



D300 Series  
4K UHD Video Decoder/Gateway

# USER MANUAL

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## CONTENTS

<b>1</b>	<b>PRODUCT INTRODUCTION.....</b>	<b>1</b>
<b>2</b>	<b>OPERATION GUIDANCE.....</b>	<b>3</b>
<b>3</b>	<b>PACKING LIST AND INTERFACE DESCRIPTION.....</b>	<b>4</b>
3.1	PACKING LIST.....	4
3.2	INTERFACE DESCRIPTION.....	4
3.3	LED INDICATORS.....	5
<b>4</b>	<b>INSTALLATION AND CONNECTION.....</b>	<b>6</b>
4.1	CONNECT POWER.....	6
4.2	CONNECT DISPLAYER.....	6
4.2.1	Connect SDI displayer.....	6
4.2.2	Connect HDMI display.....	7
4.3	CONNECT ANALOG AUDIO.....	7
4.4	CONNECT NETWORK.....	7
<b>5</b>	<b>LOGIN AND NETWORK CONFIGURATION.....</b>	<b>8</b>
5.1	LOGIN TO WEB PAGE.....	8
5.2	NETWORK CONFIGURATION.....	10
<b>6</b>	<b>FUNCTION CONFIGURATION.....</b>	<b>12</b>
6.1	MEDIA ( PULL STREAM AND DECODE ) .....	12
6.1.1	Video source.....	12
6.1.1.1	Add RTMP source.....	12
6.1.1.2	Add SRT source.....	13
6.1.1.3	Video sources list.....	14
6.1.2	Video output setting.....	16
6.2	SIP.....	19
6.2.1	Add SIP.....	19
6.2.2	State.....	19
6.2.3	Account Settings.....	19
6.2.4	Call Set.....	20
6.3	STREAM (D300 PLUS/PRO ONLY).....	22
6.3.1	Add Publishing Points.....	22
6.3.2	State.....	22
6.3.3	Source.....	22
6.3.4	Server (Stream service).....	23
6.3.4.1	RTSP service.....	23
6.3.4.2	RTMP Service.....	23
6.3.4.3	SRT service.....	25
6.4	SYSTEM SETUP.....	27
6.4.1	User Management.....	27
6.4.2	System Time.....	27
6.4.3	Reset.....	28
6.4.4	Reboot.....	28
6.4.5	Restore.....	28
6.4.6	Firmware.....	28

## 1 Product introduction

Kiloview D300 4K UHD video decoder is a professional hardware decoding device that can decode multiple video streams without relying on a computer. It can decode multi-channels network video streams (from such as IP-Camera, RTSP/RTMP/RTP/SRT unicast or multicast media stream etc.) to SDI signal and HDMI signal video output. It supports 4K UHD resolution, and supports multi-channels video stream split screen to the display wall and dynamic switching.

Kiloview D300 Plus/Pro video gateway is an embedded multi-media gateway device with high performance that integrates core functions such as streaming media protocol conversion, streaming media distribution service, multi-channels video decoding and video picture segmentation. It can be applied to different systems, different manufacturers, different types, and different encoded video formats to realize format conversion, protocol intercommunication, decoding output, and split display of the video content. At the same time, it works as a stream media server with the capability for 100 concurrent access.

### D300 Technical Parameters:

Model	D300
Input	2 *100/1000M RJ-45 adaptive Ethernet ports
Video Output	1 *SD/HD/3G-SDI, Up to 1080P 60Hz 1 *HDMI 2.0, Up to 3840x2160@60Hz
Output format support	SDI: up to 1080P60Hz; HDMI: up to 4k. Details as below: SDI: 1080P60/59.94/50, 1080P30/29.97/25/24/23.98 1080I60/59.94/50 720P60/59.94/50 570I/50 480I/60 HDMI: 4K 3840x2160@60/30, 1080p60/50, 1080p24/25/30, 1080i60/50, 720p60/50 Compatible with VESA standard format
Audio output	SDI/HDMI embedded or analog line-out output
Input Media protocol	RTMP/SRT/HLS/TS over UDP/RTP/RTSP/ONVIF, etc.
SDI TRANSMISSION DISTANCE	Belden 1694A cable standard: SD SDI $\geq$ 350m; HD SDI $\geq$ 180m; 3D SDI $\geq$ 100m
Video decoding	H.264/H.265
Audio decoding	AAC/G.711
Decoding delay	<200ms(adjustable)
Decoding ability	4K 30Hz: up to 4 channels simultaneously 1080P 50Hz/60Hz: up to 8 channels simultaneously 1080P 30Hz,1080I 50/60Hz or 720P and below: up to 16 channels simultaneously
Split screen display	Support 1/2/4/6/8/9/16 self-defined screen splitting
Management	Web
Power supply/consumption	12V,1A / 6w
Dimension/weight	140*105*28mm/380g
Working temperature	-20°C~60°C

## D300Plus/D300Pro parameters:

Model	D300Plus/D300Pro
Input	2 * 100/1000M RJ-45 adaptive Ethernet ports
Decoding output	1* SD/HD/3G-SDI, Up to 1080P 60Hz; 1* HDMI 2.0, Up to 3840x2160@60Hz
Analog audio output/input	1*3.5mm line out; 1*3.5mm line in
USB	1*USB 3.0 Type-A
Input protocols	RTSP/SRT/ONVIF/RTMP/TS-UDP/RTP/HLS/SIP
Out protocols	RTSP/SRT/ONVIF/RTMP/TS-UDP/RTP/HLS/SIP/GB28181
Protocols convert ability	Simultaneous 4CH (D300 Plus) or 9CH (D300 Pro) 1080P video conversion
Streaming distribution ability	D300Plus: unicast support up to 100ch RTSP/TS stream D300Pro: unicast support up to 100ch RTSP/TS/RTMP/HLS stream(Max is 600Mbps)
Live broadcast ability	D300Plus: 4CH*4CH 1080P D300Pro: 9CH*4CH 1080P It supports 4 channels or 9 channels of network streaming distribution/live broadcasting function,and each stream can be pushed to up to 4 different live broadcast targets at the same time.
Decoding quantity	4K 30Hz H.264/H.265: Max is 4CH 1080P 50Hz/60Hz H.264/H.265:Max is 8 CH 1080P 30Hz or 1080I 50/60Hz or 720P and below H.264/H.265:Max is 16CH
Decoding standard	H.264/H.265
SDI output format	1080P60/59.94/50,1080P30/29.97/25/24/23.98,1080i60/59.94/50, 720P60/59.94/50, 570i/50, 480i/60
HDMI output format	4K 3840x2160@60/30,1080p60/50,1080p24/25/30,1080i60/50,720p60/50, compatible with VESA standard format
Video rate range	128Kbps ~ 40Mbps
Audio decoding	AAC-LC / G.711 (aLaw / uLaw)
Audio rate range	AAC: 8Kbps ~ 320Kbps G.711: 64Kbps
Decoding latency	≤200ms
Split screen display	Support 1/2/4/6/8/9/16; It can support the re-encoding release of 1-way multi-screen split video, and the image supports 1080P60 H.264 encoding at most.
Management	Web
Power/consumption	12V/1A ≤6W
Dimension/weight	138*105*25mm / 380g
Working temperature	-20 °C ~ 60°C

## 2 Operation guidance

- Installation and Connection of Device

Connect the power supply correctly and start the device. Connect the decoder HDMI/SDI interface to the displayer as needed.

- Network Connection and Configuration

First, connect the decoder's Ethernet port 1 to the switch or PC by using the network cable. Then, set up your PC's IP address in the subnet of 192.168.1.0/24, and login the web page through <http://192.168.1.168> (the default IP address of the Ethernet port 1 is 192.168.1.168), and the default login user name/password is admin/admin. After login, set parameters such as IP/DNS of the Ethernet port in the "Network" menu.

- Adding Video Sources

Login the web page, click Add on the "Media" menu, fill in the corresponding parameters (RTSP/RTMP/HLS and other video sources) according to the video source information, and then confirm, you can add a video source.

- Decoding output

The decoder has two output windows, select any output window and click the HDMI/SDI option to be green, which means that the window stream is output to the corresponding HDMI/SDI interface. Then drag the added video source to the output window and the decoder will start decoding it. If the decoding is normal, the video will be output.

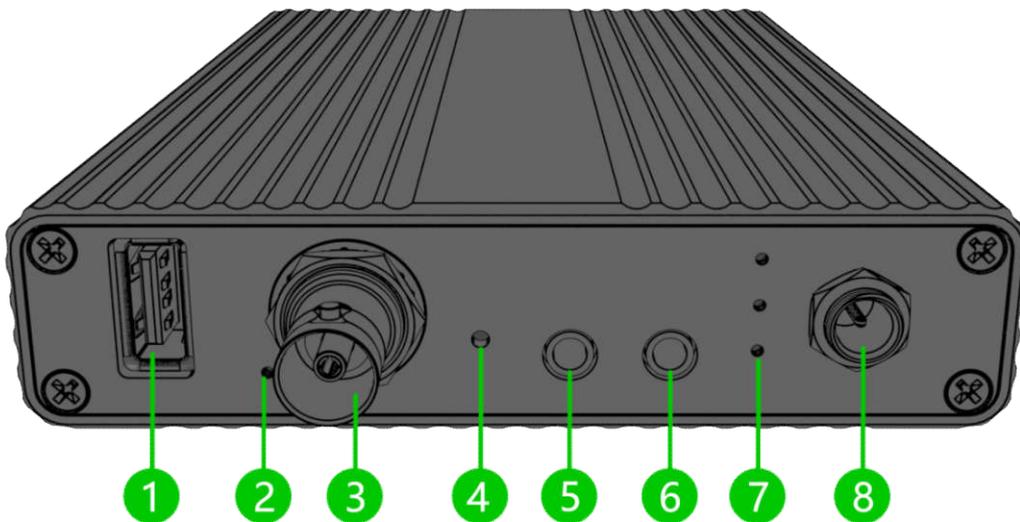
### 3 Packing list and interface description

#### 3.1 Packing list

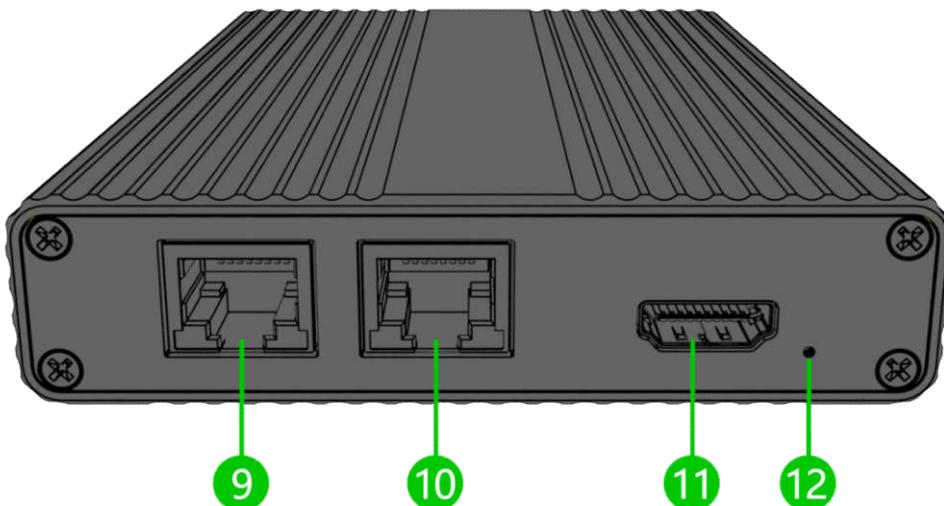
Please check the parts and accessories you received are exactly.

