

TBS2600V1 Professional H.265/H.264 HD-SDI Video Encoder

User Guide

Dear Customers,

Thank you so much for using TBS products. TBS2600V1 is a professional H.265/H.264 HD-SDI video encoder, which equipped with SDI input and dual stream RJ45 output. What's more, it has SDI output which can output original data directly. It supports MPEG-4 AVC/H.265/H.264 High Profile code format input and dual stream H.264 format, audio ACC format output, it also compatible with HTTP, UDP, RTSP, RTMP, ONVIF protocols.

The product can be applied to education, health care, IPTV, conference, remote education, news interview, banking, transportation and other industries.

Main Features:

Support direct network connection without HD capture card

Main stream and secondary stream can use different network protocols for transmission

Low Power consumption, less than 6W

Compliant with HTTP/RTSP/RTP/RTMP/UDP/ONVIF protocols

Supports MPEG-4 AVC/H.265/H.264 High Profile code

Applications:

IPTV

Digital Signage

Video Conference

Replace HD Video Capture Card

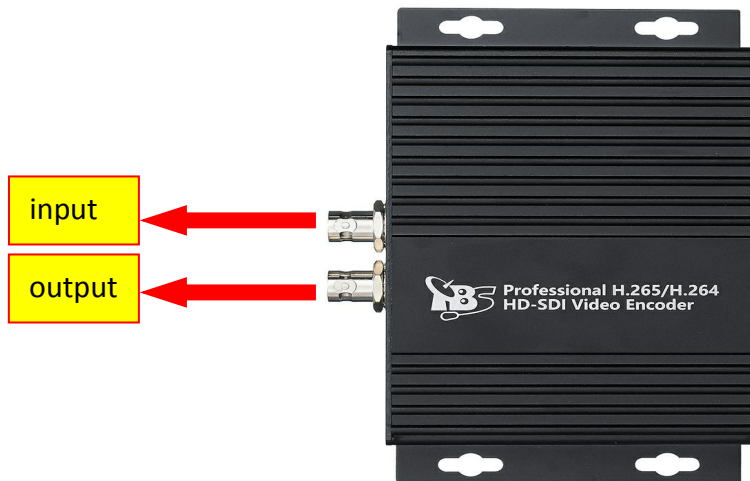
Hotel TV system

Live Broadcast

Teaching/Campus Broadcast

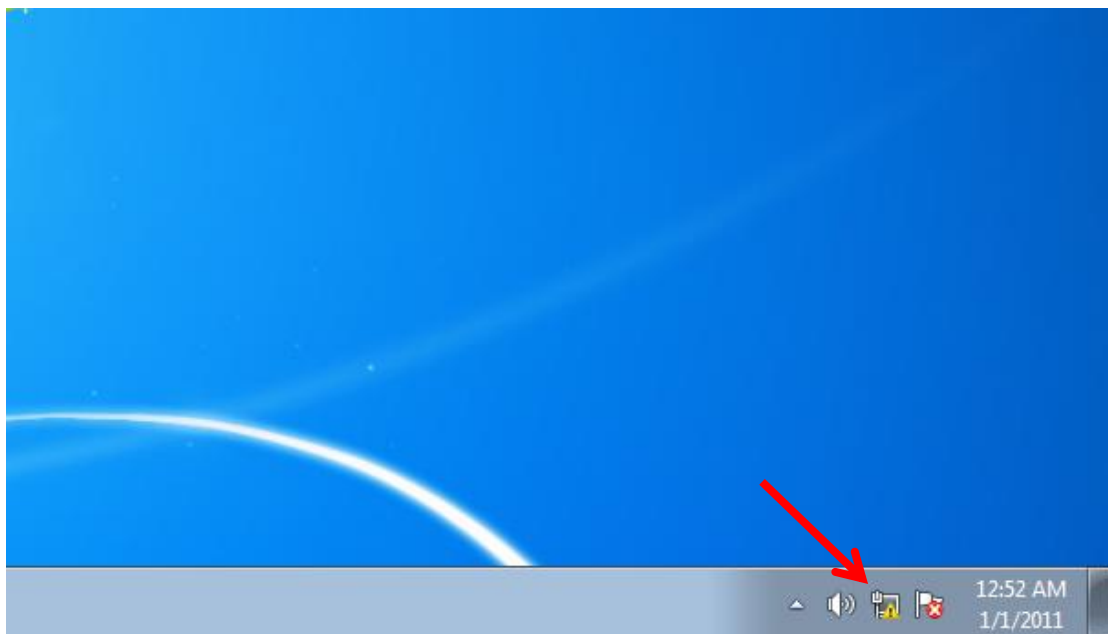
Recording System

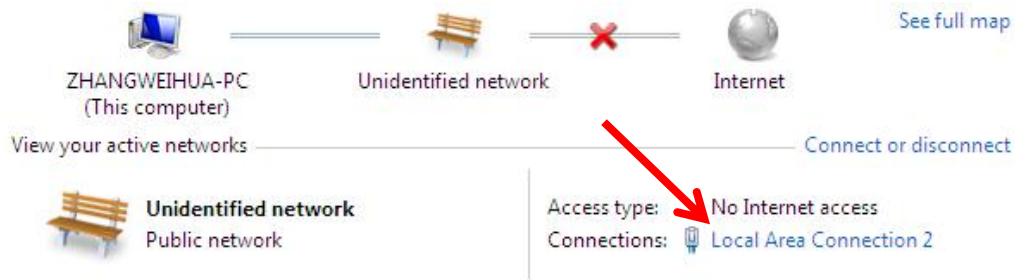
NVR (Net Video Recorder)







1. Network Settings on Your PC

1.1 TBS2600V1 network interface is associated with your PC's network port. You can set up the existing cable network configurations by their connection. (Kindly find the following screenshot for your reference.)





Change your networking settings

-  [Set up a new connection or network](#)
 Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.
-  [Connect to a network](#)
 Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.
-  [Choose homegroup and sharing options](#)
 Access files and printers located on other network computers, or change sharing settings.
-  [Troubleshoot problems](#)
 Diagnose and repair network problems, or get troubleshooting information.

Local Area Connection 2 Status


General

Connection

IPv4 Connectivity:	No Internet access
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	00:51:55
Speed:	1.0 Gbps

