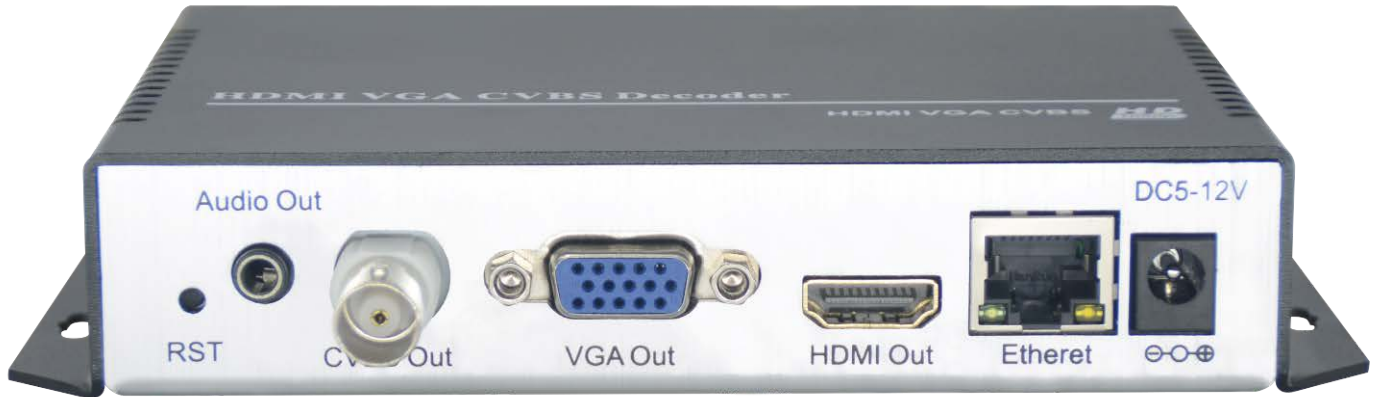# H.265/264 Video Decoder Manual

V1.6 20230511

H.265 4K HDMI VGA CVBS Video Decoder

H265 4K HDMI SDI VGA CVBS Video Decoder

1U Rack-mounted H.265 4K HDMI VGA SDI/CVBS Video decoder

Index

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 HDMI Output
④ VGA Output
⑤ SDI Output
⑥ Analog 3.5mm jack Audio Output
⑦ RST: Reset button

1.1.2 Back Side view

① P-Power indicator
② E- Ether Network
③ V-Video Output
④ CVBS 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

Max can input 4 streaming address, and output 4 video windows in 1 display

Tips, below 'username' is authentication username, 'password' is authentication password. Do not fill in 'username:password@' if no authentication required.

Decoder as client mode - pull stream from other devices / media streaming server,
http://username:password@192.168.1.168/0.ts
http://username:password@192.168.1.168/0.flv
http://username:password@192.168.1.168/0.m3u8
rtsp://username:password@192.168.1.168/0   [RTSP OVER TCP]
rtsp://username:password@192.168.1.168/0?udp   [RTSP OVER UDP]
rtmp(s)://username:password@192.168.1.168/live/0
udp://username:password@238.0.0.1:1234
.... etc.

Decoder as rtmp server, other device/software push rtmp to decoder,
device/software push rtmp to decoder url: rtmp://decoder ip:port/live/stream name   i.e.
rtmp://192.168.1.169:1935/live/test   here, the application name must be 'live', you may not need to fill in the rtmp port if server rtmp port is 1935 as default.
Decoder play url: rtmp://127.0.0.1/live/test   or   rtmp://192.168.1.169:1935/live/test

For SRT
Decoder as Listener mode
srt://:port?mode=listener&smoother=live
srt://decoder i:9000?mode=listener&smoother=live
i.e., srt://0.0.0.0:9000?mode=listener&smoother=live
or   srt://:9000?mode=listener&smoother=live
or   srt://@:9000?mode=listener&smoother=live
SRT - Caller mode
srt://encoder ip:port?smoother=live
i.e., srt://192.168.1.168:9000?smoother=live

2.3 System setting

2.3.1 System output

2.3.2   Network Setting

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

Status
Address setting
Advance setting
System setting
Network setting ◄
Serial to TCP
Passwd setting

