

H.265 4K Tanscode and Transmit Prduct instruction(XT9)

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1. Login Web

Connect the network port of the device to the LAN, connect the power supply, and connect the HDM port to the monitor. Enter the encoder default IP 192.168.1.169 in your computer's browser. Enter in the login box that pops up username:admin and password: admin。

Windows 安全中心

QQBrowser.exe

服务器 192.168.1.168 要求你输入用户名和密码。

该服务器还报告: "pbox"。

警告: 将在不安全的连接上使用基本身份验证发送你的用户名和密码。

admin

admin

记住我的凭据

确定 取消

Log in successfully to enter the website .

H.265/H.264 Transcoder

Status

Transcode list

Transmit list

Device manage

System setting

Status

System status

Software version: 1.0.9.6
 Hardware versuib: SS528
 Decoding mode: IPB
 Device time: 1970-01-01 08:23:15 ([Sync time to device](#))
 Runtime: 0000-00-00 00:22:45
 CPU usage: 1
 Memory usage: 172MB/1018MB
 Net status: Internet
 Eth0 speed: Input5.92Mbps/Output77Kbps
 Eth1 speed: Input0Kbps/Output0Kbps

HDMI output state

Channels: 1
 Resolution: 1080P60
 Brightness: 50
 Contrast ratio: 50
 Saturation: 50
 Audio: Enable
 Volume: 100
 Audio action channel: 1

Transcode input status

Channel	Trans URL	Decode status	Pull streams status	Type	Image width	Image height	Real-time frame rate(fps)	Real-time bit rate(kbit/s)
1	rts://192.168.20.132/0	normal	normal	H.264	0	0	5	0

Transcoding output address

Channel	Protocol	Stream URL	Copy	Status
1	TS URL	http://192.168.20.134/0.ts	Copy	
	RTSP URL	rts://192.168.20.134/0	Copy	
	RTMP(S)/RTSP PUSH URL	rtmp://push-live.gviii.com/luliu/20200422?auth_key=1947525527-0-0-c48209b66f682933fe79dd8f31ddfa	Copy	abnormal

Transmit input status

Channel	Transmit URL	Pull streams status	Type	Image width	Image height	Real-time frame rate(fps)	Real-time bit rate(kbit/s)
1	http://192.168.20.132/0.ts	normal	H.264	0	0	5	0
2	rts://admin.xc:88888@192.168.20.5:554/Streaming/Channels/101?transpor...	normal	H.265	1920	1080	25	3841

Transmitting output address

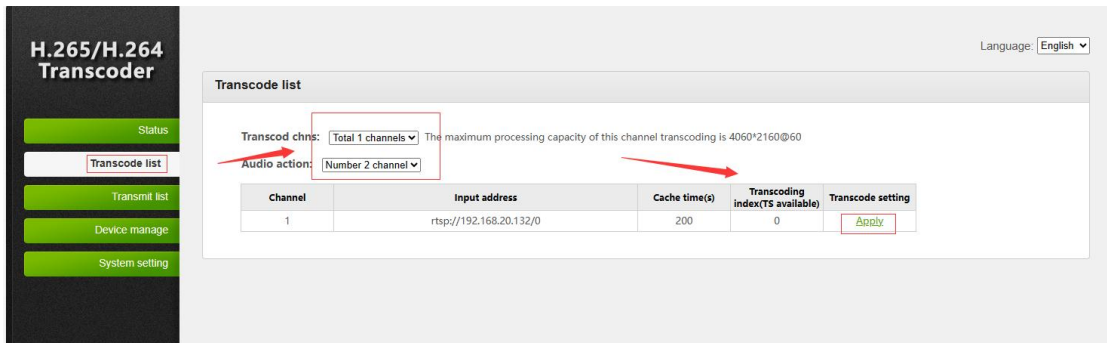
Channel	Protocol	Stream URL	Copy	Status
1	TS URL	http://192.168.20.134/9.ts	Copy	
2	TS URL	http://192.168.20.134/10.ts	Copy	