Name	Unit	Quantity
D300/D300Plus/D300Pro	SET	1
DC12V/1A power adapter	PCS	1
User manual	PCS	1
Certification and warranty card	PCS	1

#### 3.2 Interface description



- 1.USB port    2. SDI indicator    3. SDI output    4. Reset  
 5.Audio output    6. Audio input    7.Working indicator    8. Power



- 9.100/1000M Ethernet port 1    10. 100/1000M Ethernet port 2  
 11. HDMI output    12. HDMI indicator

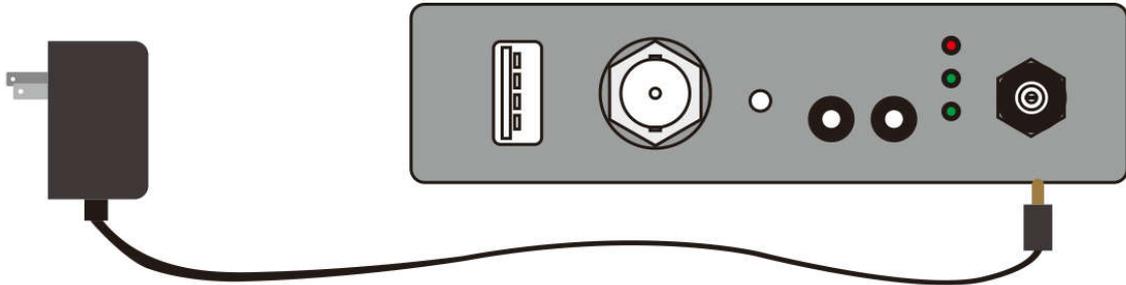
### 3.3 Led indicators

Mark	Color	Status	Description
	RED	ON	Power is on
		OFF	Power is off
	GREEN	Light	Device/signal is normal
		Flash	The signal is not locked or the device is reset to factory settings (the  light will also flash)
		Off	Device/signal is abnormal
	GREEN	Light	Network is connected
		Flash	Device factory reset indication (the  light will also flash)
		Off	Network is dis-connected

## 4 Installation and connection

### 4.1 Connect power

Using the power adaptor (DC12V/1A) connected to the device, after the power is turned on, the device starts working.



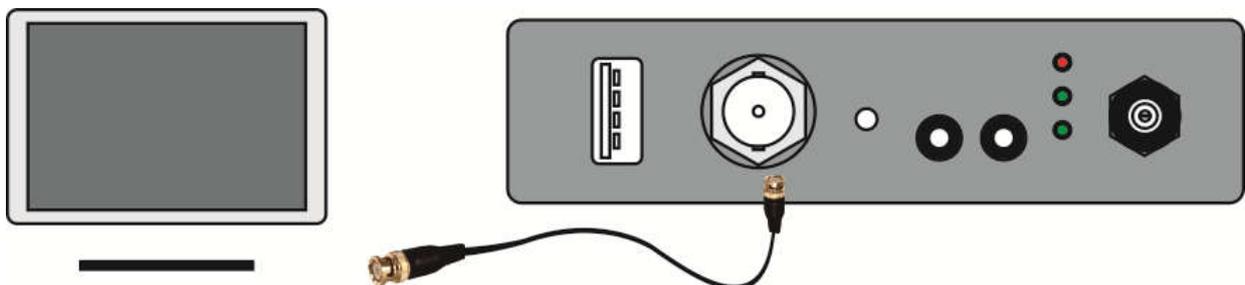
**⚠ Note: Please use the standard power adaptor provided. Using other unqualified power supplies may damage the device.**

### 4.2 Connect displayer

Connect the SDI or HDMI cable to corresponding interface of the device (it can be connected at the same time, the decoder supports two signals output simultaneously), and the other end is connected to display, such as monitor or electronic screen, etc..

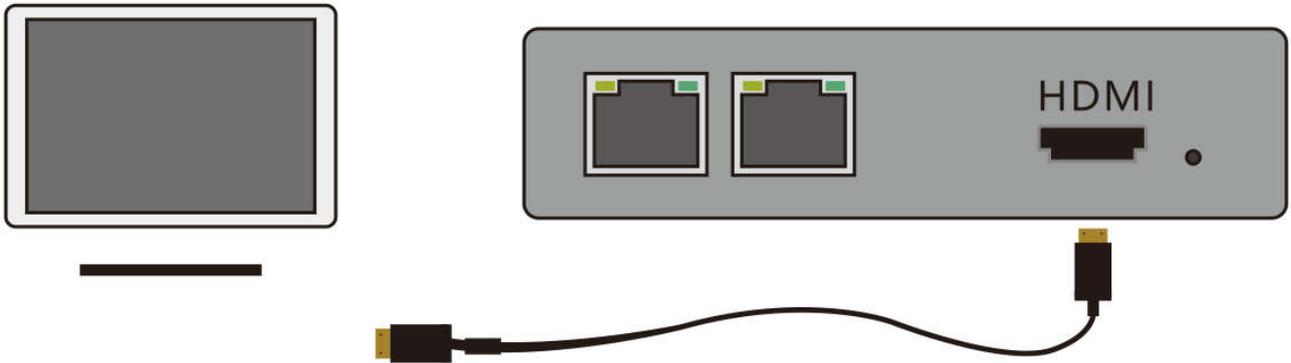
#### 4.2.1 Connect SDI displayer

Using SDI cable to connect SDI output interface with SDI display.



### 4.2.2 Connect HDMI display

Using HDMI cable to connect HDMI output interface with HDMI display.

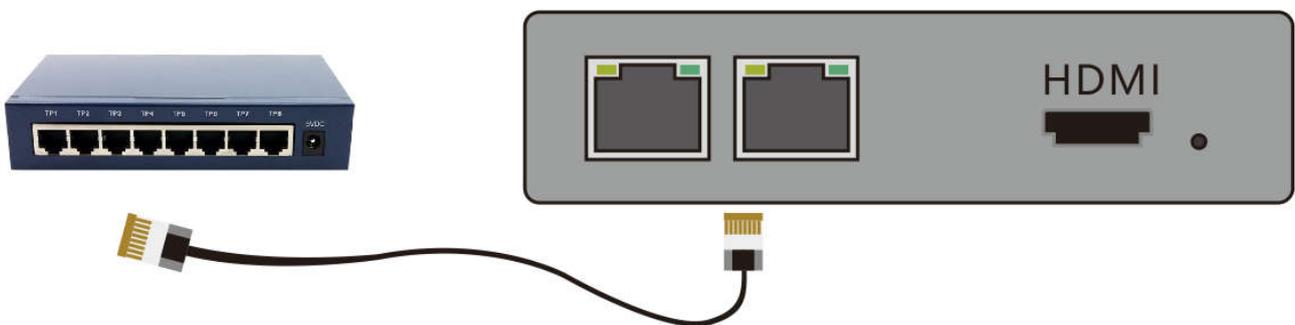


### 4.3 Connect analog audio

If analog audio input and output are required, the analog audio interface needs to be connected; if not, no connection is required.

### 4.4 Connect network

Connect one end of the network cable to the decoder Ethernet port 1, the other end is connected to the network switch or the computer's Ethernet port.



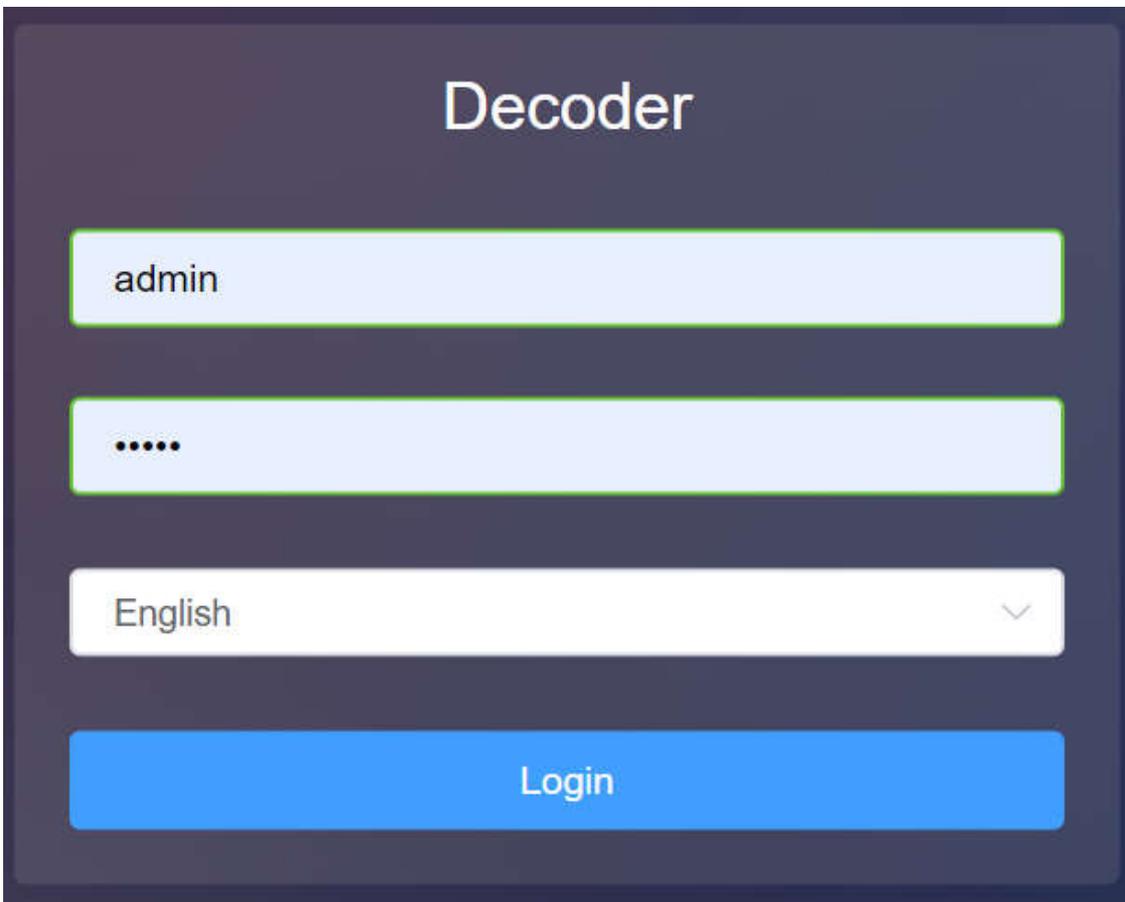
**⚠ Note:** *There are two Ethernet ports that you can connect to different networks. Normally, it can work by connecting to Ethernet port 1.*