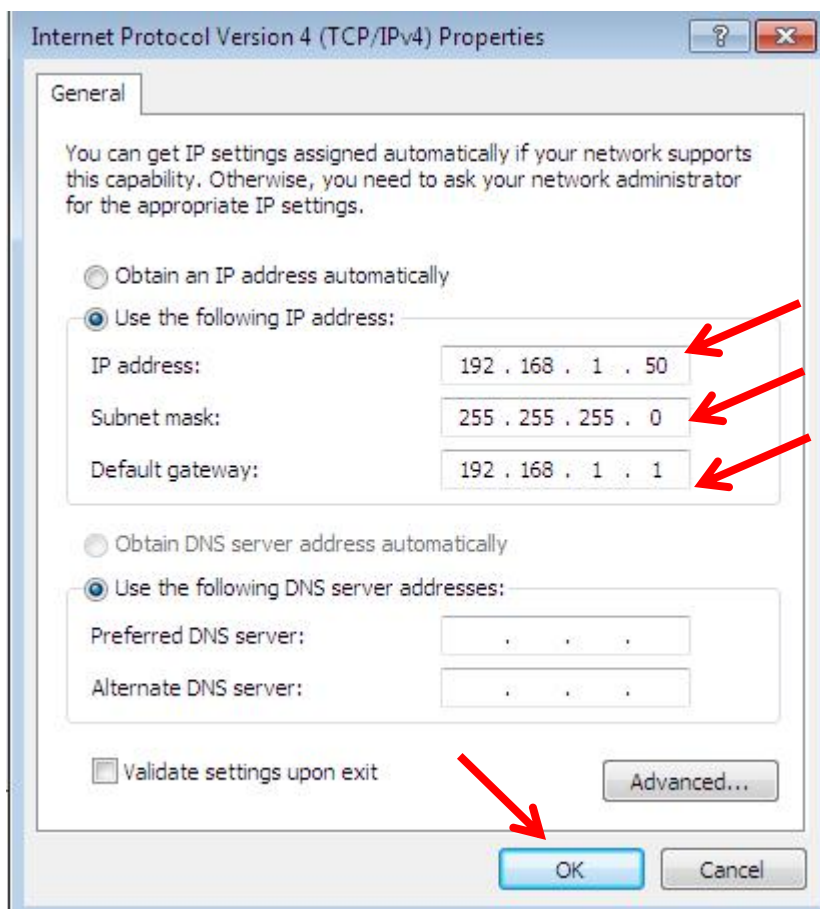
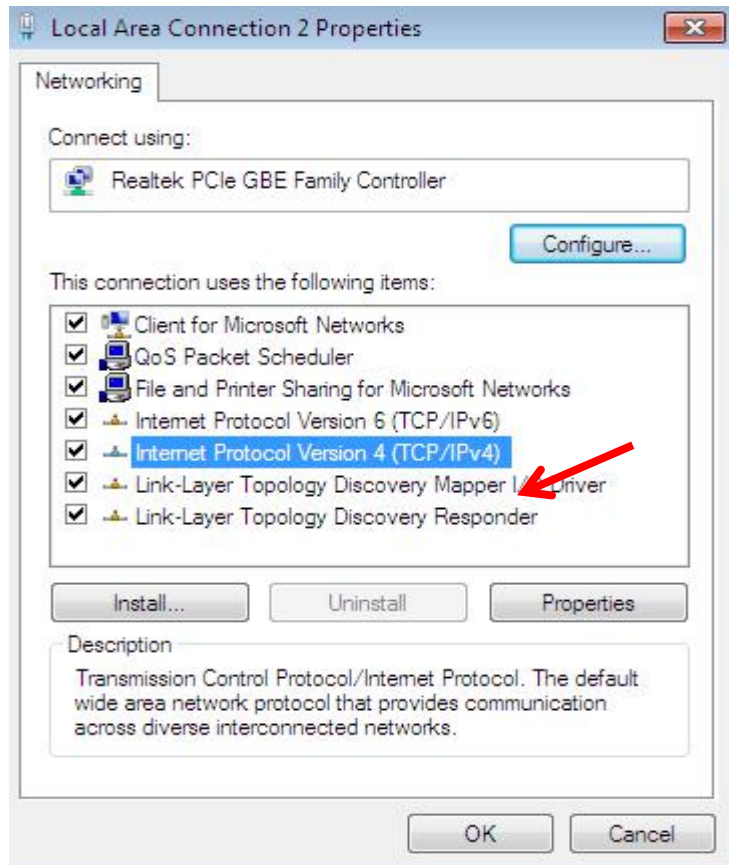
[Details...](#)

Activity

	Sent		Received