If you can't access the website. Please configure the IP of the decoder so that the decoder and your computer's IP are on the same network segment. Use the tool to configure the decoder IP. ScanDev Tool download dress: <https://share.weiyun.com/5WfnPQz>

2.Transcode

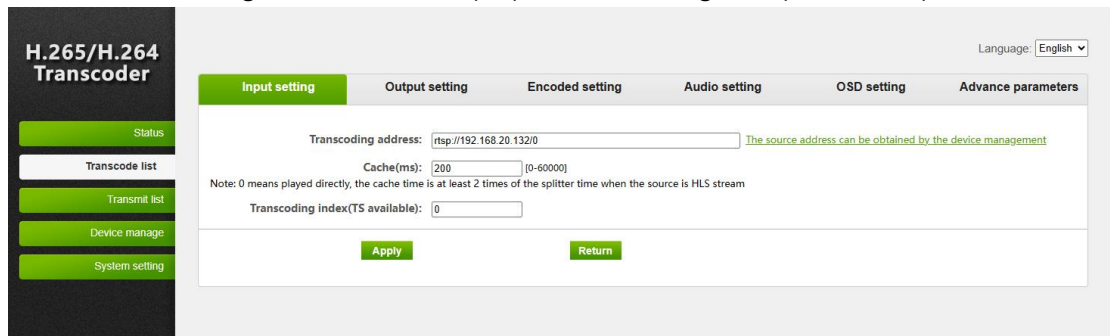
2.1Transcode list

Select the number of channels to transcode and select which channel the audio will play. Then select the channel in the channel list to set the transcoding.

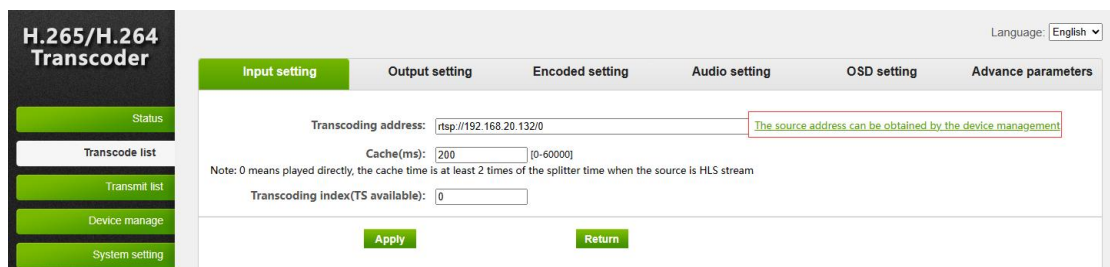


2.2 Transcode input settings

Enter the Transcoding address and cache(ms) and Transcoding index(TS available).



The source address can be obtained by the device management.



H.265/H.264 Transcoder
Language: English

Status

Transcode list

Transmit list

Device manage

System setting

Encoder device

Encoder list: 192.168.20.132

Encoder ip: 192.168.20.132

Username: admin

Password: admin

Get URL

Input port: Input 1

Main stream:

TS URL:(copy)http://192.168.20.132/0.ts
 FLV URL:(copy)http://192.168.20.132/0.flv
 RTSP URL:(copy)rtsp://192.168.20.132/0

Substream1:

FLV URL:(copy)http://192.168.20.132/1.flv

ONVIF device

ONVIF list: http://192.168.20.5/onvif/device_service

ONVIF URL: http://192.168.20.5/onvif/device_service

Username: admin

Password: xc888888

Get RTSP URL

RTSP URL: (copy)rtsp://admin:xc888888@192.168.20.5:554/Streaming/Channels/101?transportmode=mcst&profile=Profile_1

Copy the RTSP URL to the address setting bar to play the video.

2.3 Transcode output settings

You can set the various addresses of the output and whether it is enabled.