## 5 Login and network configuration

### 5.1 Login to web page

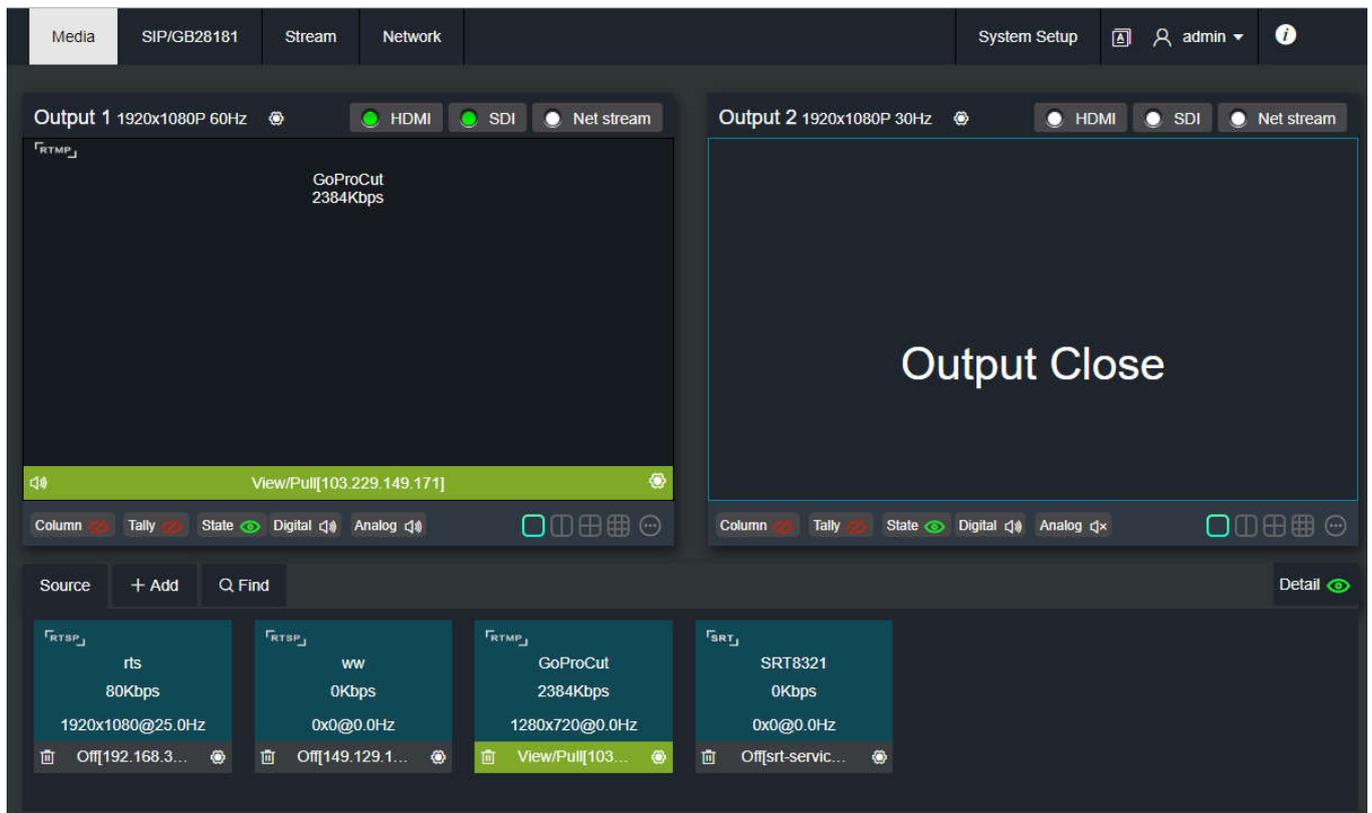
First, you need to set the decoder and the computer to be on the same network segment so that the computer can login to the decoder's web page. The default IP of decoder network port 1 is 192.168.1.168. If the computer IP is not 192.168.1.\* network segment, it is necessary to set the computer network port IP to 192.168.1.\* network segment.

After setting up the IP address of the computer, open the web browser, directly input the decoder's IP address (the default is 192.168.1.168) or the URL `http://192.168.1.168` and click enter to open the decoder's login interface. When you open the page, a dialog box for authentication will pop up, and you need to fill in the user name and password, select the language of the menu. The default user name and password of the decoder is “admin/admin”, and then click "login".



 **Note:** Due to the browser compatibility issues, it may cause the web page display abnormal, it is recommended to use Chrome or Firefox browser.

After login, decoding parameters and functional parameters can be set on the web page of decoder. The decoder page is shown in the following figure:

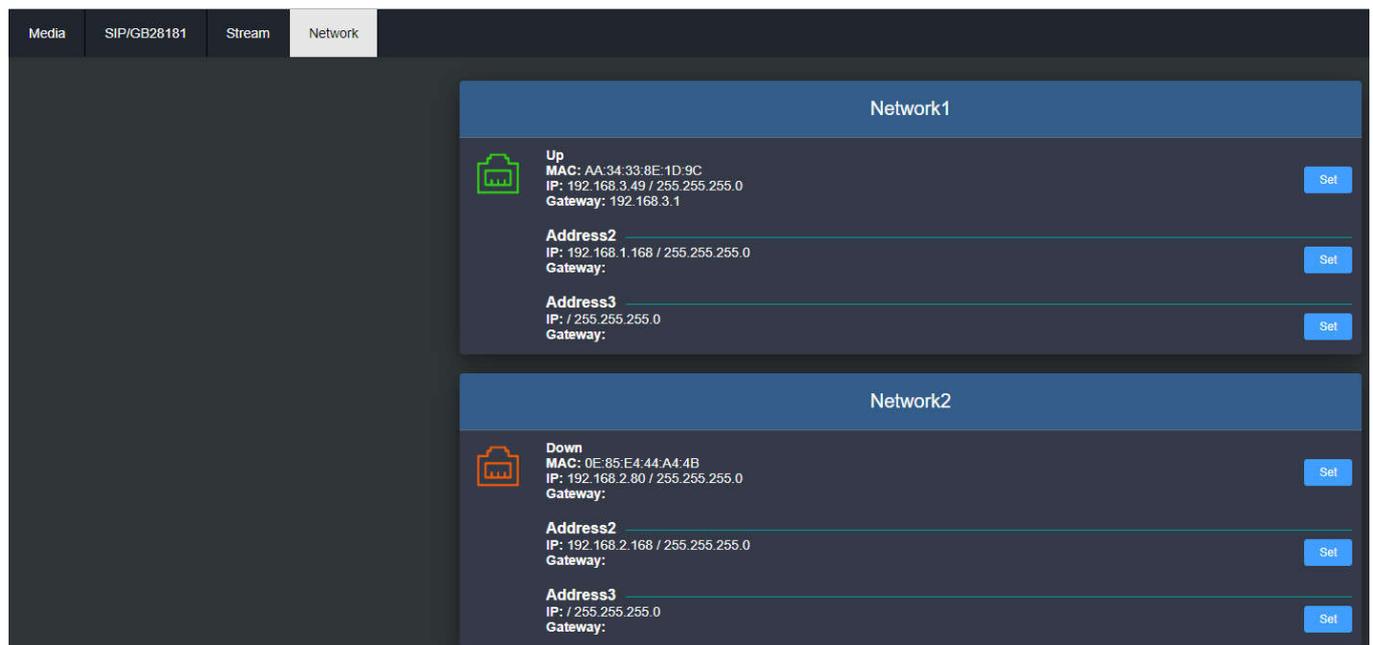


**⚠️ Note:** The decoder has two Ethernet ports, and the default IP address belongs to different network segments. When accessing, it is necessary to pay attention whether the interface inserted by the network cable is corresponding or not: the default IP address of port 1 is 192.168.1.168; the default IP address of port 2 is 192.168.2.168.

## 5.2 Network configuration

The decoder has two Ethernet ports. Generally, it only needs to configure the address 1 of network 1 to work properly. This IP can be used for network streaming and device management. The two ports can be used as service separation between LAN and Internet or data flow separation between service and management.

Click "Network" to enter the configuration page. The network interface icon is shown as green to indicate the normal working state of network, and the network interface icon is shown as orange to indicate the disconnected state of network.



Each network port can be configured with 3 IP addresses: "Address 1" is configured to be the working IP of the device; "Address 2" is used as the default management address; "Address 3" can be used for other purposes. "IP1" and "IP3" can also be used as device management when properly configured.

Click the "Set" button of network 1 address 1 to configure the IP address of the interface. The way to obtain the address can be selected as "DHCP Dynamic" and "ManualSet". The IP address obtained by DHCP may change, while the IP address specified manually can be fixed for the convenience of device management. IP address configuration is according to the actual situation of the local network configuration.

Network1-Address1-Configuration
✕

MAC

Dynamic

IP

Gateway

Mask

DNS

OK
Cancel

To choose manual configuration, you need to set the IP, Gateway, Mask, DNS parameters in turn. If the local network is in 192.168.3. \*/24 subnet, you can configure Address 1 to 192.168.3.15, 255.255.255.0, 192.168.3.1, and 8.8.8.8.(Make sure that the IP address is not occupied)

After the IP address is configured, you can test whether the IP address can ping through other computers in the local network, or access the web page of the device through <http://192.168.3.15>.

The configuration of network port 2 can be set as instructed for network port 1.

Only when the IP address configuration is correct can the device work properly.

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**⚠ NOTE:** *Because the device writes the configuration file to the system regularly for saving, the device cannot power off immediately after the IP address is manually configured or modified, otherwise the IP address may be lost. If you want to save the configuration immediately, you can restart the device once on the web page.*

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## 6 Function Configuration

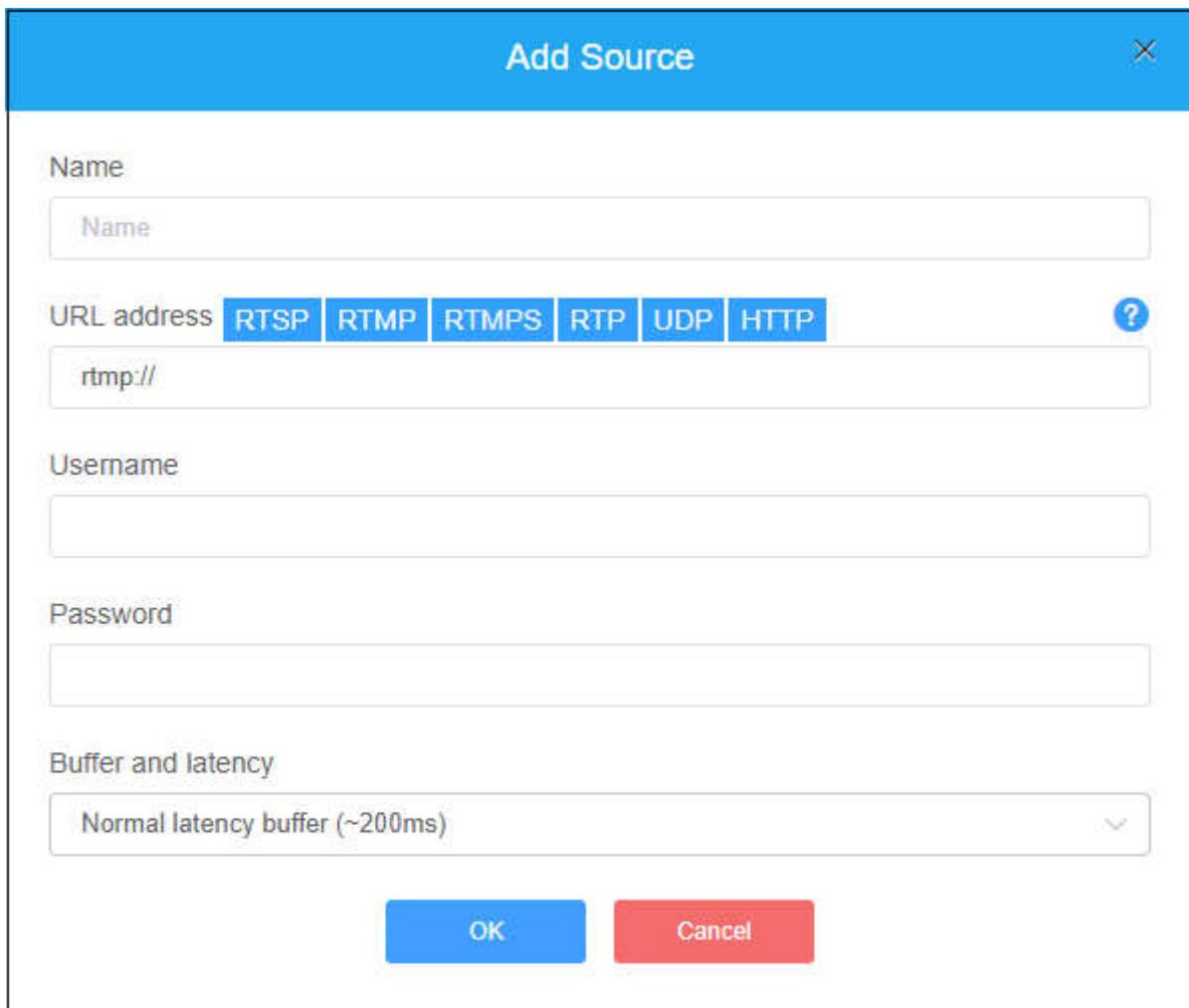
### 6.1 Media (Pull stream and Decode)

Click on the "Media" menu to set up the pull stream and decode. There are two main functions: one is to add a video sources and show the video sources list; the other is to set two output parameters of decoder, such as pull stream, split-screen and so on.

