

H.265/264 Video Decoder-Transcoder Manual

V1.2 20230511



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1. Environment Settings

1.1. Hardware Interface

1.1.1 Front Side view



From Right to Left:

- ① DC5-12V: 5V 2A or 12V 1A
- ② Ethernet: 1000 Mbit/s full-duplex
- ③ RST: Reset button
- ④ HDMI Output
- ⑤ CVBS Output
- ⑥ Analog 3.5mm jack L/R Audio Output

1.1.2 Back Side view



- ①P-Power indicator ②E- Ether Network ③V-Video Output


2. Management Settings

2.1 Login

By <http://192.168.1.169> (default IP) to login the decoder, default user name and password are **admin**.

2.2 Address setting - Input Streaming URL

Input streaming address – supports RTSP/ HTTP/ HLS/ FLV/ RTMP(S)/ UDP/ RTP/ SRT ts streaming

**IP Decoder / Transcoder**

- Status
- Input stream address**
- Transcoding setting
- Advance setting
- System setting

Input stream address

Channel1 address:

audio:

cache(ms): [0-60000]

Audio track:

Video track:

ONVIF divce

ONVIF list:

ONVIF URL:

username:

password:

Transcoding setting

Encoding Type, you can select H265 or H264.

Status	Transcoding setting
Input stream address	
Transcoding setting	
Advance setting	
System setting	

Encoding Type:	<input type="text" value="H.264"/>	
FPS:	<input type="text" value="25"/>	[5-60]
GOP:	<input type="text" value="25"/>	[5-300]
Bitrate(kbit):	<input type="text" value="3200"/>	[32-100000]
Encoded Size:	<input type="text" value="1280x720"/>	
H.264 Level:	<input type="text" value="BASELINE"/>	

TS URL:	<input type="text" value="/0.ts"/>	<input type="text" value="Enable"/>
HLS URL:	<input type="text" value="/0.m3u8"/>	<input type="text" value="Disable"/>
FLV URL:	<input type="text" value="/0.flv"/>	<input type="text" value="Enable"/>
RTSP URL:	<input type="text" value="/0"/>	<input type="text" value="Enable"/>
RTMP(S)/RTSP PUSH URL:	<input type="text" value="rtmp://192.168.1.169/live/0"/>	<input type="text" value="Disable"/>
Multicast IP:	<input type="text" value="238.0.0.1"/>	<input type="text" value="Disable"/>
Multicast Port:	<input type="text" value="1234"/>	[1-65535]
Multicast Type:	<input type="text" value="UDP"/>	
SRT URL Port:	<input type="text" value="9000"/>	<input type="text" value="Disable"/>
SRT PUSH URL:	<input type="text" value="srt://192.168.1.169:9000"/>	<input type="text" value="Disable"/>
SRT pwd:	<input type="text" value="0123456789"/>	<input type="text" value="Disable"/>

2.4 System setting

2.4.1 System output – HDMI CVBS Decode Resolution settings

The screenshot displays the 'System output' configuration page. On the left, a dark sidebar contains a menu with 'System output' highlighted. The main content area is titled 'System output' and contains the following settings:

- HDR mode:** AUTO (dropdown)
- Low delay output:** Disable (dropdown)
- HD output:** 1080P60 (dropdown menu is open, showing options: 480P60, 576P50, 720P50, 720P60, 1080P25, 1080P30, 1080I50, 1080P50, 1080I60, 1080P60, 1920x1200P60, 2560x1440P60, 3840x2160P25, 3840x2160P30, 3840x2160P50, 3840x2160P60, 4096x2160P25, 4096x2160P30, 4096x2160P50, 4096x2160P60)
- CVBS output:** 576P50
- Brightness:** 50 (slider)
- Contrast:** 50 (slider)
- Hue:** 50 (slider)
- Saturation:** 50 (slider)

2.4.2 Network Setting

Settle the device IP address according with your router; please reboot the device once settled.

The screenshot displays the 'Network setting' configuration page. On the left, a dark sidebar contains a menu with 'Network setting' highlighted. The main content area is titled 'Network setting' and contains the following settings:

Internet access

- DHCP:** Disable (dropdown)
- IP:** 192.168.1.169
- Mask:** 255.255.255.0
- Gateway:** 192.168.1.1
- Mac:** 00:13:14:03:ED:05

DNS

- Dns1:** 192.168.1.1
- Dns2:** (empty)

2.4.3 Password Setting

Change the password – default user name and password are admin.

Passwd setting

Old password:

New password:

New password again:

Apply

2.4.4 System Upgrade and backup

Ensure the Upgrade file name is up.rar. Please don't upload by different people at the same time, don't power off or refresh the page during upgrade.