Bytes:	76,748		4,636,271

[Properties](#) [Disable](#) [Diagnose](#)

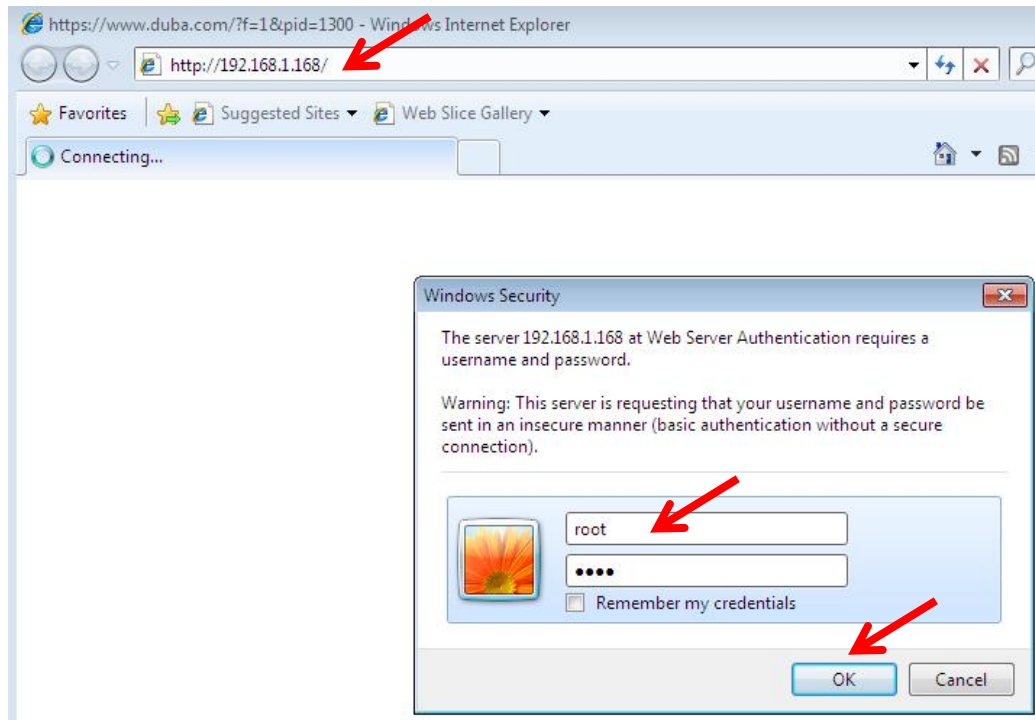
[Close](#)