#### 6.1.1 Video source

##### 6.1.1.1 Add RTMP source

Click "Add" to configure the relevant parameters in the pop-up dialog box, and click "OK" to add a video source.



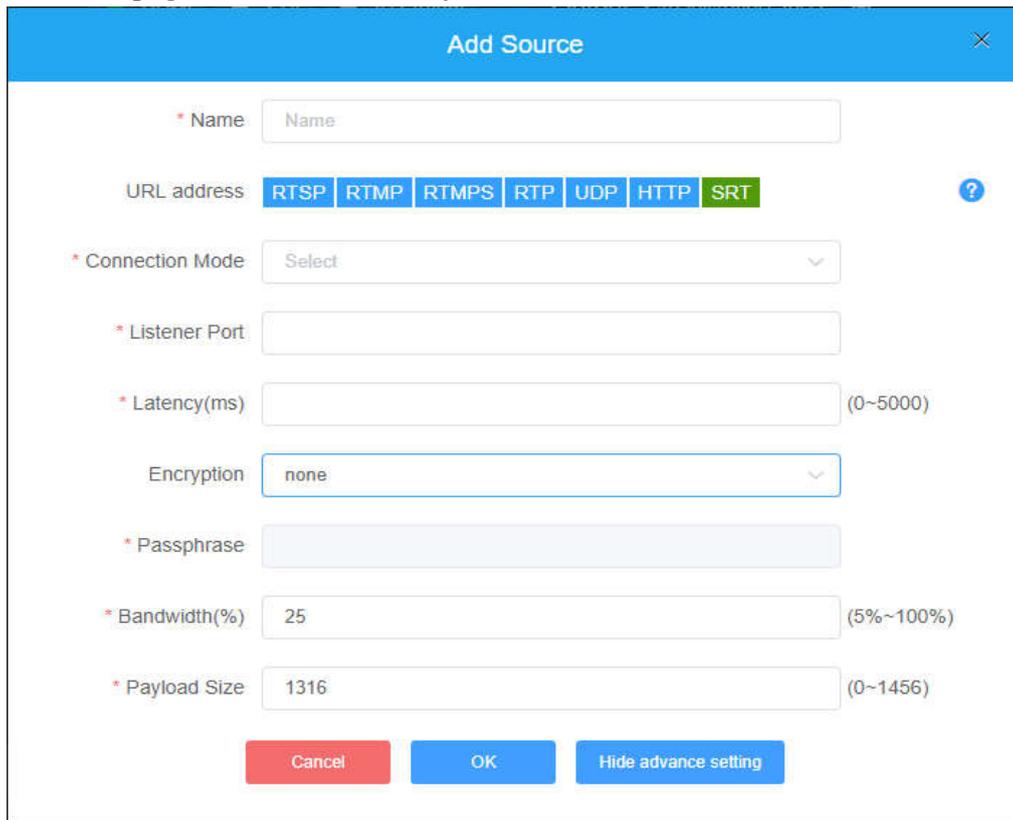
 **NOTE:** First of all, please get the correct video source URL address from other platforms. The abnormal video source address will cause the device to not work properly. (Video source can be tested by VLC player.)

The parameters of the video source are defined as follows:

Name	Video source name, can be set at will, support mixed Chinese and English
URL Address	Support RTSP, RTMP, RTMPS, RTP, UDP, HTTP and other protocols, decoder can automatically identify the URL address. After entering the URL address, if some advanced parameters are configured, the dialog box will automatically pop up to configure the corresponding parameters. You can also click on the protocol options on the page to set the parameters directly.
Transmission Mode	Choose TCP or UDP
User/Password	Configuration is based on whether or not the video source is authenticated by the user. Normally, no configuration is required.
Decoding buffer and delay	For a variety of different application scenarios and networks, to balance of delay and fluency of the decoding, the device provides a variety of buffering strategies for users to choose. Zero buffer, 50ms, 120ms, 200ms, 500ms, 1s are optional. Users can choose on actual network conditions, good network with lower latency, and bad network with higher latency.
Video Receiving Port	RTP protocol usage, Range 1-65535
Audio Receiving Port	RTP protocol usage, Range 1-65535
Binding Network	RTP protocol usage, Default auto
Video Coder	RTP protocol usage,[PT,]CODER[/Timestamp-unit],i.e.96,H264/90000
Audio Coder	RTP protocol usage, [PT,]CODER[/Timestamp-unit/channels],i.e.96,MPEG4-GENERIC/48000/2

### 6.1.1.2 Add SRT source

Add a SRT source in the page of video decoder by "Media" - "Add Source" - "SRT".



The screenshot shows the 'Add Source' dialog box with the following fields and options:

- Name:** Text input field.
- URL address:** A row of protocol buttons: RTSP, RTMP, RTMPS, RTP, UDP, HTTP, and SRT (highlighted in green).
- Connection Mode:** A dropdown menu currently set to 'Select'.
- Listener Port:** Text input field.
- Latency(ms):** Text input field with a range of (0-5000).
- Encryption:** A dropdown menu currently set to 'none'.
- Passphrase:** Text input field.
- Bandwidth(%):** Text input field with a range of (5%~100%), currently set to 25.
- Payload Size:** Text input field with a range of (0~1456), currently set to 1316.

At the bottom of the dialog, there are three buttons: 'Cancel' (red), 'OK' (blue), and 'Hide advance setting' (blue).

Setting parameters means the following:

Name: You can name it freely, supporting letters and numbers combination;

Connection Mode: Listener;

Port: Configure a listening port which should be consistent with the sending port;

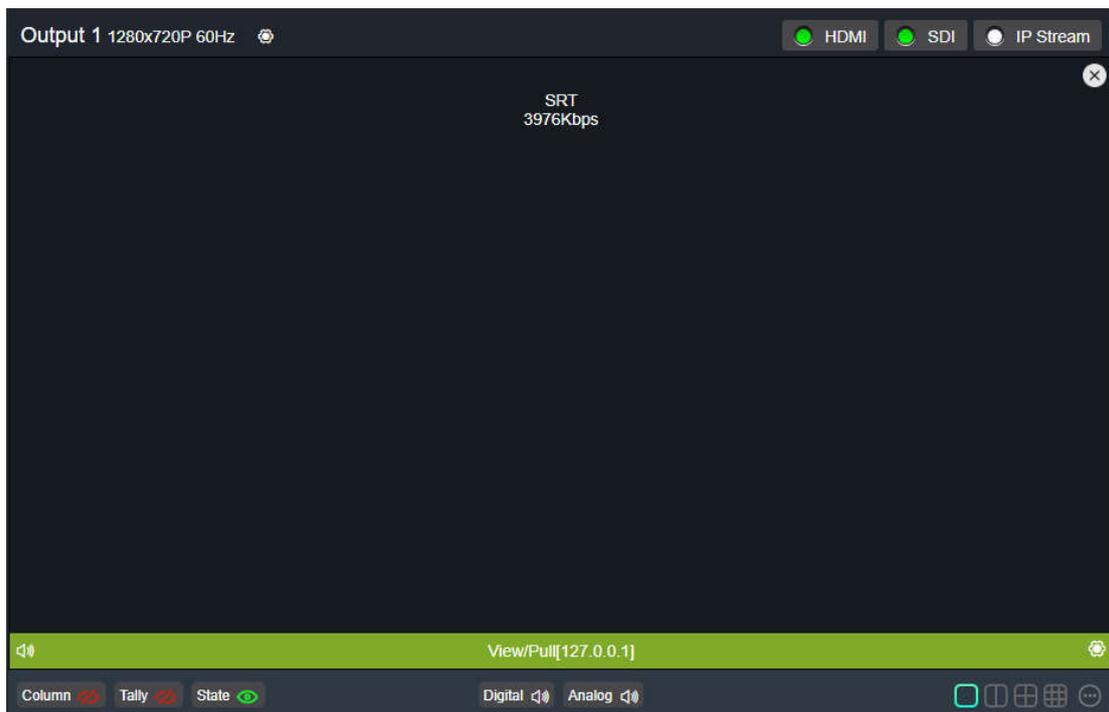
Latency: please set it according to the configuration of the video encode and the final delay will be the larger one between encoder and decoder. Default is 125ms;

Encryption Mode/AES KEY : AES-128, AES-192 and AES-256, it should be the same as the sender;

Bandwidth Overhead: It is set as the percentage value based on network link quality, the default is 25%;

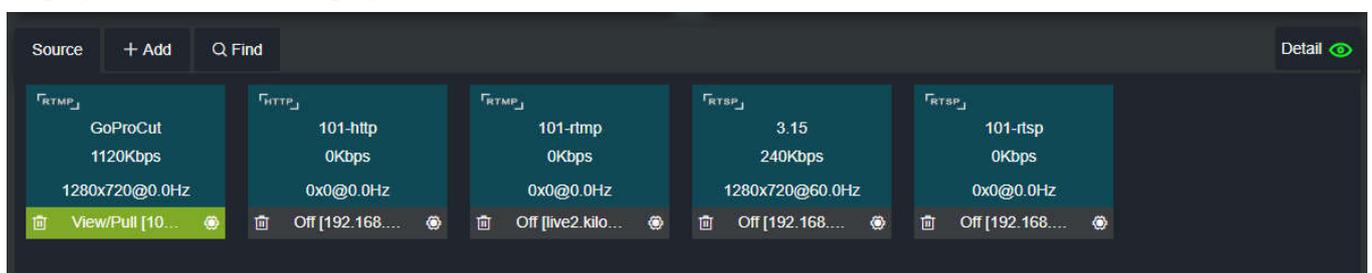
Payload size: Please keep the same settings as the sender, the default one is 1316.

Please add the SRT source to the output window, and the decoder starts to listen for SRT requests, it will establish the SRT connection while receiving the right SRT "Call", and decode then output video.

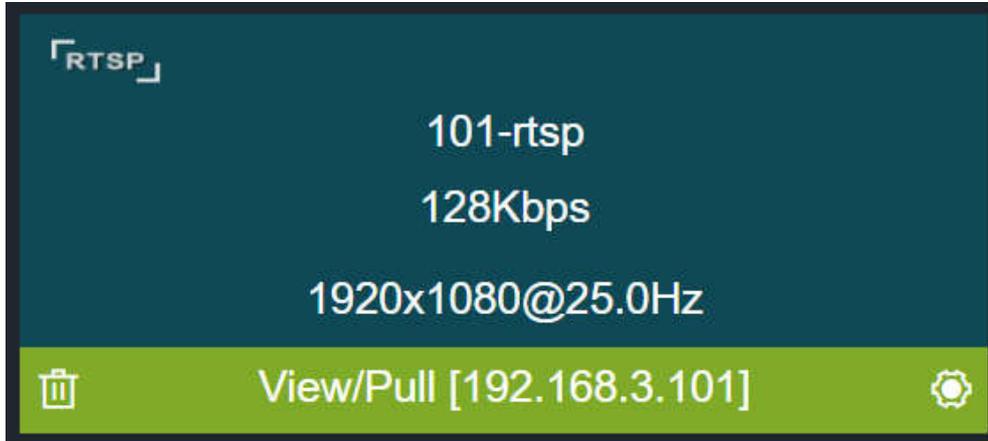


### 6.1.1.3 Video sources list

This list shows all the video sources and source parameter information you added, not all of them are decoded. To decode the output, you need to manually drag it to the upper output area to decode. When the video source is shown as green "View/Pull", the video source is decoded or pushed; the representative displayed as gray "Off" is not used as decoding source; and the Yellow "Connecting/Reconnecting" indicates that the source is decoding abnormally in the decoder and tries to connect and decode. Click on the "Detail" button in the upper right corner to set the bit rate and resolution of each video source to be displayed or not to be displayed.



