

TBS2630 HDMI to ASI User Guide

TBS2630ASI multi-channel IP encoder to ASI converter is a professional 14x HDMI H.265/H.264 audio/video encoding and 1x DVB-ASI output device, it can convert the database received from the 14 HDMI inputs into TS stream and then output it through the ASI interface.

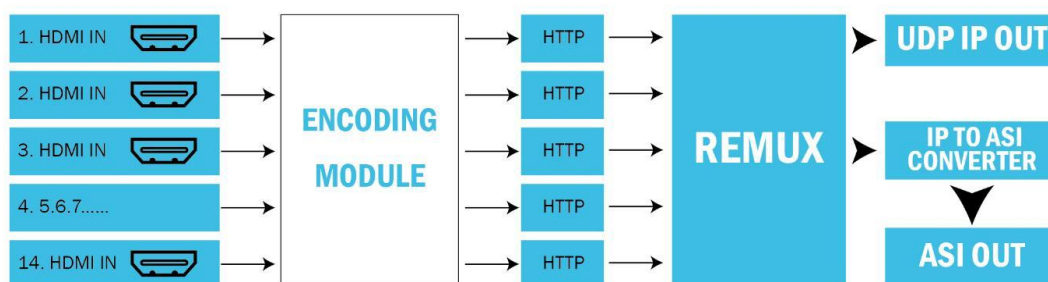
It has a main management board inside, based on the “remux” function, 14 HDMI H.265/H.264 video channels will be multiplexed and combined to one new transponder stream and output via ASI or as a UDP content to IP simultaneously in broadcast quality.