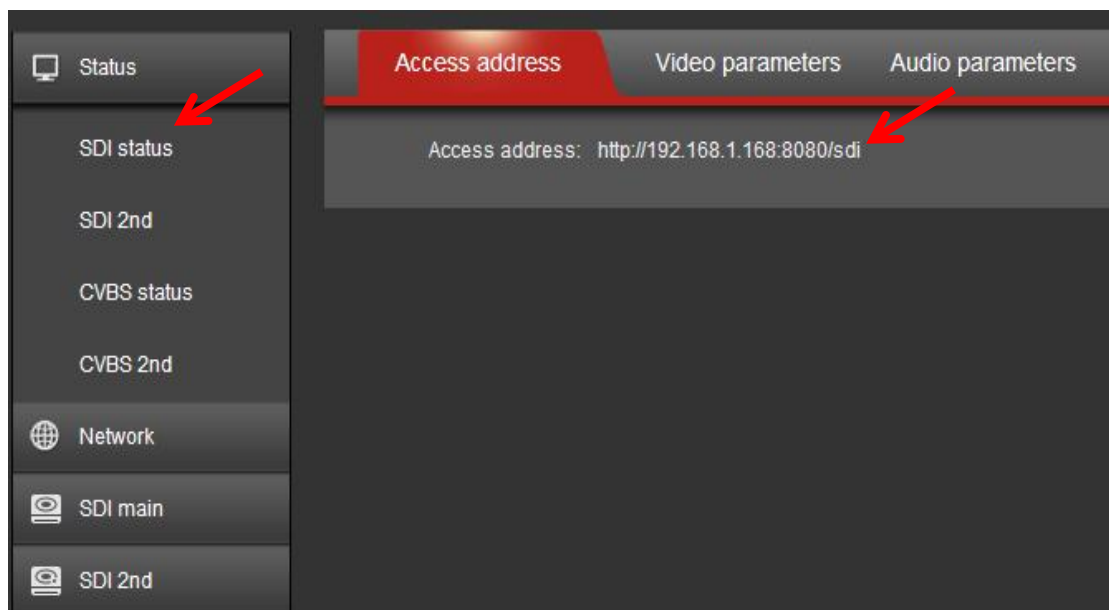
2. TBS2600V1 HD-SDI Encoder Settings

2.1 Open IE browser, input "192.168.1.168" to visit TBS2600V1 HD-SDI Encoder's web operation interface

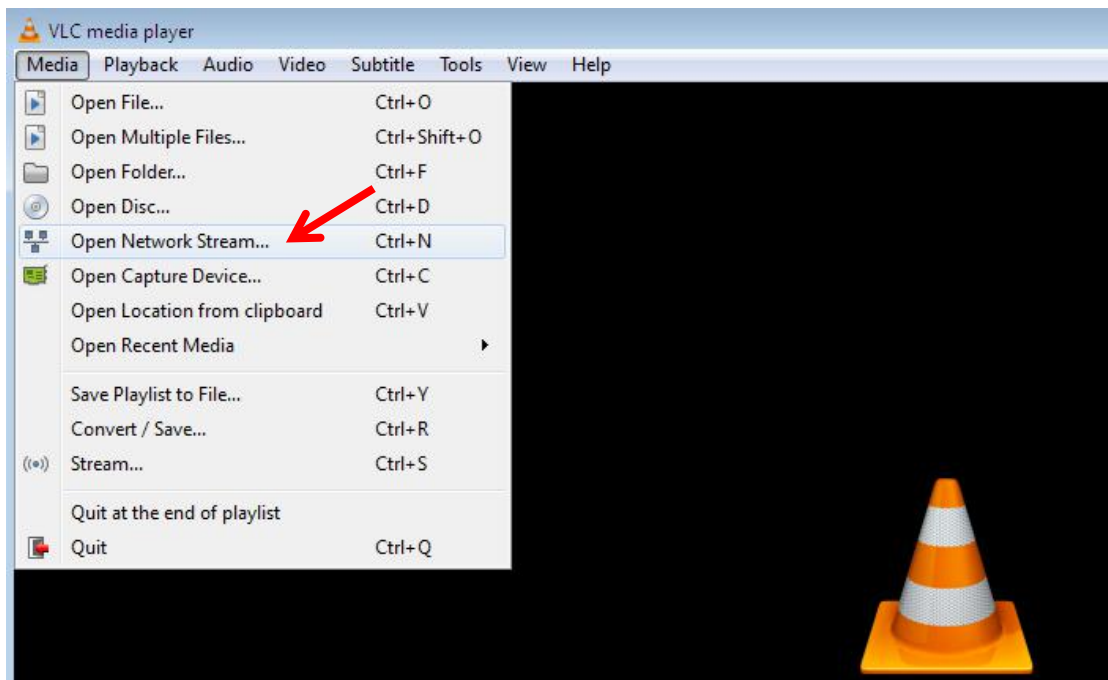
2.2 Input "User Name: root Password: root"