H.265/H.264 Transcoder
Language: English

Status

Transcode list

Transmit list

Device manage

System setting

Input setting
Output setting
Encoded setting
Audio setting
OSD setting
Advance parameters

TS URL:	/0.ts	Enable
HLS TS URL:	/0.m3u8	Disable
HLS MP4 URL:	/0_mp4.m3u8	Disable
MP4 URL:	/0.mp4	Disable
FLV URL:	/0.flv	Disable
RTSP URL:	/0	Enable
RTMP URL:	/0	Disable
RTMP(S)/RTSP PUSH URL:	rtmp://push-live.gviii.com/luilin/20200422?auth_	Enable
Multicast IP:	238.0.0.1	Disable
Multicast Port:	1234	
Multicast SAP Name:	sap	
SRT URL Port:	9000	Disable
SRT PUSH URL:	srt://192.168.1.169:9000	Disable
SRT Encryption Password:	0123456789	Disable
HLS PUSH URL:	https://a.upload.youtube.com/http_upload_hls?c	Disable

Apply
Return

2.4 Transcode encode settings

Encoding parameters can be set

The screenshot shows the 'H.265/H.264 Transcoder' interface. On the left is a sidebar with navigation options: Status, Transcode list, Transmit list, Device manage, and System setting. The main area has a top navigation bar with tabs: Input setting, Output setting, Encoded setting (selected), Audio setting, OSD setting, and Advance parameters. The 'Encoded setting' tab contains the following configuration options:

- Encoding Type: H.264
- FPS: Same as input
- GOP: 25 (range: [5-300])
- Bitrate(kbit): 4000 (range: [32-32000])
- Encoded Size: 1920x1080
- H.264 Level: baseline profile
- Bitrate Control: vbr
- Image Split: Disable

At the bottom of the main area are 'Apply' and 'Return' buttons. A language dropdown menu in the top right corner is set to 'English'.

2.5 Transcode audio settings

Audio encoding parameters can be set

The screenshot shows the 'H.265/H.264 Transcoder' interface with the 'Audio setting' tab selected. The sidebar and top navigation bar are the same as in the previous screenshot. The 'Audio setting' tab contains the following configuration options:

- Audio Input: Raw audio
- Encoder: AAC
- Bitrate: 128000 (range: [48000-320000])
- G711 Over PTE: Disable
- G711: Disable
- G711 Over RTSP: Disable

At the bottom of the main area are 'Apply' and 'Return' buttons. A language dropdown menu in the top right corner is set to 'English'.

2.6 Transcode OSD settings

Four OSD zones can be enabled, the first area can be displayed with text, image, scrolling text, and time, and the second, third and fourth areas can display text or picture. You can set the corresponding parameters such as coordinates, transparency, color, etc.

H.265/H.264 Transcoder Language: English

Zone1

Zone:

Type:

Alpha: [0-255]

X: [0-1920]

Y: [0-1080]

Text:

Font Size: [8-72]

Background Color:

Color: [select color](#)

Zone2

Zone:

Zone3

Zone:

Zone4

Zone:

Zone2

Zone:

Type:

Alpha: [0-255]

X: [0-1920]

Y: [0-1080]

Text:

Font Size: [8-72]

Background Color:

Color: [select color](#)