14 HDMI inputs, H.265/H.264 SD/HD video signal

ASI output in broadcast quality

Management board with “Remux” function inside



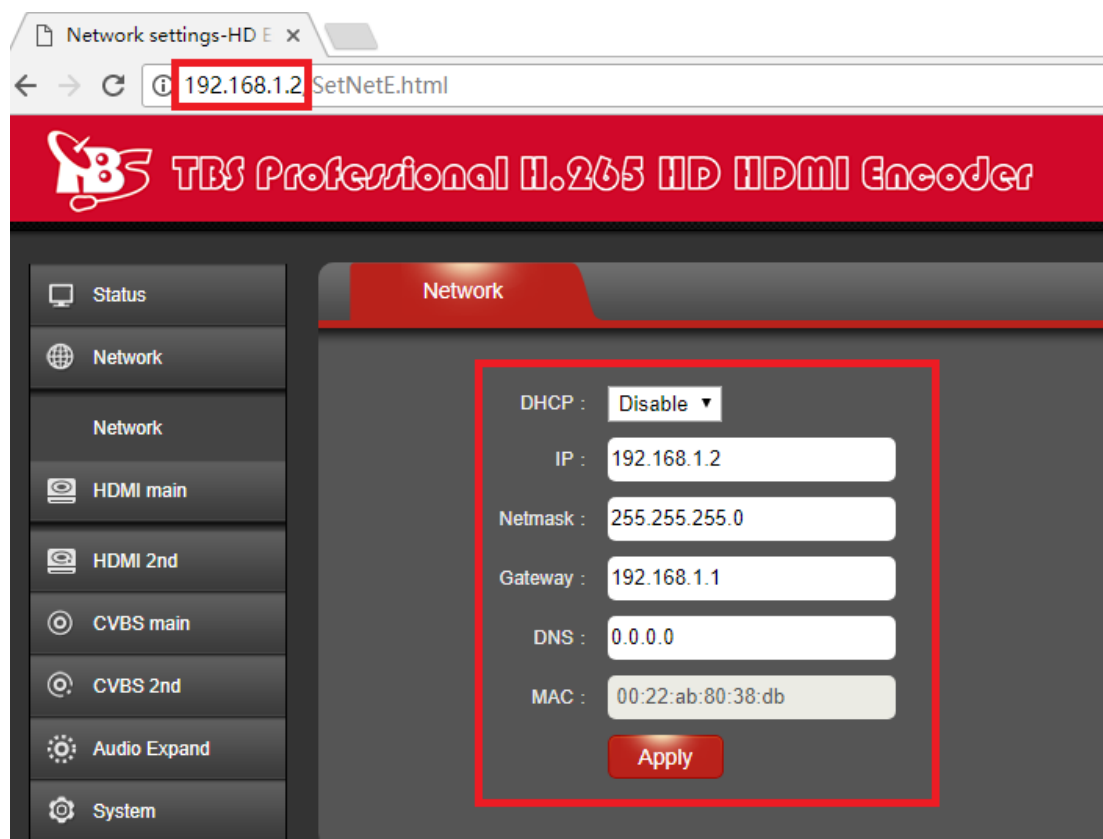
1. HDMI Encoder Settings

1.1 From 1 to 14 channels HD H.265/H.264 HDMI-to-IP encoding, please kindly find its default IP is 192.168.1.2~192.168.1.15. You can modify the IP address and LAN IP of your home or industry network to get access its network. Attached screenshot is for your reference.

> Set TBS2603/TBS2630 IP address according to your LAN IP. For example, if your LAN IP is 192.168.8.65, TBS2603/TBS2630 IP should be set to 192.168.8.XX ("XX" can be any number ranging from 0 to 254).

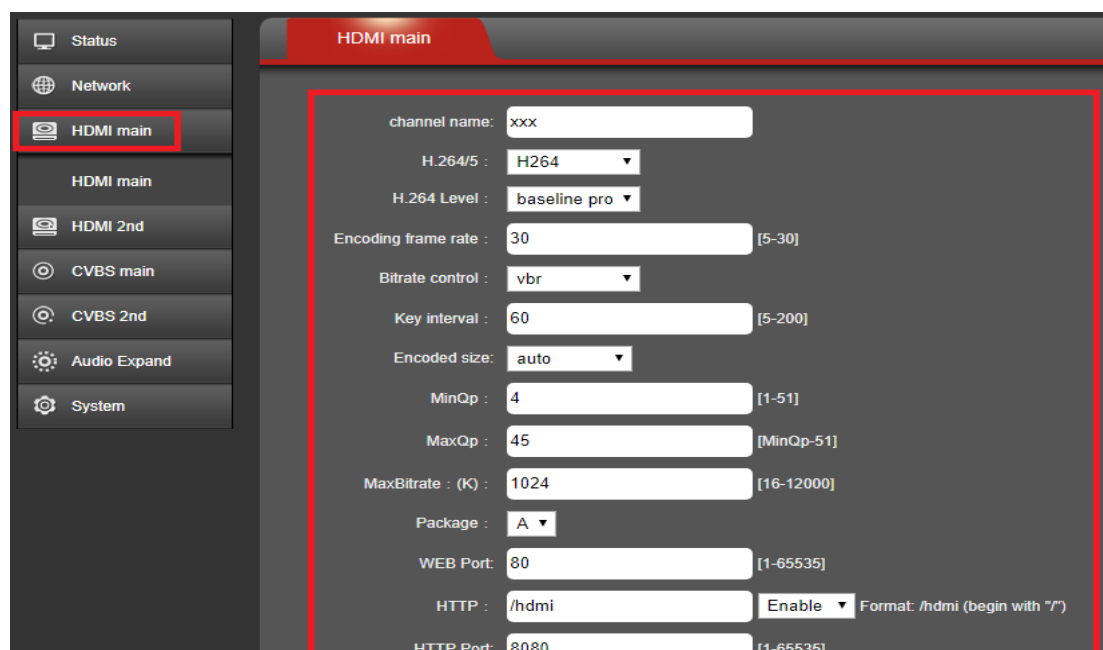
Note: TBS2603/TBS2630 should be in the same Network Segment as your LAN IP.

> Click "Apply" button to save the new setting.