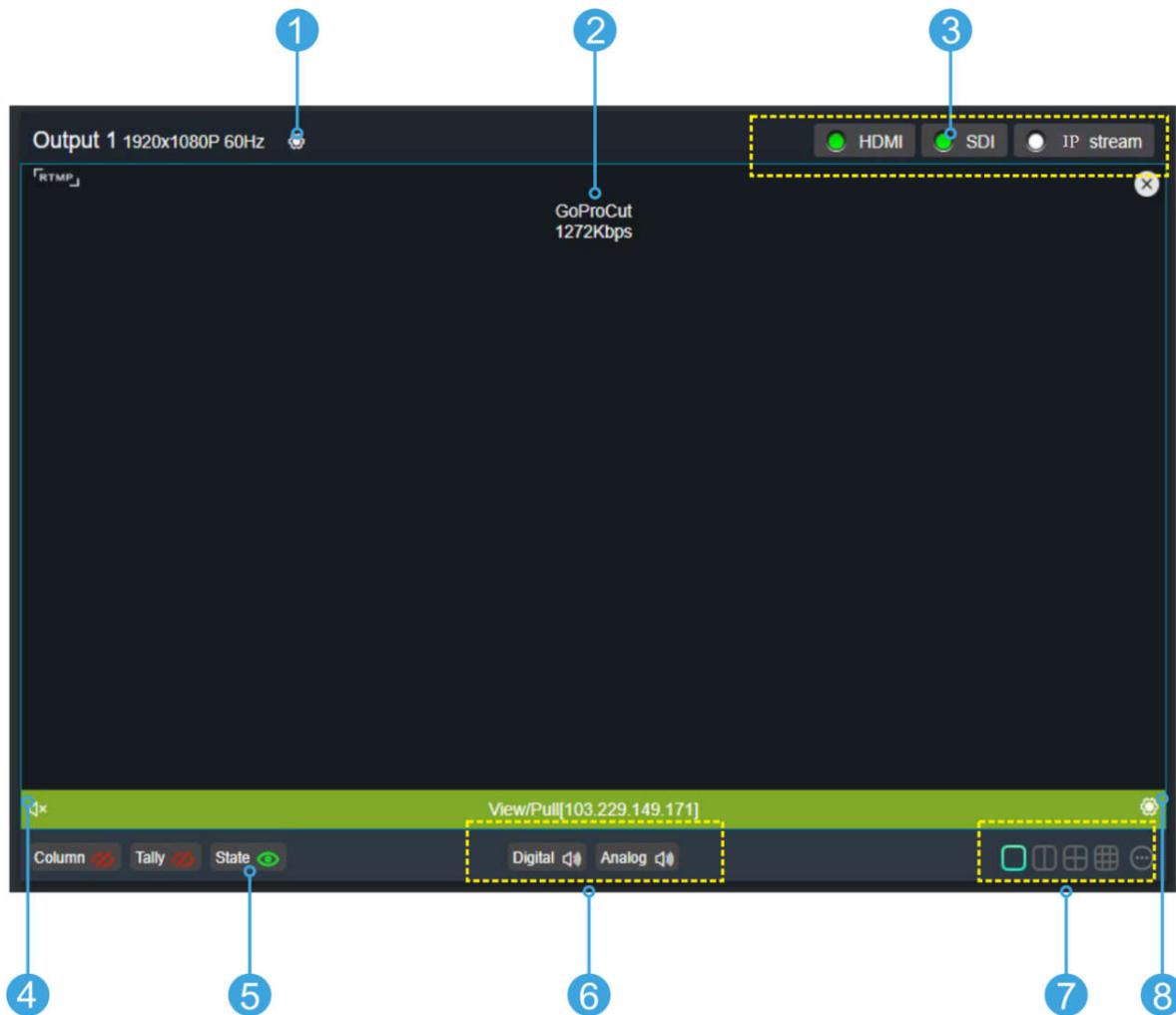
View the video sources in the list, which shows the protocol type, name, bit rate, resolution, stream status and IP address of the video sources. The button in the lower left corner is the "Delete" video source button, and the button in the lower right corner is the "Setup" button. The Setup button can be modified for the parameters of the video source.



### 6.1.2 Video output setting

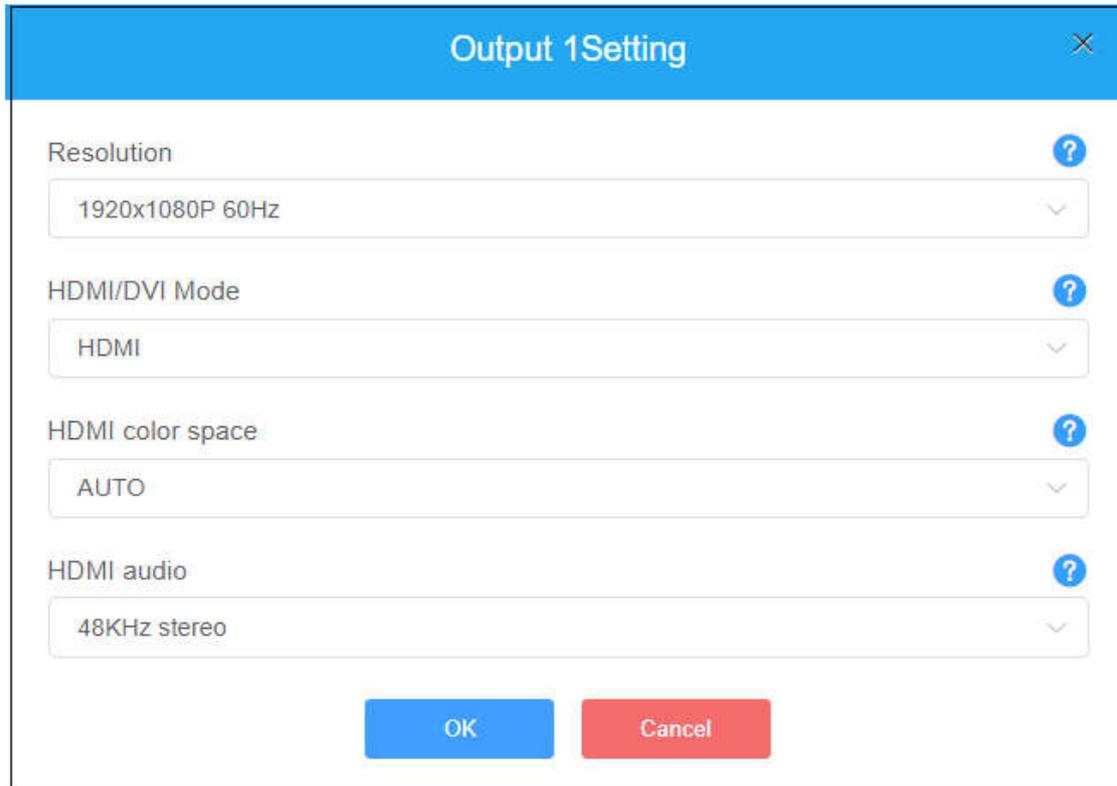
The decoder supports H.265/H.264 decoding and simultaneously output of the same and different sources or split screens on the HDMI/SDI dual interface.

The decoder web page has two output windows, corresponding to the two hardware interfaces of SDI/DVI. You only need to drag the added video source to the corresponding output window, and the decoder will start decoding. Take "Output 1" as an example for detailed description of the control ❶ ----❸ in the output window (as shown below):



**⚠ NOTE:** This window is only an operation window, which can't preview the decoded video output. If you want to view the decoded output video, you need to connect HDMI or SDI display for viewing.

① Setting Video Output Parameters



**Resolution:**

Support different resolution configuration for HDMI (up to 3840x2160@60Hz) / SDI (up to 1920x1080@60Hz) with the same screen or split screen output. And it supports up to 4 CH of 4k video or 16 CH of 1080p30 and below, or up to 8 CH of 1080P 50Hz/60Hz video decoding output simultaneously. All resolutions marked with SDI only are valid on the SDI output interface only. On HDMI interface, the output resolution will be the one that is close to the resolution.

If output on multi-interface and one interface can't support appointed resolution, for example, if 4K resolution is not supported on SDI, the system will choose a resolution that can be supported by multiple interfaces.

**HDMI/DVI Mode:**

Three modes can be selected: automatic mode, HDMI mode and DVI mode. If "Automation" is selected, the HDMI/DVI mode will be automatically selected according to the EDID description of the device connected.

If the display is a DVI interface, you can use a HDMI to DVI converter to output the decoded video directly to the DVI display. In DVI mode, the color space and audio parameters will not be set.

**HDMI color space:**

Optional "automatic", "RGB444", "YCBCR444", "YCBCR422", "YCBCR420". If "Automation" is selected, an appropriate color space will be automatically selected according to the EDID description of the HDMI device connected. If the output is not normal in this case, please choose the right HDMI color space by yourself.

**HDMI audio:**

32K/44.1K/48KHz dual channel is optional. Please choose according to actual needs, default 48KHz.

② Display current video source information

It can display the current output of the video source name, current bit rate and other parameters.

### ③ Setting up the way of video output

There are 3 output modes: HDMI/SDI/IP stream. Click to select the output mode to become green, that is to say, it is selected. If select HDMI, it means the current source will be output to HDMI interface; If SDI, the current source will be output to SDI interface; If IP stream, the current source will be streamed through the network.

Two output windows can choose the same signal source and screen splitting, or can be set to different signal sources and screen splitting.



**NOTE :** *HDMI/SDI can only be selected by one signal output window at the same time. If output 1 was originally selected as HDMI, and then click output 2 to select HDMI, HDMI selection box of output 1 will become grey and signal output will be closed. When a signal output window selects both HDMI and SDI, it represents that the current screen will be output to both HDMI and SDI interfaces.*

### ④ Audio on/off

Set enable and disable of audio.

### ⑤ Status

Display or hide video source rate, source address and other parameters.

### ⑥ Audio gain setting

It can set the "Digital" and "analog" audio gain, or turn off analog audio output.

### ⑦ Screen splitting settings

The decoder can display 4 split screen modes by default, and optional 1/2/3/4/6/9/16 split screens. By clicking the extension button on the right, you can set the split screen mode, 1-4 options. In the extended button, the selected split screen mode is bright, and the unselected is gray, and up to 4 split screen modes can be selected.

### ⑧ Video Source Settings

Click to modify the parameters of the video source directly, which is consistent with the parameters configuration of the video source added earlier.