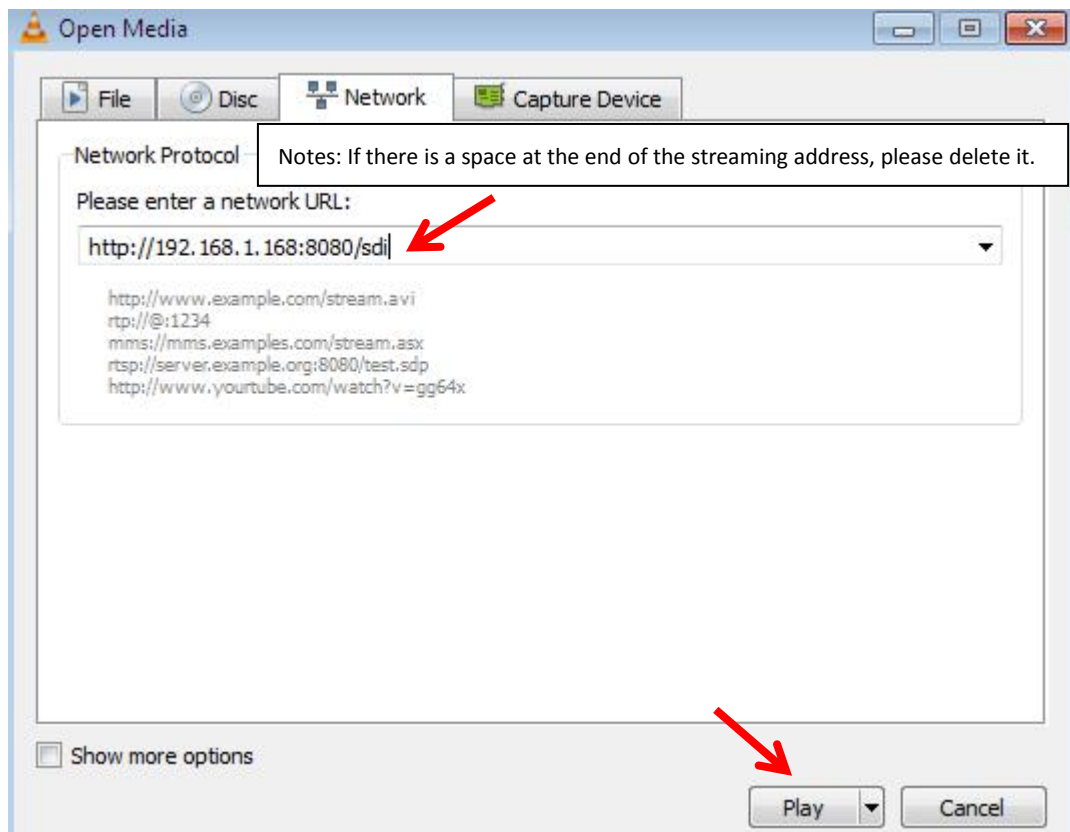
2.3 Get live streaming "Access Address" from web UI. (Kindly find the following screenshot for your reference.)