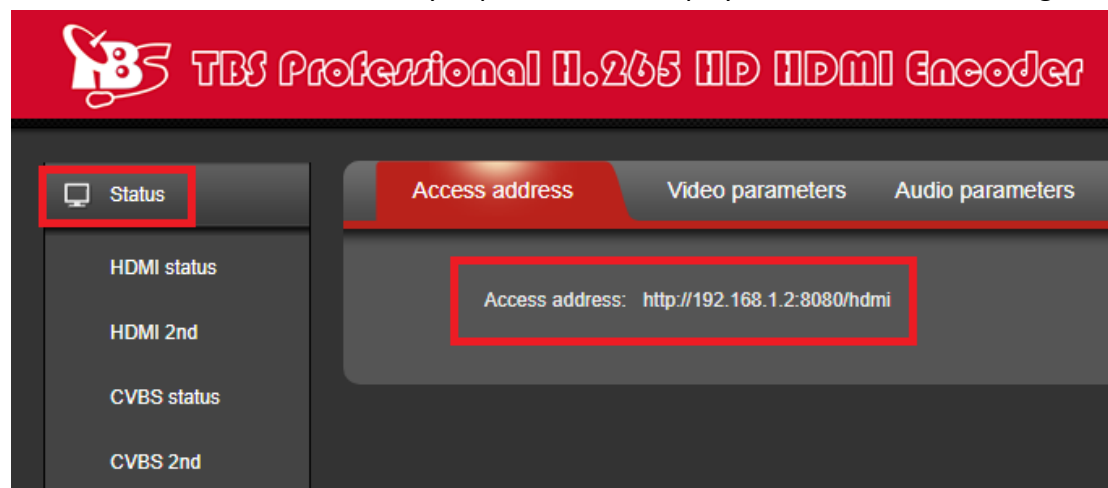
1.2 HDMI Main Stream Setting

It supports both H.264 and H.265. The relative parameters can be set based on your practical application.



1.3 HDMI H.265/H.264 Encoding Outputs

Access Address: It can be directly copied to the VLC player software for decoding.

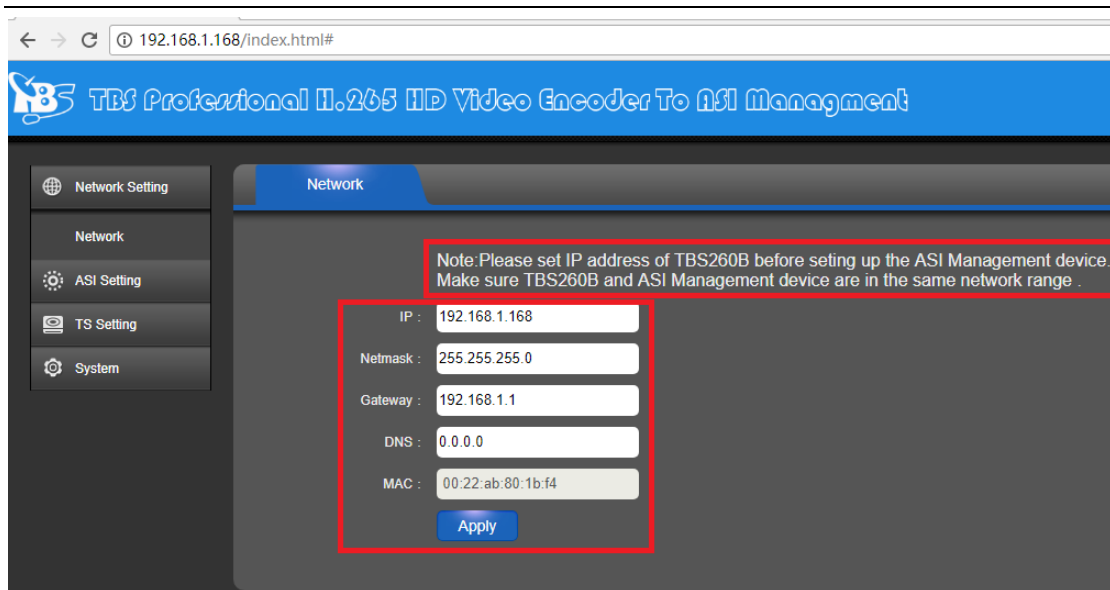


Note: for more details of 1 to 14 channels HD H.265/H.264 HDMI-to-IP settings, please kindly check https://www.tbsiptv.com/download/tbs2603/tbs2603_user_guide.pdf for your reference.

2. IP Address of ASI Management Device

The default IP address of the ASI management device is 192.168.1.168. If you would like to change its IP address, please kindly reset the IP address of the 15th channel TBS260B DVB HD IP to ASI Converter firstly.

Note: Make sure TBS260B and ASI Management Device should be in the same network range.