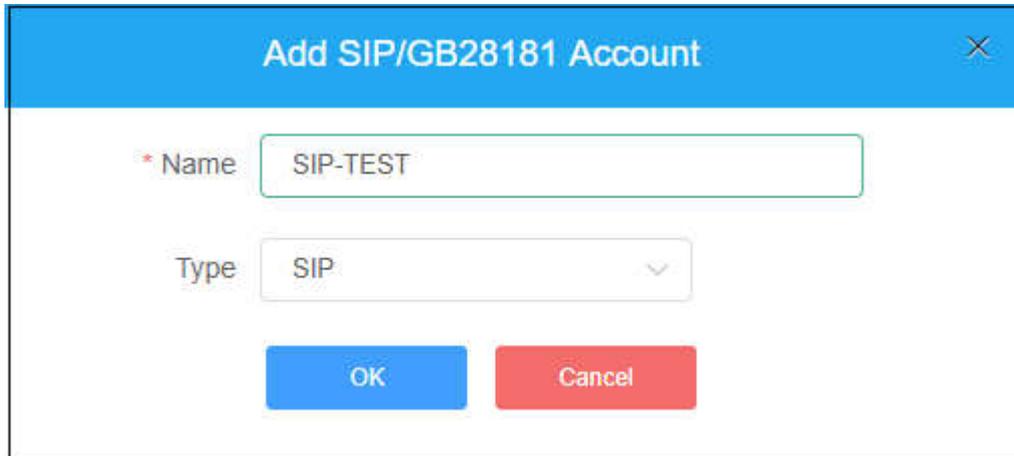


**NOTE :** *For multi-screen pictures, a video source can only be selected to output to a small sub-screen; if multiple sub-screens choose the same video source, the selected area later will be displayed as a black screen, that is, the video output can not be displayed normally. If multiple splitting screens need to decode and output the same video content (that is, the same URL video source), you just need to create a new video source name, using the same URL, when setting the splitting screen, different splitting areas can choose different names of the video source.*

## 6.2 SIP

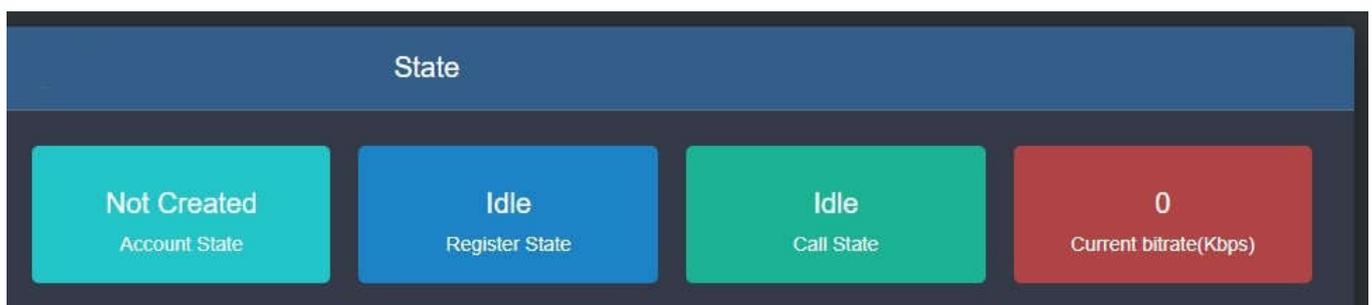
### 6.2.1 Add SIP

“Add SIP/GB28181 Account”-“Name (at random)”-“Type” (choose SIP)



### 6.2.2 State

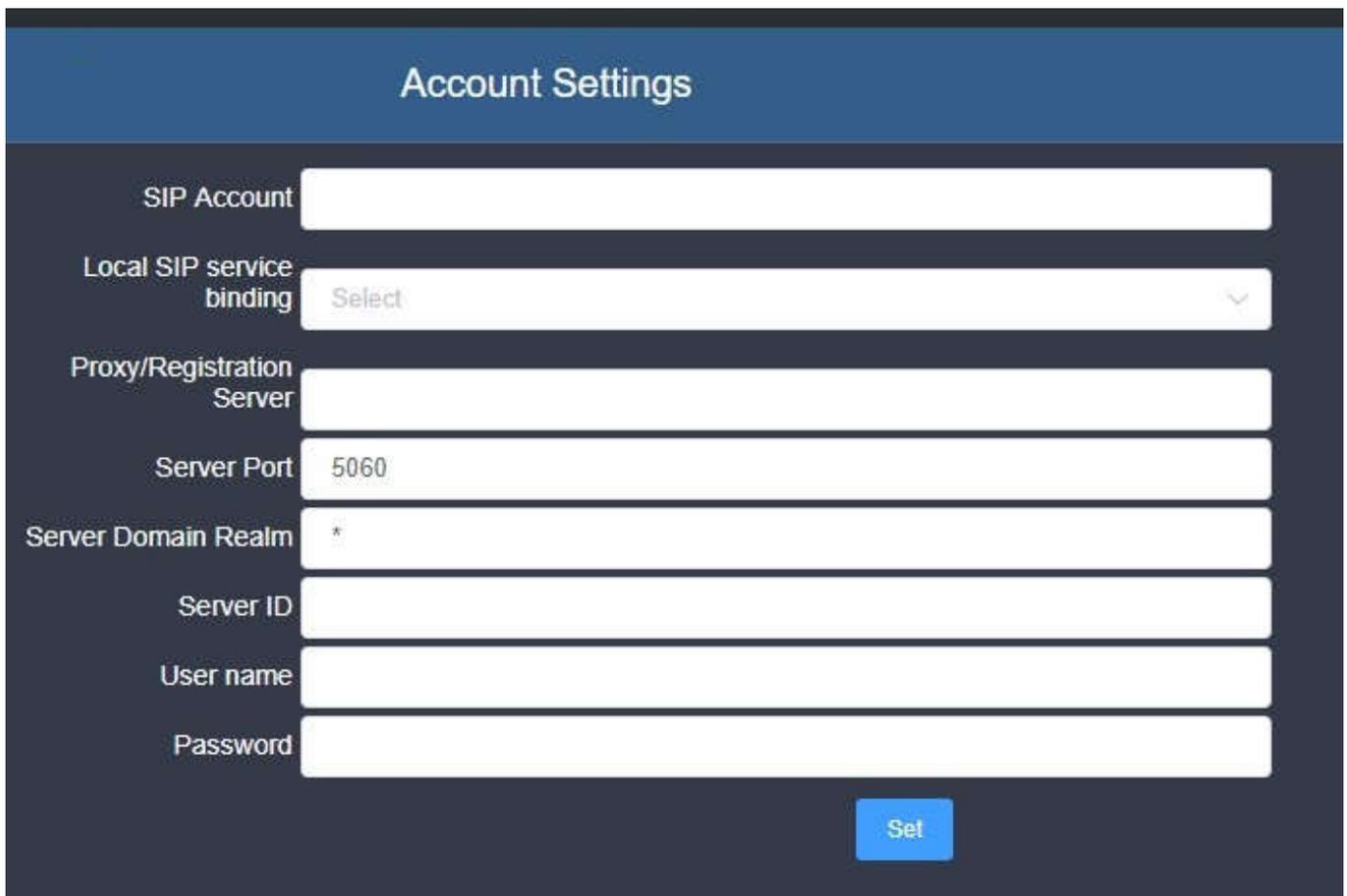
- Account state: Not Created and Created
- Register State: Idle, failure, registered
- Call State: Idle and calling
- Current bitrate: show the current bitrate changes



### 6.2.3 Account Settings

- SIP Account: format is sip: <account>@<server address>;
- Local SIP service binding: default is \*:5060; Configuring local SIP port listening, format is <IP>: port. It can appoint one or more SIP local listening IP address and port, if IP address is \*, it means listening on any interfaces, entering listening then Backspace.
- Proxy/Registration Server: SIP server address;

- Server port: SIP server port,default is 5060;
- Server Domain Realm: default is \*;
- Server ID: SIP server address ID;
- User name: SIP account;
- Password: SIP account password.



#### 6.2.4 Call Set

- Allow input: allow call or close;
- Maximum allowed number of calls: only single incoming is allowed and other incoming not allowed; only single incoming is allowed, new incoming replaces the old incoming; allows multiple incomings.
- Auto answer: automatically answer when the other party calls in;
- Buffer and delay: select the appropriate buffer and delay according to network status and video source

- Exhaled target: enter the needed call destination SIP account
- Auto call: select auto call
- Displayed in the source list: After selection, the SIP call is displayed in the source list of “Media”.
- Default local video source: Video source that selected output to SIP, can choose source from local files and source lists

### Call Set

Allow incoming call

---

Maximum allowable number of incoming calls

Only single incoming is allowed and other incomings are not al ▼

Automatic answer

---

Buffer

Normal latency buffer (~200ms) ▼

Exhaled target

Automatic calling

---

Display in the source list

---

Default local video source: No Default Video Source

Set

### 6.3 Stream (D300 Plus/Pro Only)

It supports input video streaming for multi-protocol conversion. Media source can be switched dynamically. If input video stream is RTSP, RTMP, UDP, it can be converted to the same or different protocols to output via Stream function. Output stream can be RTSP and RTMP.

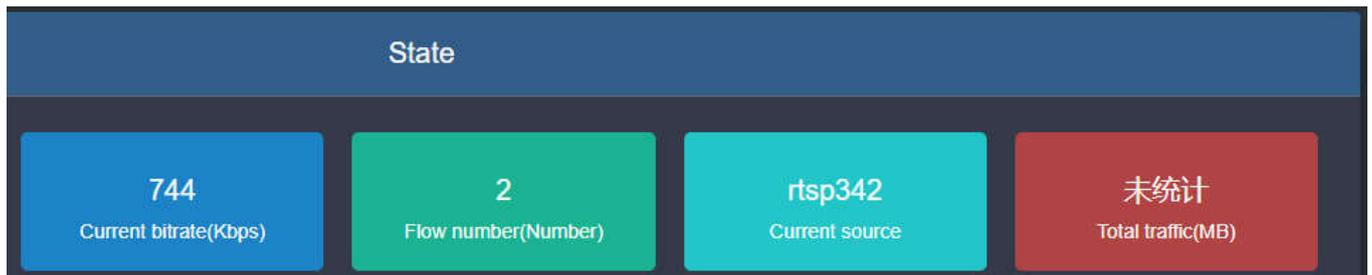
#### 6.3.1 Add Publishing Points

In “stream” menu, click “Add Publishing Points”-“Name”, enter name to add publishing point. You can add many publishing points, and one publishing point can contain many streaming services.

#### 6.3.2 State

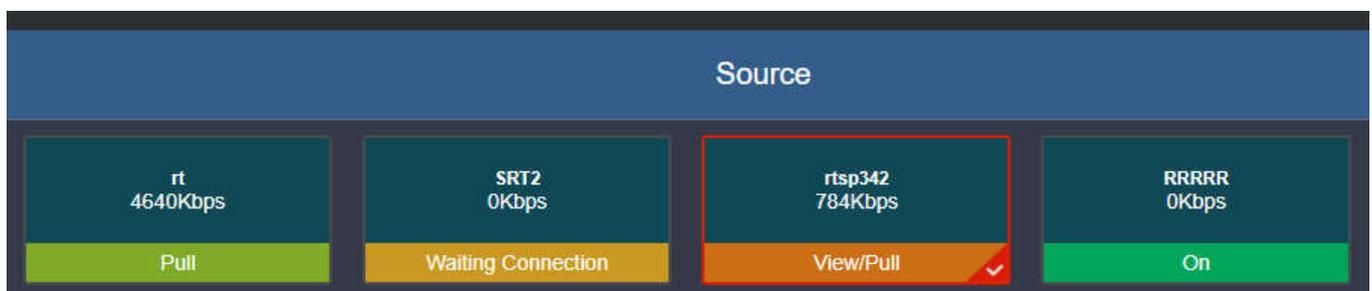
Click “State”,you can see the parameters of this publishing point.

- Current bitrate: display bitrate status for current output source
- Flow number: display currently added flow number
- Current source: display the name of current output source
- Total traffic: total traffic of current service



#### 6.3.3 Source

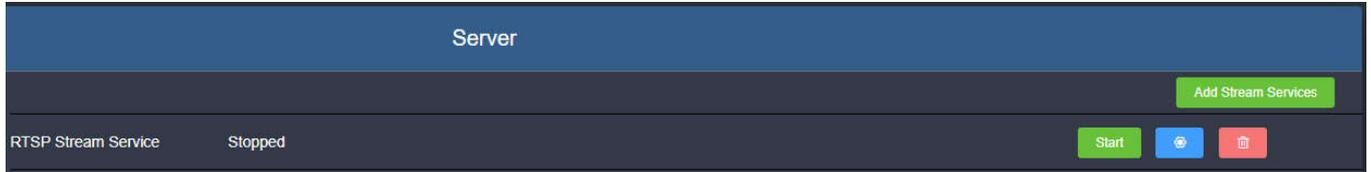
When there are multi-sources in the list, you can click to select the video source you want to output, and the output screen can be automatically switched. The selected source is shown as a red box with a tick.