Network setting

Internet access

DHCP: Disable ▼

IP: 192.168.1.169

Mask: 255.255.255.0

Gateway: 192.168.1.1

MAC: 00:13:14:02:2C:78

2.3.3   Password Setting

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

Status
Address setting
Advance setting
System setting
Network setting
Serial to TCP
Passwd setting ◄

Passwd setting

Old password: [   ]

New password: [   ]

Confirm new
password: [   ]

Apply

2.3.4 Firmware Upgrade & 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 upload.

2.3.5 Reset device

After reset the device, all settings will roll back to factory settings.
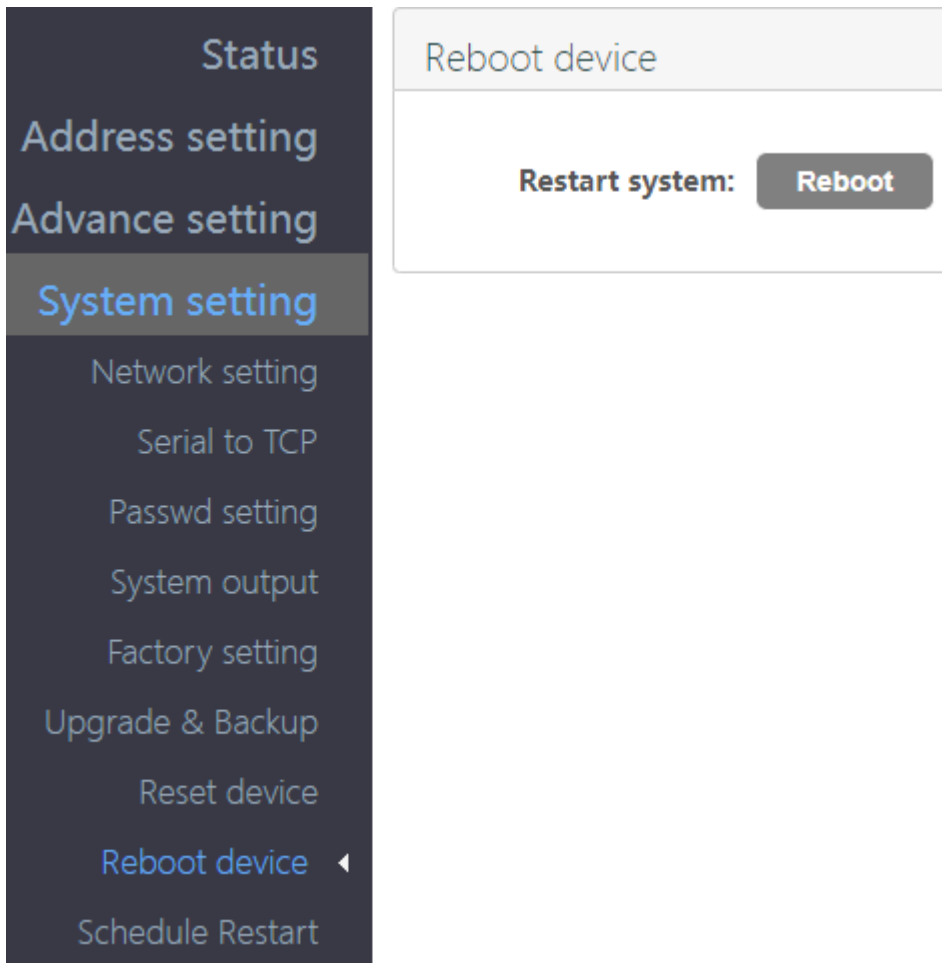
2.3.6   Reboot Device