3. ASI Setting

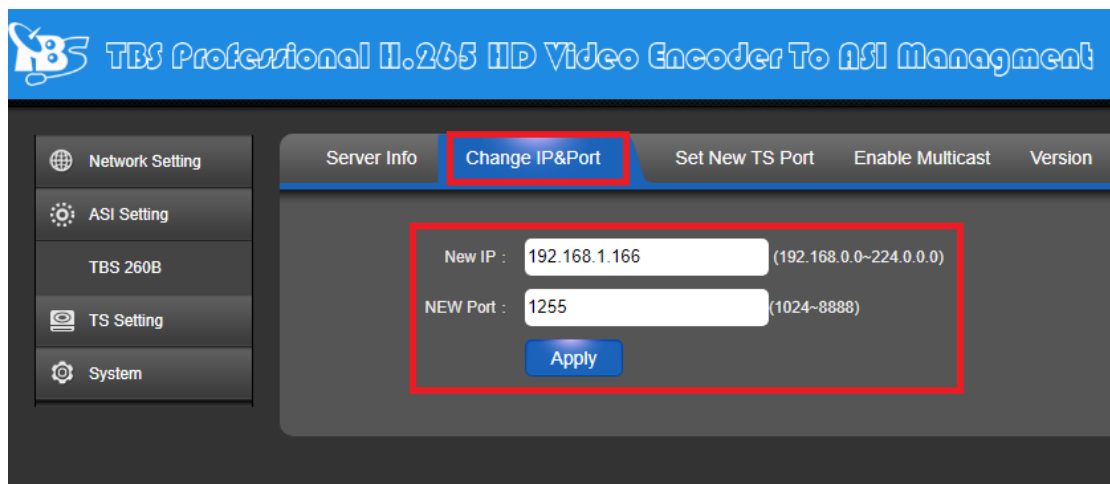
You can easily check the IP address and network port of the 15th channel TBS260B DVB HD IP to ASI Converter as below. Click “ConServer”, and it will pop up “connect server successfully!!” if all are ok.



3.1 Change IP & Port

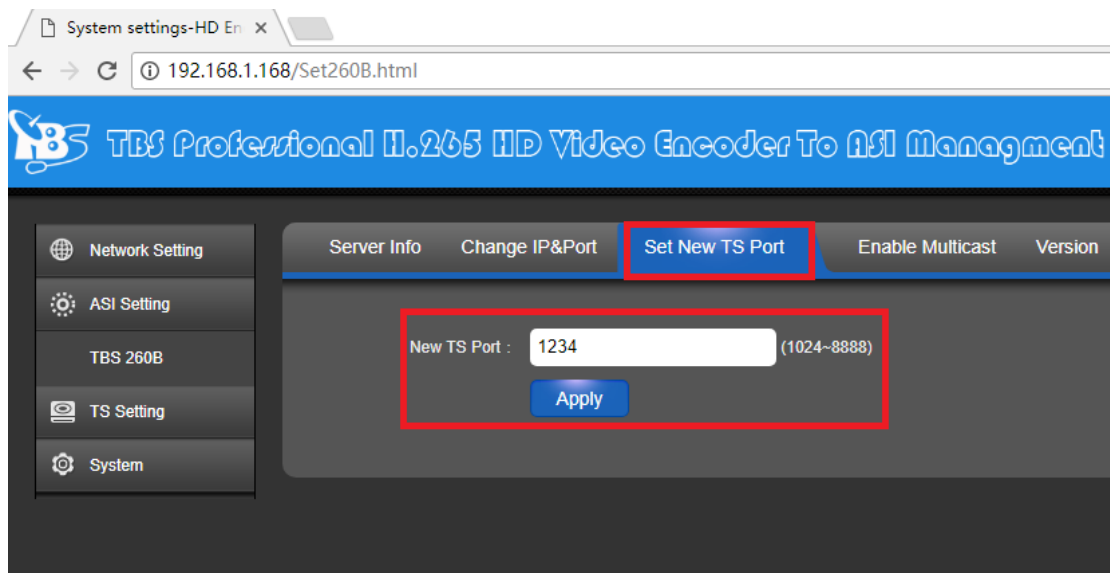
If you want to change the IP address and network port of the 15th channel ASI device, please set new IP and new port as below.