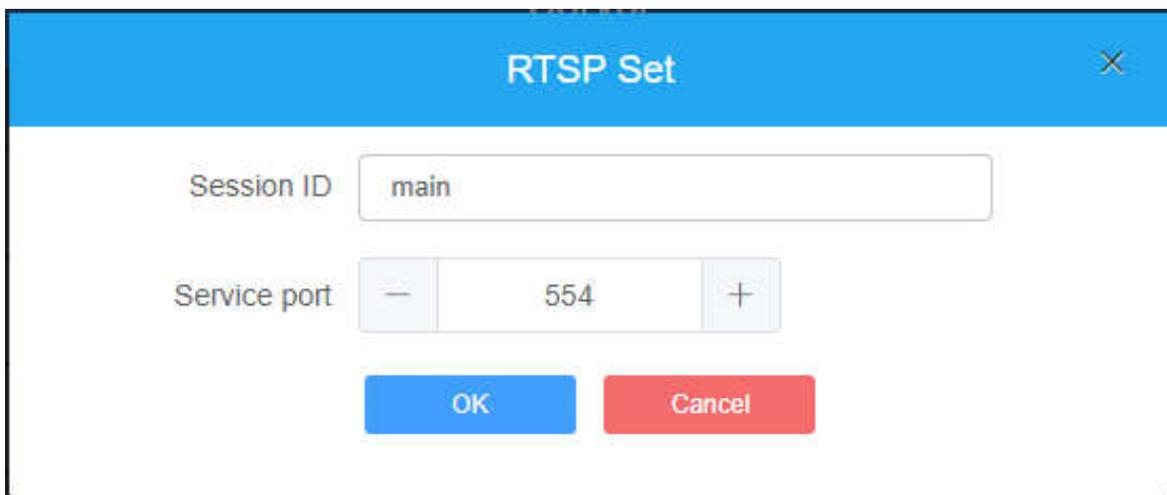
### 6.3.4 Server (Stream service)

#### 6.3.4.1 RTSP service

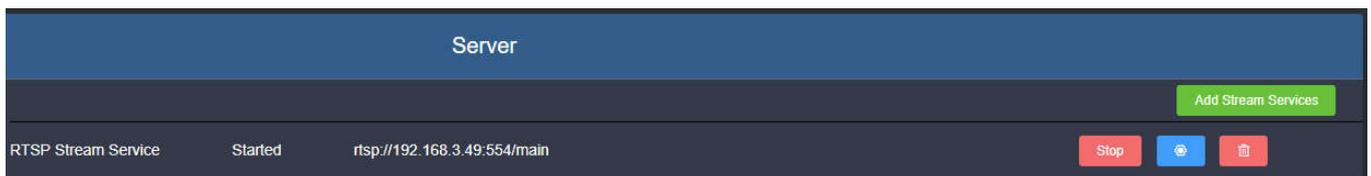
“Add Stream Services”, “Service type”- “RTSP”, click on the “OK” button to build a RTSP stream service, and then you can set up it.



- Start/Stop: It can select to start and stop push service.
- Set: Click here to set RTSP parameters, here you can set the Session ID and Service port.



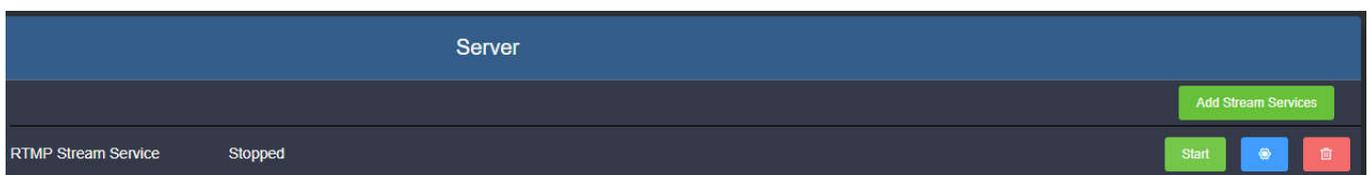
After setup, the RTSP stream service is shown as follows:



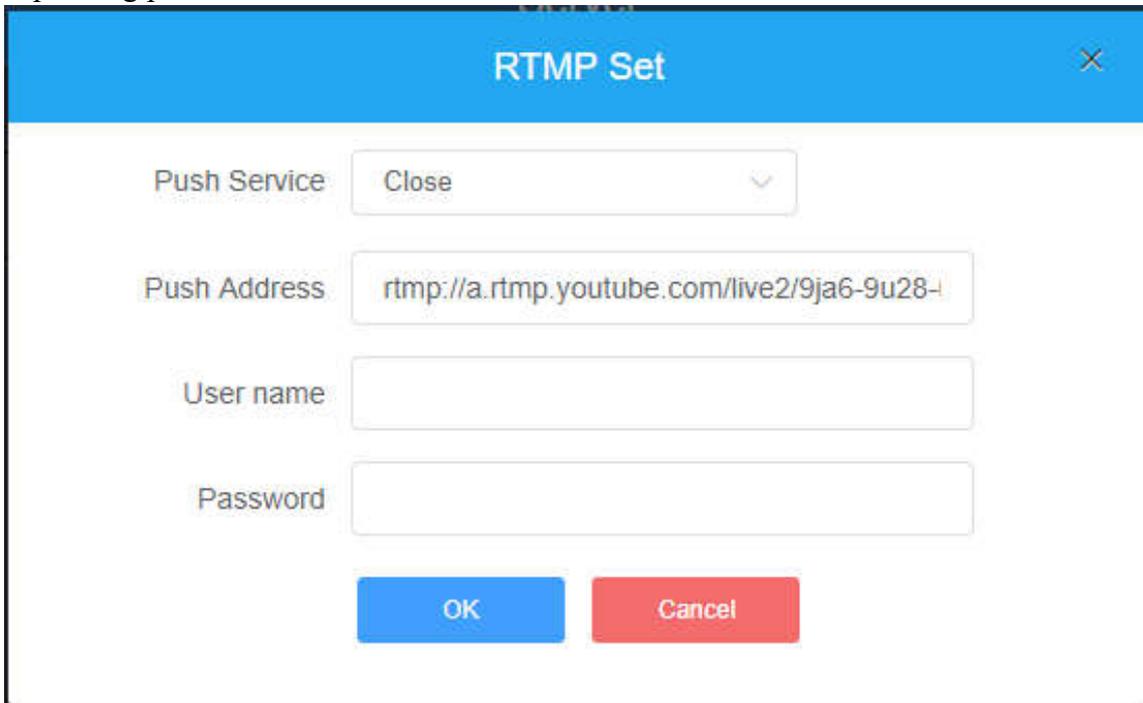
Delete: If the stream service is not needed, you can choose to delete it.

#### 6.3.4.2 RTMP Service

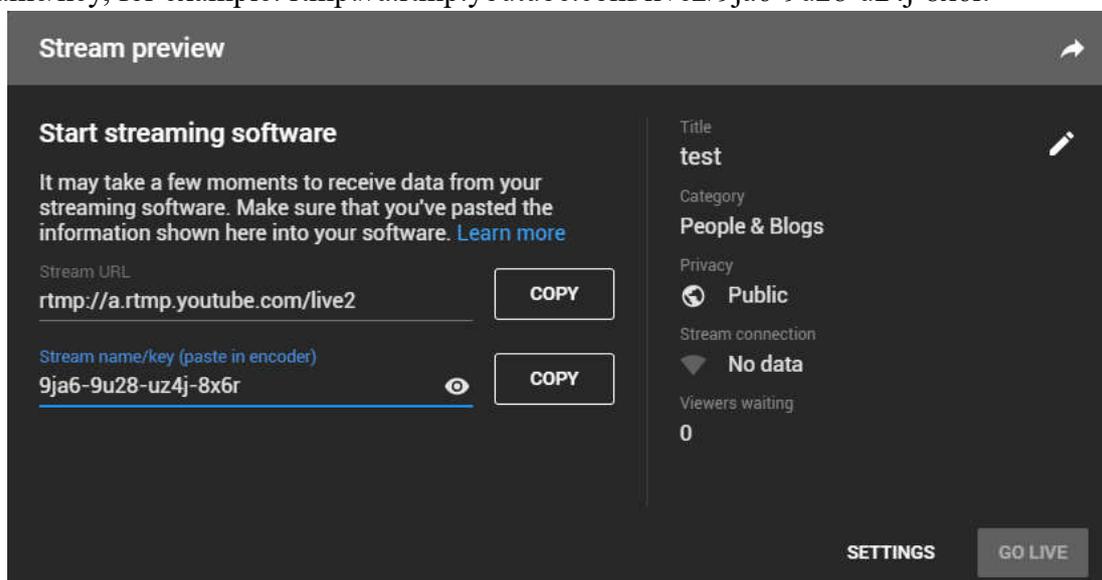
“Add Stream Services”, “Service type”-“RTMP”, click on the “OK” button to build a RTMP stream service, and then you can set up it.



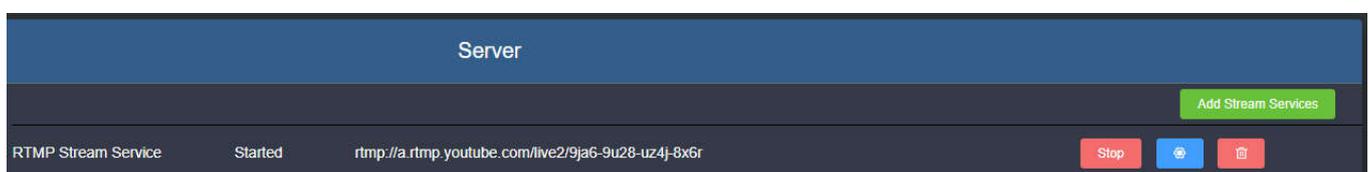
- Start/Stop: It can select to start and stop push service.
- Set: Click here to set RTMP push parameters, mainly the RTMP push URL provided from the platform. If the platform needs to verify the username/password, it also needs to fill in the corresponding parameters.



Take YouTube RTMP address formats for an example, streaming point should be like Server URL+ Stream name/key, for example: rtmp://a.rtmp.youtube.com/live2/9ja6-9u28-uz4j-8x6r.



After setup, the RTMP stream service is shown as follows:

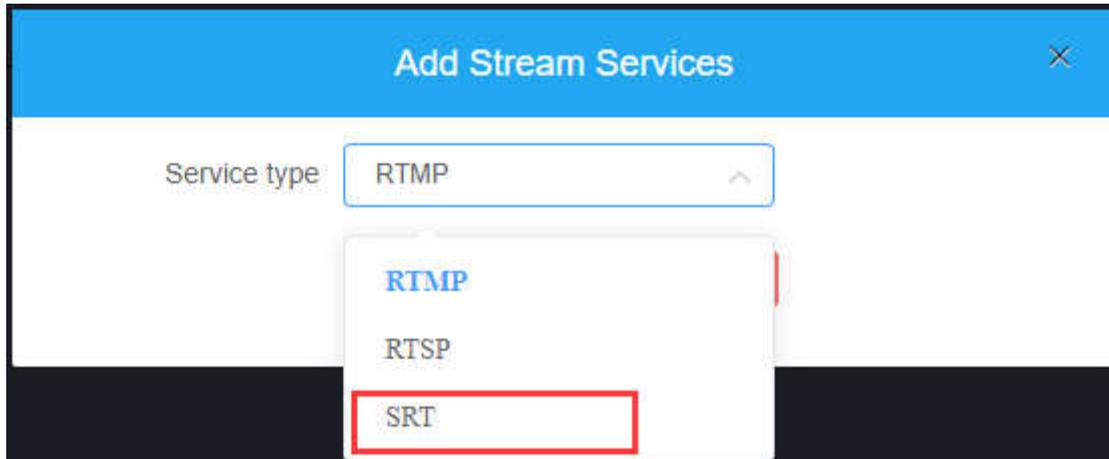


- Delete: If the stream service is not needed, you can choose to delete it.