After your settings settled, then click the reboot button to make them effective.
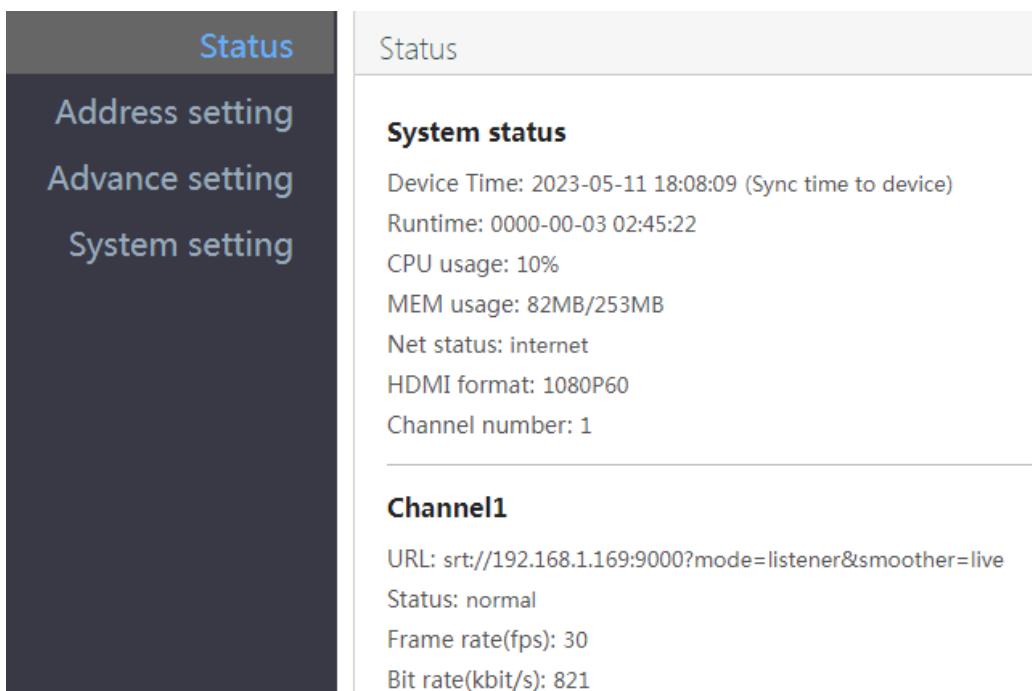
2.4   Status

2.4.1   System Status

After all settings settled, from the status page, you can check each channel output video status, if any error, please ensure the streaming URL is correct.

3. FAQ

3.1 How to reset the decoder?

Click the reset menu to reset it or by hardware reset, power on the decoder & hold the RST button around 10 seconds till the status led off, then release it, the decoder will be initialized.

3.2 I login 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 login the decoder control panel – System setting – Network setting to set its IP to 192.168.0.169, click Apply, 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.
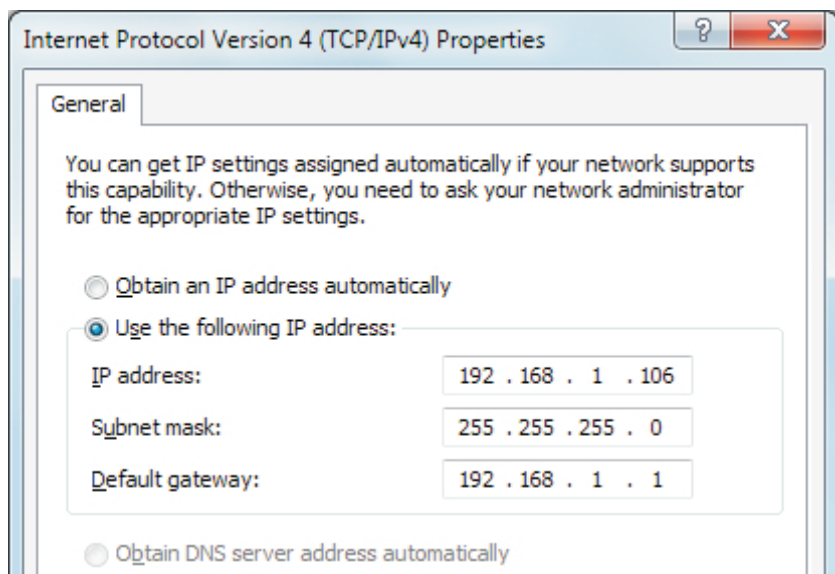
3.3 I can't watch the video on TV/Display.

Please ensure the IP streaming url is correct, and network works.