Note: The IP address can be set from 192.168.0.0 to 224.0.0.0. Its network port can be set any number ranging from 1024 to 8888.



3.2 TS Port Setting

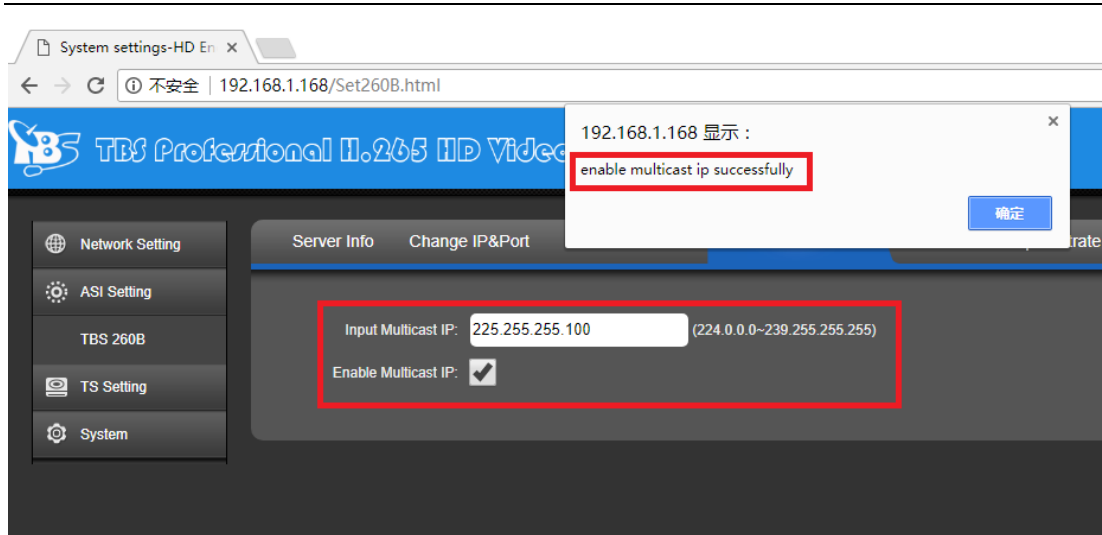
You can set new TS port based on your needs. Kindly see as below.



3.3 Input Multicast IP Setting

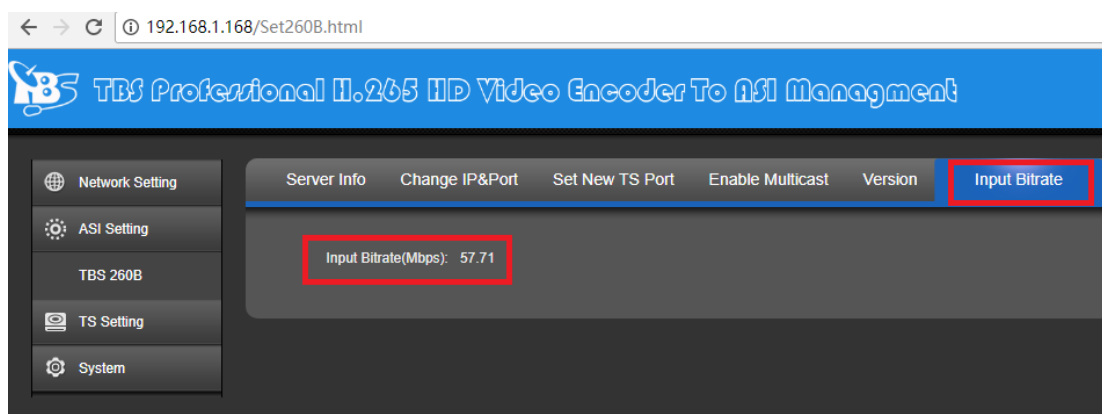
You can input multicast IP based on your needs, and then tick "Enable Multicast IP" is enough.

Note: Muticast IP address should be in a range from 224.0.0.0 to 239.255.255.255.



3.4 Check Working Status of ASI Converter

If "Input Bitrate (Mbps)" is changing constantly, ASI outputs would be ok.



3.5 MB Board Upgrade Settings

If you need to upgrade ASI Master Board's firmware, please kindly contact our support team. We will help you update its firmware successfully.