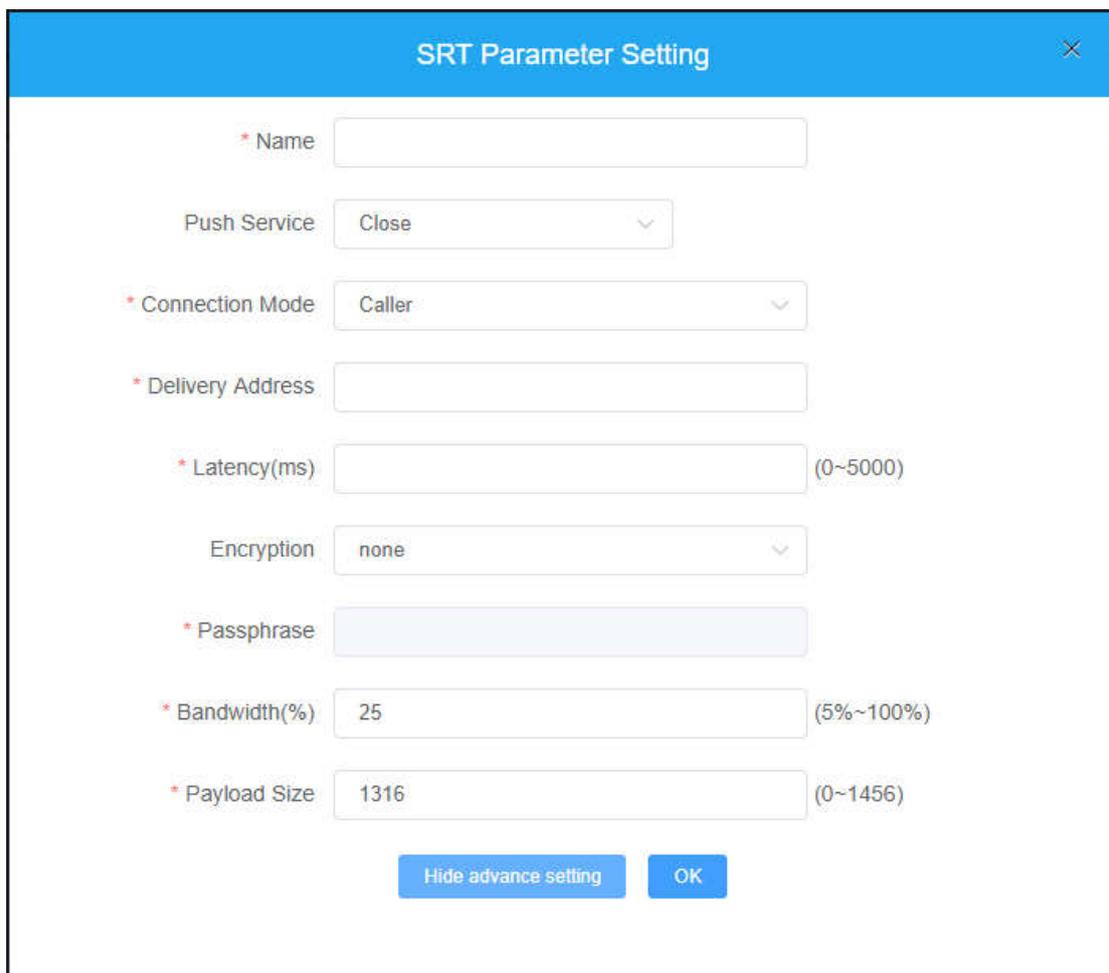
### 6.3.4.3 SRT service

D300Plus/Pro can realize the video stream protocols conversion between SRT, RTMP, RTSP and some other protocols.

- 1) If RTSP/TS-UDP/RTMP/HLS/SRT to SRT, that is, the decoder works as the “Caller” of SRT, and connect with other SRT receivers.
- Add a stream service in the publishing points and choose SRT, click “OK”.

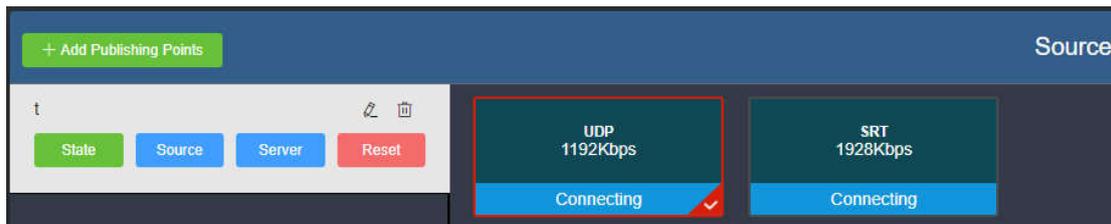


- Enter the SRT configuration page, the SRT parameters can refer to that of the encoder.



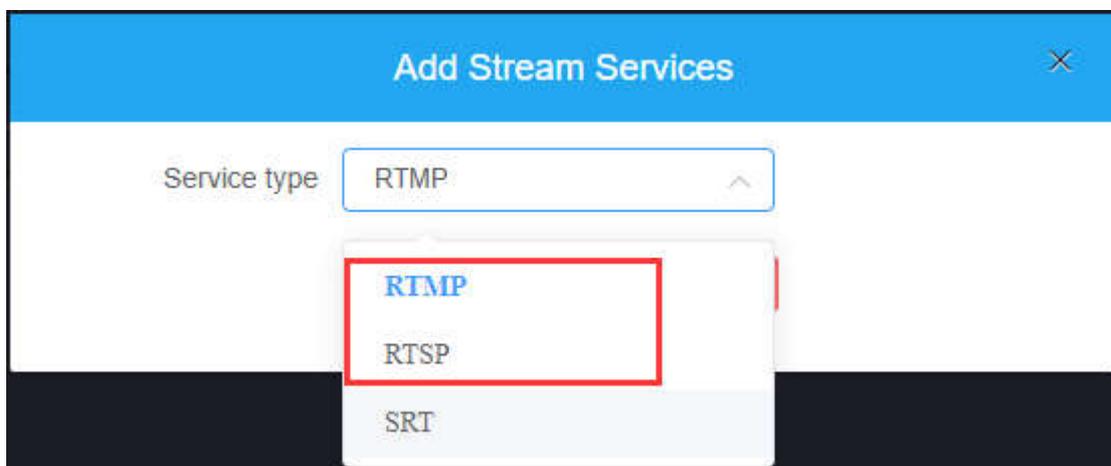
 **NOTE:** Delivery address format: srt://IP address: port

- In “Choose a source”, you can choose the stream that you want to convert from the source, then the stream can be converted to SRT stream.

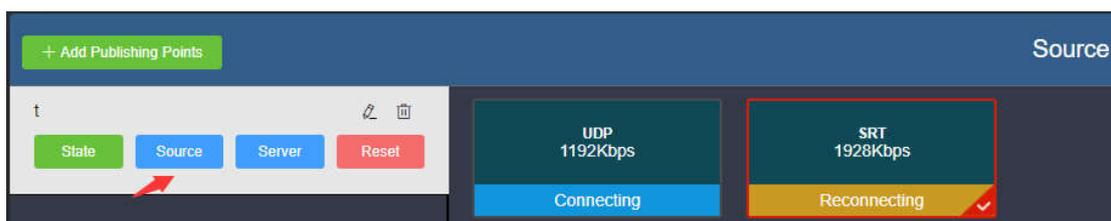


- 2) If SRT to RTSP/RTMP, it will convert or distribute the SRT received in local, and then convert it to RTSP or RTMP pushing.

- In “Add Stream Services”, if adding type is RTMP or RTSP, it can convert SRT to RTSP/RTMP.



- In “Choose a source”, please choose the SRT stream that you want to convert in the source, then it will be converted to RTSP/RTMP stream.



## 6.4 System setup

### 6.4.1 User Management

Viewing User Lists, Adding and Deleting Users

Batch Deletion		+ Add User		User list	
<input type="checkbox"/>	User name	Alias	Create time	Operation	
<input type="checkbox"/>	admin	Admin	1970-01-01 00:00:00		
<input type="checkbox"/>	xclab	xclab	1970-01-01 10:33:11	<input type="button" value="🔔"/>	<input type="button" value="🔗"/>
				<input type="button" value="🗑️"/>	
				Total 2	<input type="button" value="⏪"/> <input type="button" value="1"/> <input type="button" value="⏩"/> <input type="text" value="10/page"/>

### 6.4.2 System Time

Timing mode can be set: synchronization with current PC, manual timing and slave NTP server. Choose the right time zone to ensure the correct time from the NTP server.

Choose your location and region



---

Current device time

Mode

Time

### 6.4.3 Reset

Used to reset decoding services, usually used to make the modified parameters take effect immediately or decode abnormal situations. The current decoding services will be temporarily interrupted, requiring about 3S.

### 6.4.4 Reboot

Device software restart, it lasts about 3 minutes.

### 6.4.5 Restore

If users change parameters that lead decoder can't work (The typical situation is changed network address, so it can't login decoder), users could restore factory setting to default value.

There are two ways to restore the factory settings. Restoring the factory settings will lead to a hard restart of the device. The restart process will take about 3 minutes.

- 1) WEB page "Restore", click to take effect.
- 2) RESET button of device panel. At the RESET button position of the device, hold down the reset key and keep for more than 5 seconds. The device will be restored to the factory settings.

Below parameters will be restored after restoring factory setting:

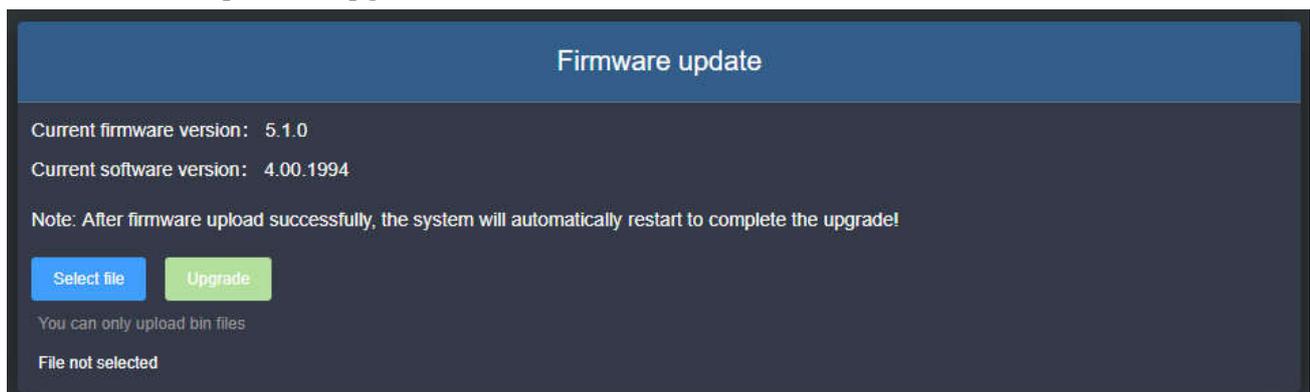
- Login username and password will be turned to admin;
- The IP address of Ethernet port 1 will be restored to 192.168.1.168/24, and the IP address of Ethernet port 2 will be restored to 1.168.2.168/24;
- All the video/audio decoding settings will be restored;
- Streaming settings will be restored.

### 6.4.6 Firmware

Please check the device information and firmware before upgrading, download the firmware to the local computer in advance. Click "Select File", and then click "Upgrade", and the device will start upgrading.

After the firmware is uploaded successfully, the power can not be cut off during the upgrade process. After the upgrade, the device will restart. The whole upgrade process will last about 3-5 minutes (depending on the size of firmware and network environment).

After the device is restarted, you can click on the upper right button to see if the software version is consistent with the planned upgrade.



**Thank you for reading.**

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