H.264 Network Encoder

USER MANUAL

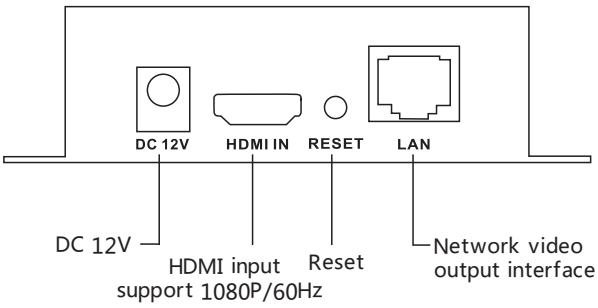
Product Introduction

This is a high-definition video encoder that supports live broadcast over the network after the HDMI signal is encoded by hardware, and it is used in various live broadcast occasions for high-definition display.

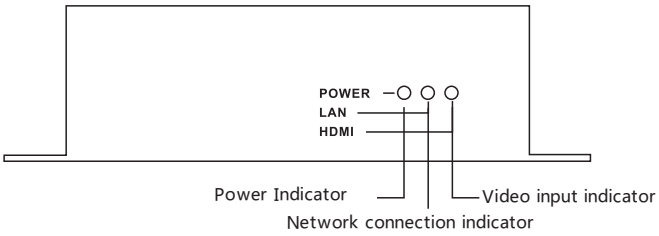
Product Features

- The main and sub-group streams are more reliable
- HDMI high-definition 1920x1080p
- Support H.264 high efficient video coding, clearer image, lower occupied bandwidth
- Pure hardware coding, more stable and reliable
- Support subtitles, logos, etc.
- Live broadcast platform, main and sub-group push stream
- Compatible with various live broadcast platforms
- Easy to operate, no settings required
- Support multiple resolution custom settings
- Metal shell, fast heat dissipation

Product interface introduction

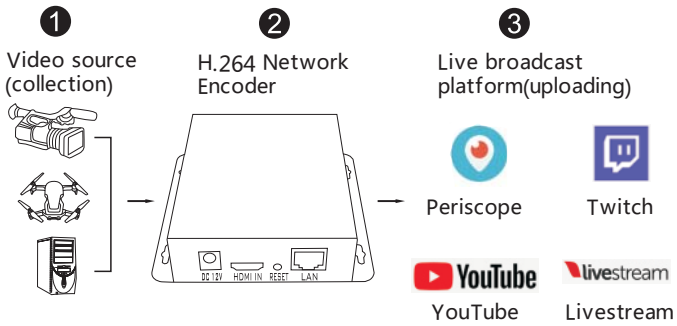


(Back view)



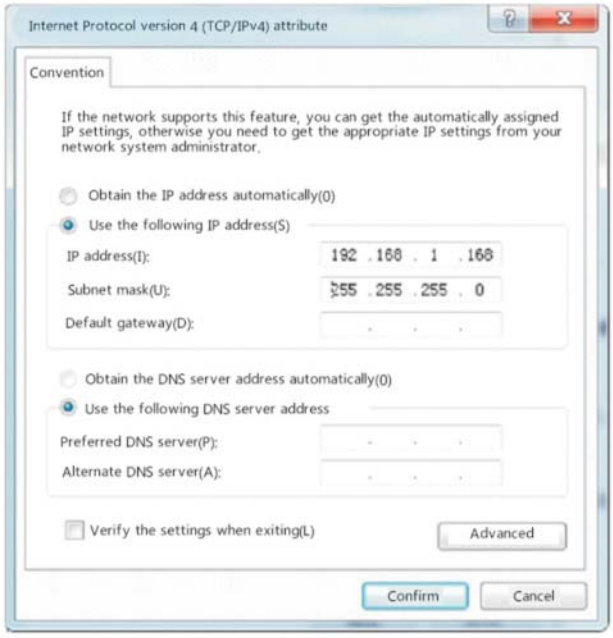
(Front view)

Product connection diagram



Software operation instructions

1, Connect to the computer through the network cable, you need to set the IP address of the local computer before logging in. As shown below: Enter the network sharing center, click on the local connection needs to do the following settings, set IP address can be as long as it does not conflict with the encoder's factory address.



1.1.1. Login settings background

Open browser, enter address: http://192.168.1.168/. Open website, enter the account password in the pop-up dialog box(The default account password is admin). As shown in Figure 1, click to go to the homepage of the website.