Zone3

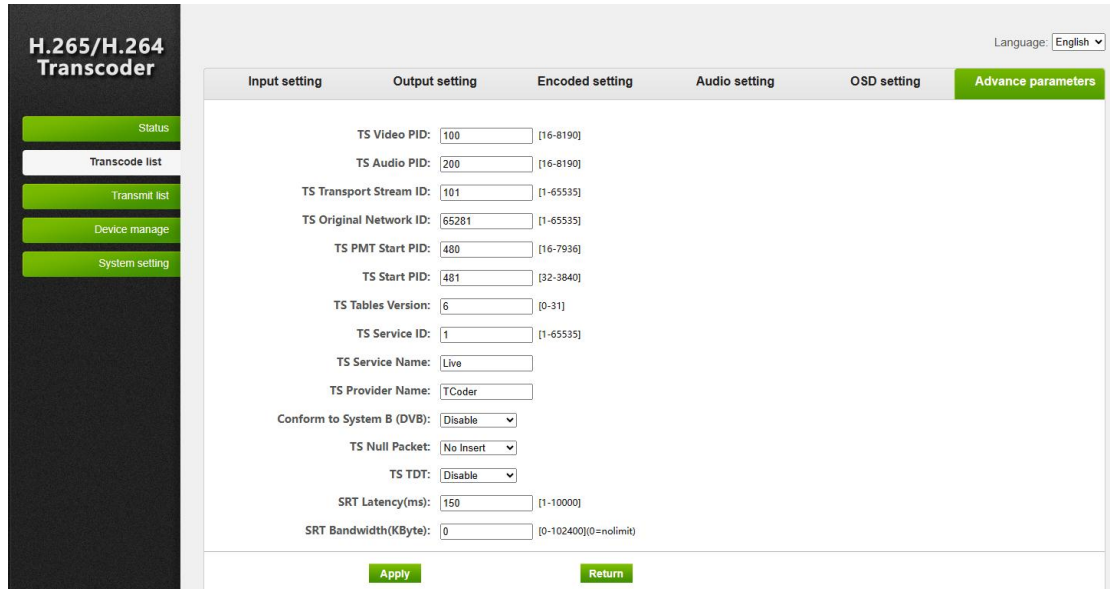
Zone:

Zone4

Zone:

2.7 Transcode Advance parameters settings

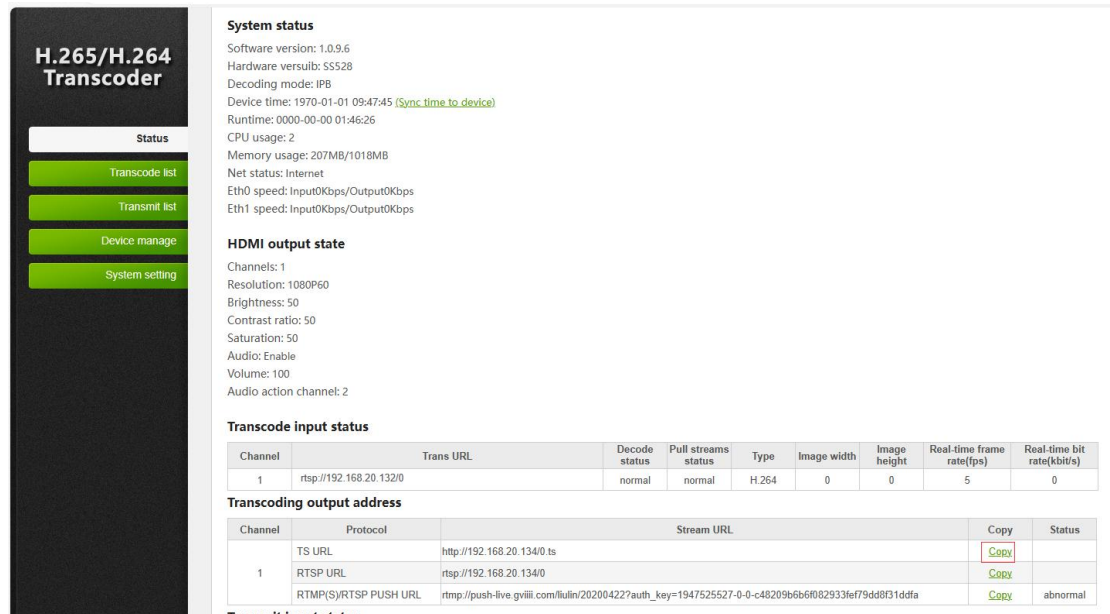
You can set some advanced parameters for the transcoding stream.