Step 1: Click button "Choose File" to select the updating file in your computer.

Step 2: Click button "upload" after the file name shown in front of button "upload"

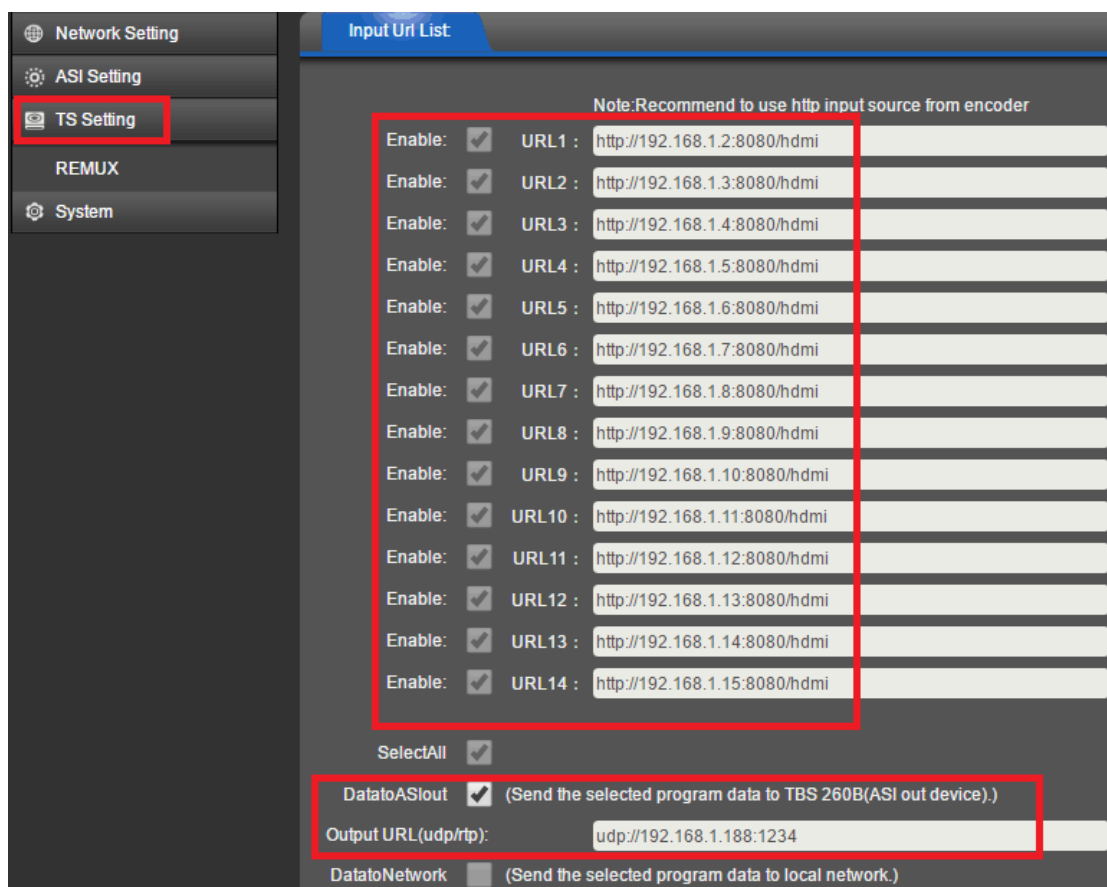
Step 3: If the file is uploaded successfully, you will find a prompt pop up "Successfully uploaded", then please click "OK" to continue.

Step 4: Click button "upgrade" to start software updating. Updating status will be shown during the whole process.