2.4 Open VLC player (You can find network streaming address as below.)



2.5 Please enter a network URL, and then click "Play".





3. SDI Main Stream Setting

channel name: xxx

H.264/5: H264

H.264 Level: baseline prof

Encoding frame rate: 30 [5-30]

Bitrate control: vbr

Key interval: 60 [5-200]

Encoded size: auto

MinQp: 4 [1-51]

MaxQp: 45 [MinQp-51]

MaxBitrate: (K): 1024 [100-10000]

Package: A

WEB Port: 80 [1-65535]

HTTP: /sdi **Enable** Format: /sdi (begin with "/>)

HTTP Port: 8080 [1-65535]

RTSP: /sdi **Disable** Format: /sdi (begin with "/>)

RTSP Port: 554 [1-65535]

RTSP TCP: TCP

unicast IP: 192.168.1.18 **Disable**

unicast port: 1234 [1-65535]

You can choose protocol according to your needs.

3.1 SDI 2nd Stream Setting

H.264 Level: : baseline prof

Encoding frame rate: 30 [5-30]

Bitrate control: cbr

Encoded size: 720x540

Bitrate: (K): 1024 [16-12000]

HTTP: /sdi_ext Disable

HTTP Port: 8090 [1-65535]

RTSP: /sdi_ext Disable Format: /sdi (begin with "/)

RTSP Port: 556 [1-65535]

unicast IP: 192.168.1.18 Disable Format: /sdi (begin with "/)

unicast port: 1236 [1-65535]

Multicast IP: 239.0.0.3 Disable

Multicast port: 1236 [1-65535]

RTP: 239.0.0.4 Disable

RTP port: 1236 [1-65535]

RTMP server IP: 192.168.1.18 Disable

RTMP server port: 1936 [1-65535]

RTMP user name:

RTMP password:

RTMP app name: live

RTMP stream name: stream

Apply

Set up birate here. The max birate is 1024.

3.2 Audio Setting

Audio Encoder

Audio input: Line in

Audio bitrate: 96000

Audio channel: left

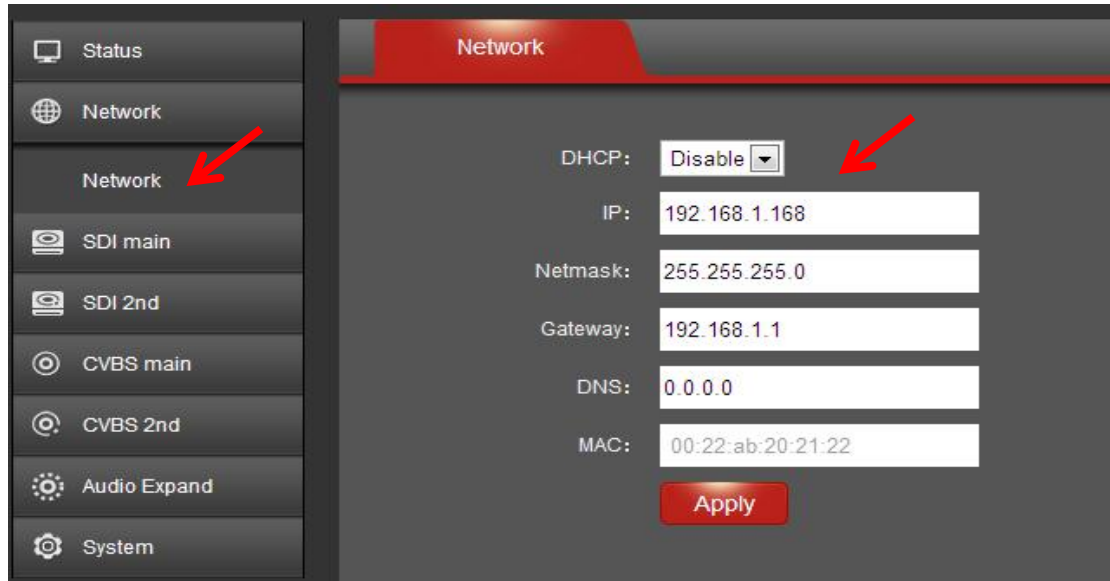
Audio Codec: AAC

Resample: Disable

RTSP audio encode: AAC

Apply

3.4 IP Setting



3.5 Upgrade Settings