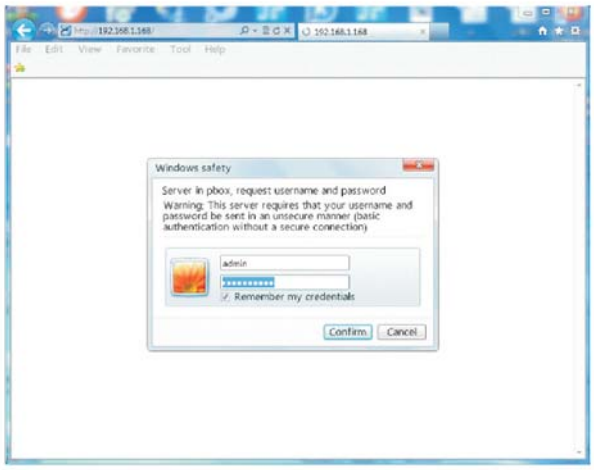


Figure 1

1.1.2. Check the video signal

As shown in the red circle in Figure 2, when the number of captured video frames is 0 or the page refreshed does not increase, the video signal is not accessed. Check whether the Hdmi source of the device is connected, if it is not 0 and increase after refresh, it indicates that there is a video signal.

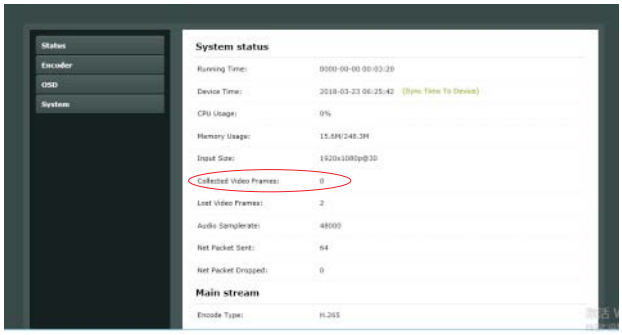


Figure 2

1.1.3.View stream address

As shown in Figure 3, the red circle is the video stream address.

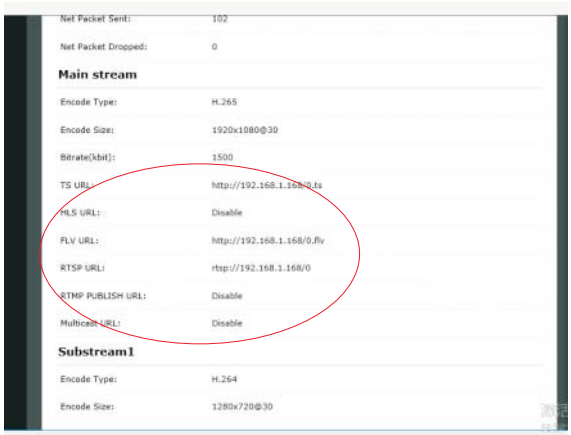


Figure 3

1.1.4.Play the video stream

Open the VLC player with a video signal, VLC player download address: http//www.videolan.org/), select the media → Open the network stream as shown in Figure 4, enter the stream address in the home page of the website, click play as shown in Figure 5, the video stream encoded by the device can be successfully played.