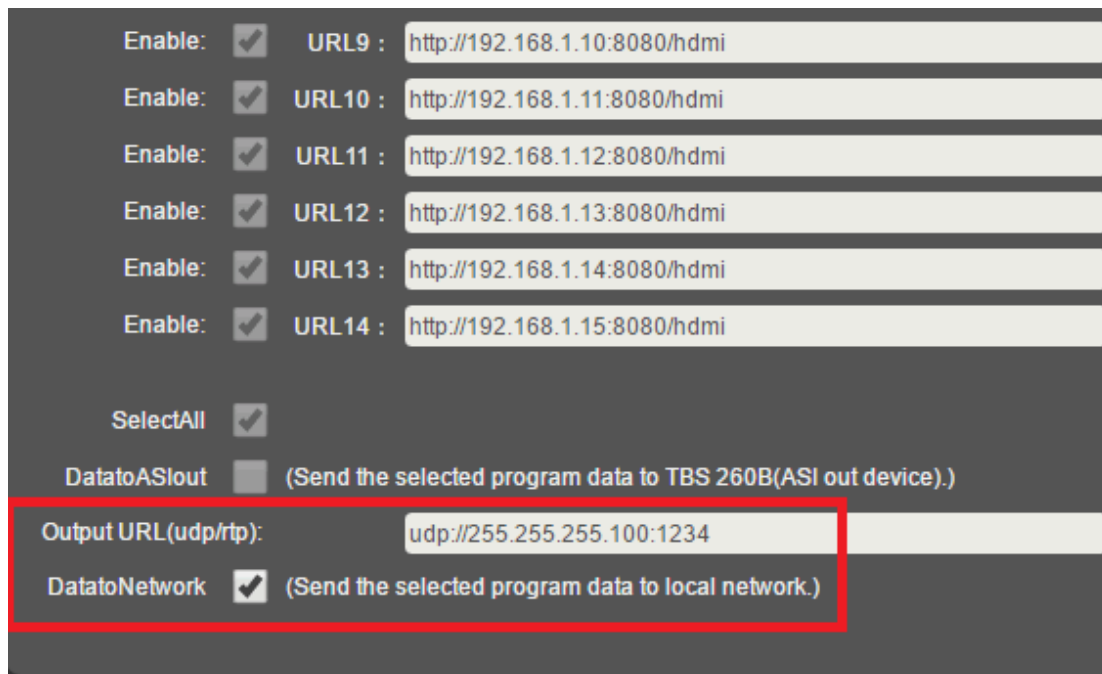
4. TS Setting and Remux

4.1 You need to manually input URL address of all the 14 channels. So please kindly check HDMI H.265/H.264 encoding IP outputs in step 1.3., and then input what you need in "Input URL List". Finally tick "Data to ASI Out" for sending the selected program data to TBS260B output URL "udp://192.168.1.188:1234". You will benefit a lot from remux technology!



4.2 If you need multicast, please kindly do as per instruction of the above steps 3.1 and 3.2, and then input HDMI H.265/H.264 encoding IP outputs your needed programs in TS setting interface.

If you need to unicast to other device, you can change output URL and then send data to network as below.



The screenshot displays a configuration interface for TS settings. It features six rows, each with an 'Enable' checkbox (all checked), a label (URL9 through URL14), and a text input field containing an HTTP URL. Below these is a 'SelectAll' checkbox (checked) and a 'DatatoASlout' checkbox (unchecked) with a descriptive note. A red rectangular box highlights the 'Output URL(udp/rtp):' field, which contains 'udp://255.255.255.100:1234', and the 'DatatoNetwork' checkbox (checked) with its descriptive note.

Enable:	<input checked="" type="checkbox"/>	URL9 :	<input type="text" value="http://192.168.1.10:8080/hdmi"/>
Enable:	<input checked="" type="checkbox"/>	URL10 :	<input type="text" value="http://192.168.1.11:8080/hdmi"/>
Enable:	<input checked="" type="checkbox"/>	URL11 :	<input type="text" value="http://192.168.1.12:8080/hdmi"/>
Enable:	<input checked="" type="checkbox"/>	URL12 :	<input type="text" value="http://192.168.1.13:8080/hdmi"/>
Enable:	<input checked="" type="checkbox"/>	URL13 :	<input type="text" value="http://192.168.1.14:8080/hdmi"/>
Enable:	<input checked="" type="checkbox"/>	URL14 :	<input type="text" value="http://192.168.1.15:8080/hdmi"/>
SelectAll	<input checked="" type="checkbox"/>		
DatatoASlout	<input type="checkbox"/>	(Send the selected program data to TBS 260B(ASI out device).)	
Output URL(udp/rtp):	<input type="text" value="udp://255.255.255.100:1234"/>		
DatatoNetwork	<input checked="" type="checkbox"/>	(Send the selected program data to local network.)	