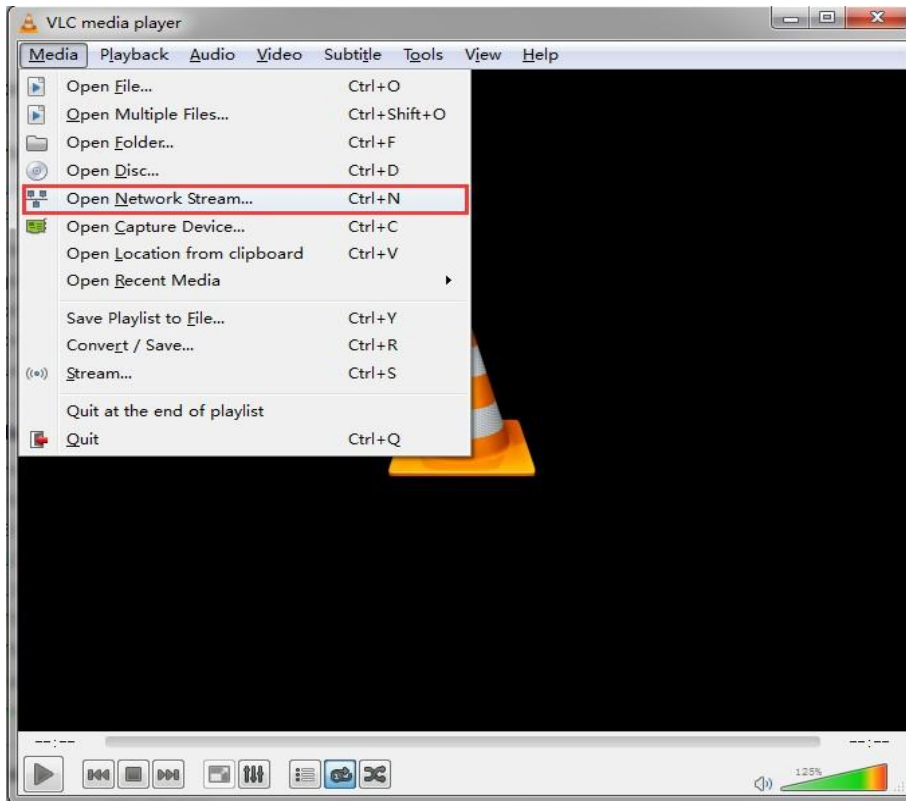


2.8 Play the transcoded video

Connect the HDMI port to the display, you can see the transcoded screen, or you can install a VLC player on the computer to open the transcoded stream address to watch.