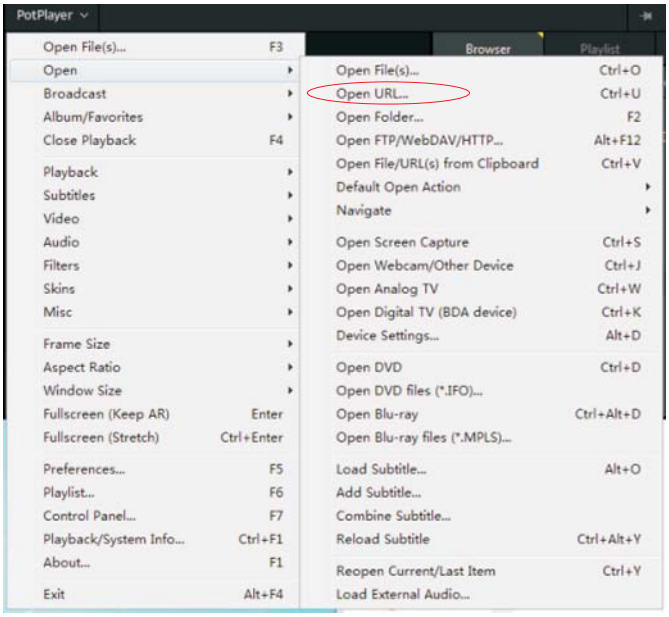


Figure 4

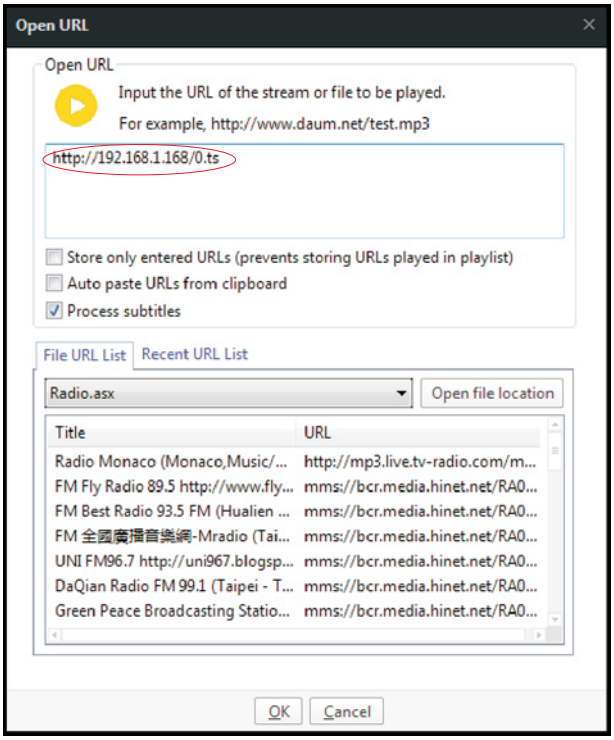


Figure 5

2.Encoding settings

Click encoding settings→ Main code stream→ Set the parameters you need→ Click settings → As shown in Figure 6, Figure 7 and Figure 8.

Figure 6

Figure 7

Figure 8

Restart the system after successful setup, click system settings → Restart the device → Click to restart. (Note: Please wait 30 seconds then refresh the webpage).

2.1.Logo, character and table mark settings

Click the OSD settings→ Set the parameters you need→ Click settings, as shown in Figure 9.

Figure 9

Click to restart the device→ Click to restart. (Note: Please wait 30 seconds then refresh the webpage). As show in Figure 10.

2.2.System settings

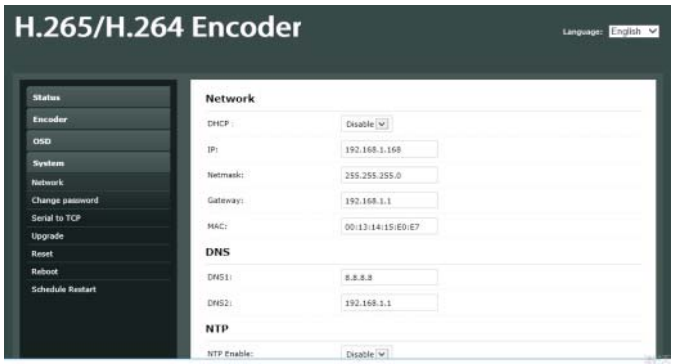


Figure 10

Figure 11

Click to restart the device→ Click to restart.(Note: Please wait 30 seconds then refresh the webpage). As show in Figure 11.

External network connection method

1, Go to the router settings page, port mapping the internal IP address of the encoder, (do not use ports such as 80 or 8080 for the mapped port, network operators will block these ports, usually it doesn't work). As shown in Figure 12.

Figure 12

2, Then you can use the external network IP address browser to log in the web address of the encoder, can be used for remote application or live broadcast.

Packaging included:

Network Encoderx1
Power adapter x1
HDMI cable x1
User manual x1

Specifications

Specifications		parameter
Audio and video input	Video input	1 port HDMI
	Audio input	1 port HDMI built-in audio
Video coding	Coding type	H.264
	Coded frame rate	5-60 adjustable
	Key frame interval	5-300 adjustable
	Bit rate (kbit)	32-32000 adjustable
	Coding resolution	1920x1080/1680x1056/1280x720/1024x576/850x480/720x576/720x540/720x480/720x404/704x576/640x480/640x360/608x448/544x480/480x480/480x384/480x360/480x332/480x272/480x270/400x320/400x224/352x480/352/228/320x256x320x240/320x180/240x180/176x144/ Same as input resolution
	Code stream control	CBR/VBR optional
	Stream	Support RTMP/ RTSP/ HTTP FLV/ HLS/ UDP multicast/ RTB multicast
Audio coding	Coded sampling rate	44100/48000 optional
	Coding method	AAC+/ AAC++/MP3/MP2/AC3 optional
	Coding bit rate	AAC:48000-320000adjustable / AAC+:2400-48000 adjustable / AAC++:12000-320000 adjustable / MP3:64000-320000adjustable / MP2:64000-320000 adjustable / AC3:40000-640000adjustable
	Digital volume	-50 ~ 50 adjustable
	RTSP stream uses G711A encoding	Disable/ Enable optional
OSD	Transparency	0-128 adjustable
	Type	Text/ picture/ scrolling text
	Area	4 areas available
	X coordinate	0-1920
	Y coordinate	0-1080
	LOGO	4 logos can be uploaded for selection
	Font size	8-72
	Background color	Transparent/ white/ black
	Font color	RGB color is optional
General use	Network	Support Gigabit networks
	Configuration management	Configuration management via the WEB
	ONVIF	Support ONVIF search browsing videos
	Power	DC 12V, 1A
	Power consumption	4W
	Operating temperature	-20℃ - 60℃
	Operating humidity	<90% no condensation
	Dimension	10.4x10.4x2.7cm(includes wall hanging)