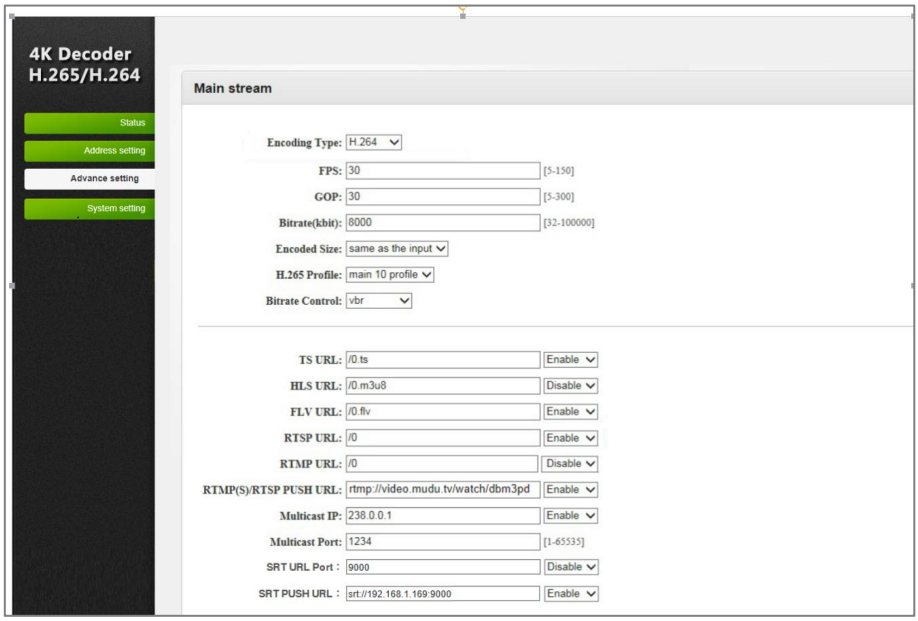
Note: If the video cannot be opened ,you can check the error in the following ways:

1: Check whether the transcoded TS stream in the device can be opened in VLC.

2: Check the RTMP connection status. If no connection, check the network Settings (the IP address should be set to the IP address that can access the external network), such as the gateway and DNS.

3.5 Live Platform SRT Connection

Enable the SRT and fill in the SRT address



Contact Information

Warranty:

All video products are designed and tested to the highest quality standard and backed by full 1 years parts and labor warranty. Warranties are effective upon delivery date to customer and are non-transferable. RGBlink warranties are only valid to the original purchase/owner. Warranty related repairs include parts and labor, but do not include faults resulting from user negligence, special modification, lighting strikes, abuse(drop/crush), and/or other unusual damages.
The customer shall pay shipping charges when unit is returned for repair.

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