VLC player download address: <http://www.videolan.org/>

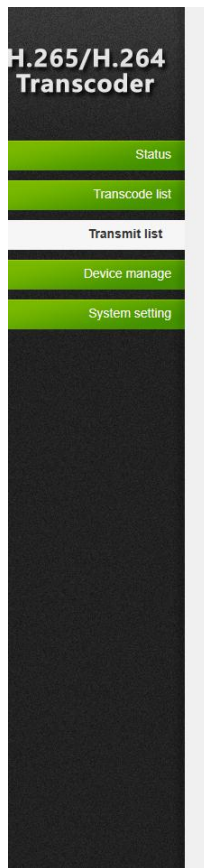




3 Transmit

3.1 Transmit list

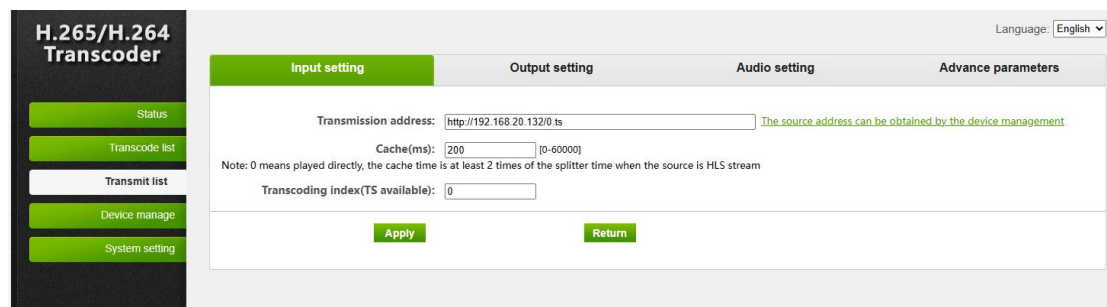
Forwarding is only to convert the source address to an address in other formats, not encoding, up to 36 ways of forwarding, click the settings of a specific channel to set.



Channel	Input address	Cache time(s)	Transcoding index(TS available)	Transmit setting
1	http://192.168.20.132/0.ts	200	0	Apply
2	rtsp://adminxc888888@192.168.20.5:554/Streaming/Channels/101?transportmode=mcast&profile=Profile_1	200	0	Apply
3		200	0	Apply
4		200	0	Apply
5		200	0	Apply
6		200	0	Apply
7		200	0	Apply
8		200	0	Apply
9		200	0	Apply
10		200	0	Apply
11		200	0	Apply
12		200	0	Apply
13		200	0	Apply
14		200	0	Apply
15		200	0	Apply
16		200	0	Apply
17		200	0	Apply
18		200	0	Apply
19		200	0	Apply
20		200	0	Apply
21		200	0	Apply
22		200	0	Apply
23		200	0	Apply
24		200	0	Apply
25		200	0	Apply
26		200	0	Apply
27		200	0	Apply
28		200	0	Apply
29		200	0	Apply
30		200	0	Apply
31		200	0	Apply
32		200	0	Apply

3.2 Transmit input settings

Enter the Transmission address and cache(ms) and Transcoding index(TS available).



The source address can be obtained by the device management.

H.265/H.264 Transcoder

- Status
- Transcode list
- Transmit list
- Device manage
- System setting

Language: English ▼

Encoder device

Encoder list: 192.168.20.132 ▼

Encoder ip: 192.168.20.132

Username: admin

Password: admin

Get URL

Input port: Input 1 ▼

Main stream:

TS URL:(copy)http://192.168.20.132/0.ts

FLV URL:(copy)http://192.168.20.132/0.flv

RTSP URL:(copy)rtsp://192.168.20.132/0

Substream1:

FLV URL:(copy)http://192.168.20.132/1.flv

ONVIF device

ONVIF list: http://192.168.20.5/onvifdevice_service ▼

ONVIF URL: http://192.168.20.5/onvifdevice_service

Username: admin

Password: xc888888

Get RTSP URL

RTSP URL: (copy)rtsp://admin:xc888888@192.168.20.5:554/Streaming/Channels/101?transportmode=mcst&profile=Profile_1

Copy the RTSP URL to the address setting bar to play the video.

3.3 Transmit output settings

You can set the various addresses of the output and whether it is enabled.

H.265/H.264 Transcoder

- Status
- Transcode list
- Transmit list
- Device manage
- System setting

Language: English ▼

Input setting	Output setting	Audio setting	Advance parameters
TS URL:	/9.ts	Enable ▼	
HLS TS URL:	/9.m3u8	Disable ▼	
HLS MP4 URL:	/9_mp4.m3u8	Disable ▼	
MP4 URL:	/9.mp4	Disable ▼	
FLV URL:	/9.flv	Disable ▼	
RTSP URL:	/9	Disable ▼	
RTMP URL:	/9	Disable ▼	
RTMP(S)/RTSP PUSH URL:	rtmp://192.168.1.169/live/9	Disable ▼	
Multicast IP:	238.0.0.1	Disable ▼	
Multicast Port:	1243		
Multicast SAP Name:	sap		
SRT URL Port:	9009	Disable ▼	
SRT PUSH URL:	srt://192.168.1.169.9000	Disable ▼	
SRT Encryption Password:	0123456789	Disable ▼	
HLS PUSH URL:	https://a.upload.youtube.com/http_upload_hls?c	Disable ▼	