Upload firmware and configuration

Current version: 1.4.2

Choose file:

Warning: File name is up.rar or box.ini. Please dont upload by different people at the same time, dont power off during upload.

Backup firmware and configuration

2.4.5 Reset device

Reboot the device after reset the device, all settings will restore to factory settings.

The screenshot shows a settings interface. On the left is a dark sidebar menu with the following items: Status, Input stream address, Transcoding setting, Advance setting, System setting, Network setting, Serial to TCP, Passwd setting, System output, Upgrade and backup, and Reset device (highlighted). The main content area has a light gray header with the text 'Reset device'. Below the header, there is a label 'Reset system:' followed by a dark gray button with the text 'Reset'.

2.4.6 Reboot Device

After your settings settled, reboot the device to apply the configuration.

The screenshot shows a settings interface. On the left is a dark sidebar menu with the following items: Status, Input stream address, Transcoding setting, Advance setting, System setting, Network setting, Serial to TCP, Passwd setting, System output, Upgrade and backup, Reset device, and Reboot device (highlighted). The main content area has a light gray header with the text 'Reboot device'. Below the header, there is a label 'Restart system:' followed by a dark gray button with the text 'Reboot'.

2.5 Status

2.5.1 System Status

After all settings settled, from the status page, you can check the device running status, if any error, please ensure the streaming URL is correct.

Status	Status
Input stream address	System status Systemtime: 1970-01-01 00:04:54 (Synchronize time to the device) Runtime: 0000-00-00 00:04:48 CPU usage: 36% Memory usage: 206MB/975MB net status: internet Output format: 1080P60 Channel number: 1
Transcoding setting	Decode channel1 Decode address: http://39.134.115.163:8080/PLTV/88888910/224/3221225618/index.m3u8 Decode status: normal Frame rate(fps): 25 Bitrate(kbit): 3836
Advance setting	Transcode channel1 Encode type: H.264 Encode size: 1280x720 Bitrate(kbit): 3200 TS URL: http://192.168.1.169/0.ts FLV URL: http://192.168.1.169/0.flv RTSP URL: rtsp://192.168.1.169/0
System setting	

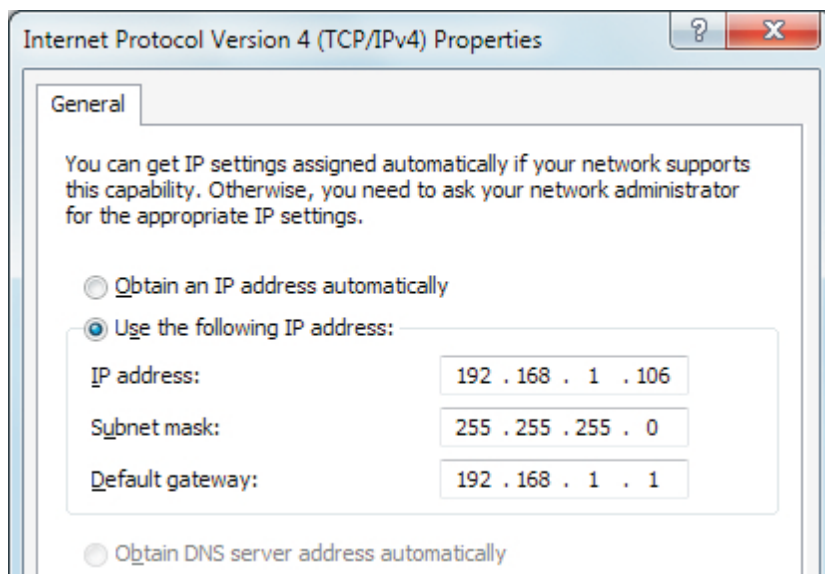
3. FAQ

3.1 How to reset this device?

When power on, hold the RST button around 10 seconds till the status led off, then release it, the decoder will be initialized.

3.2 I can't enter into the decoder control panel or ping it?

- 1) Ensure the decoder IP with your router in same gateway, such as Decoder IP is 192.168.1.169, but your router IP is 192.168.0.1 or else, in this situation, you need connect the decoder with your computer directly, and set the computer IP to 192.168.1.106, then enter the decoder control panel - Network, set the its IP to 192.168.0.169, click setup, and reboot the decoder.
- 2) Connect the decoder with your router or switch, change back your computer IP.
- 3) If still not works, pls contact us.



3.3 I can't watch the video on TV/Display.

Please ensure the streaming url is correct, and network connection is good.