Apply
Return

3.4 Transmit audio settings

Audio encoding parameters can be set

The screenshot shows the 'Audio setting' tab of the H.265/H.264 Transcoder interface. The left sidebar contains navigation options: Status, Transcode list, Transmit list, Device manage, and System setting. The main content area has tabs for Input setting, Output setting, Audio setting (selected), and Advance parameters. The Audio setting section includes the following fields:

- Audio Input: Raw audio
- Encoder: AAC
- Bitrate: 128000 (range: 48000-320000)
- G711 Over PTE: Disable
- G711: Disable
- G711 Over RTSP: Disable

At the bottom of the form are 'Apply' and 'Return' buttons. The language is set to English.

3.5 Transmit Advance parameters settings

You can set some advanced parameters for the transcoding stream.

The screenshot shows the 'Advance parameters' tab of the H.265/H.264 Transcoder interface. The left sidebar and top navigation are the same as in the previous screenshot. The 'Advance parameters' section includes the following fields:

- TS Video PID: 100 (range: 16-8190)
- TS Audio PID: 200 (range: 16-8190)
- TS Transport Stream ID: 101 (range: 1-65535)
- TS Original Network ID: 65281 (range: 1-65535)
- TS PMT Start PID: 480 (range: 16-7936)
- TS Start PID: 481 (range: 32-3840)
- TS Tables Version: 6 (range: 0-31)
- TS Service ID: 1 (range: 1-65535)
- TS Service Name: Live
- TS Provider Name: TCoder
- Conform to System B (DVB): Disable
- TS Null Packet: No Insert
- TS TDT: Disable
- SRT Latency(ms): 150 (range: 1-10000)
- SRT Bandwidth(KByte): 0 (range: 0-102400)(0=unlimit)

At the bottom of the form are 'Apply' and 'Return' buttons. The language is set to English.

3.6 Play the transmit video

Connect the HDMI port to the display, you can see the transmit screen, or you can install a VLC player on the computer to open the transcoded stream address to watch.

VLC player download address: <http://www.videolan.org/>

Status

Transcode list

Transmit list

Device manage

System setting

Eth0 speed: Input4.47Mbps/Output98Kbps
Eth1 speed: Input0Kbps/Output0Kbps

HDMI output state

Channels: 1
Resolution: 1080P60
Brightness: 50
Contrast ratio: 50
Saturation: 50
Audio: Enable
Volume: 100
Audio action channel: 2

Transcode input status

Channel	Trans URL	Decode status	Pull streams status	Type	Image width	Image height	Real-time frame rate(fps)	Real-time bit rate(kbit/s)
1	rtsp://192.168.20.132/0	abnormal	abnormal	H.264	0	0	25	0

Transcoding output address

Channel	Protocol	Stream URL	Copy	Status
1	TS URL	http://192.168.20.134/0.ts	Copy	
	RTSP URL	rtsp://192.168.20.134/0	Copy	
	RTMP(S)/RTSP PUSH URL	rtmp://push-live.gviii.com/liulin/20200422?auth_key=1947525527-0-0-c48209b6b6f082933fef79dd8f31dffa	Copy	abnormal

Transmit input status

Channel	Transmit URL	Pull streams status	Type	Image width	Image height	Real-time frame rate(fps)	Real-time bit rate(kbit/s)
1	http://192.168.20.132/0.ts	abnormal	H.264	0	0	25	0
2	rtsp://admin.xc888888@192.168.20.5:554/Streaming/Channels/101?transpor...	normal	H.265	1920	1080	25	3843

Transmitting output address

Channel	Protocol	Stream URL	Copy	Status
1	TS URL	http://192.168.20.134/9.ts	Copy	
2	TS URL	http://192.168.20.134/10.ts	Copy	

