

## Overview

The FMUSER FUTV4318A-HDMI 8 in 1 MPEG-4 AVC/H.264 HD Encoder is our newest professional HD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 8 HDMI (or SDI) channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format, and also 1 ASI input for re-mux. It can multiplex the ASI input TS and the 8 encoded SPTS to generate a MPTS output with the inserted PSI/SI information. In conclusion, its high integration and cost-effective design make this device widely used in variety of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.

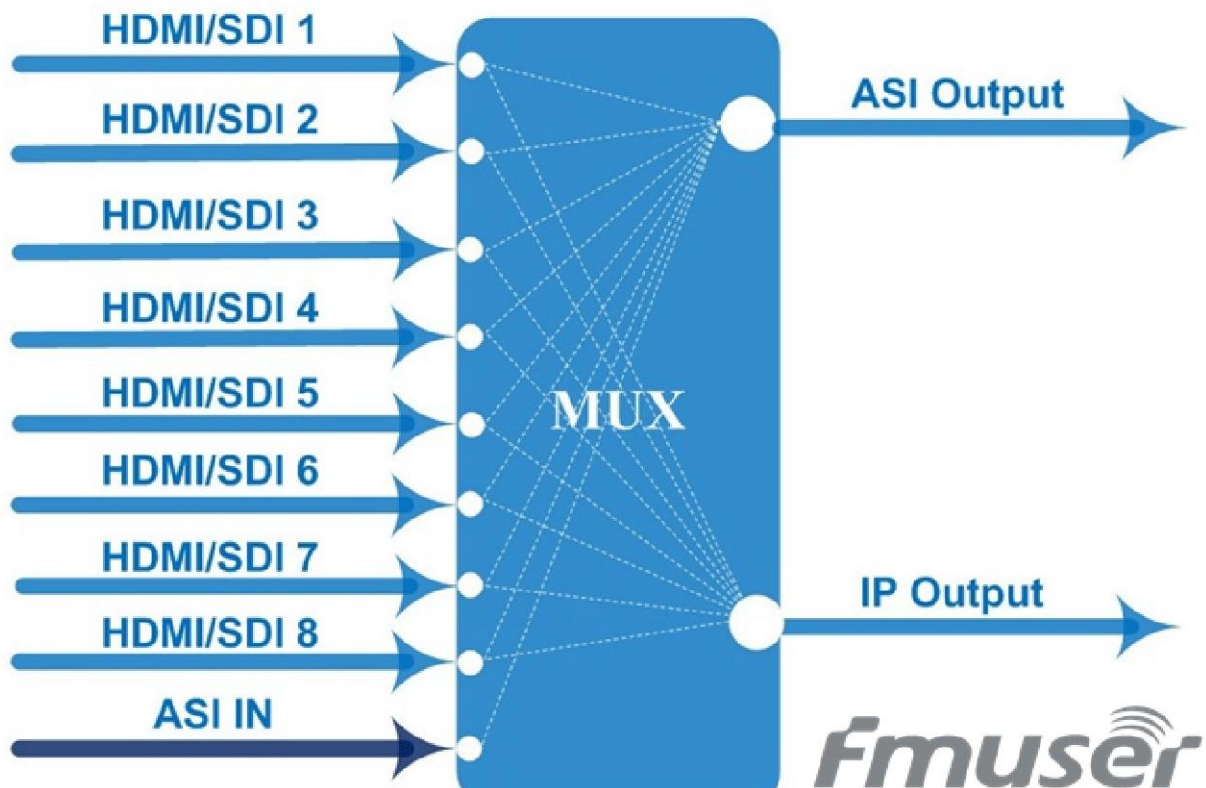


## Features

- \* Support 8 HDMI/SDI channels input & 1 ASI Input
- \* Support H.264/AVC video encoding
- \* Support MPEG1 Layer 2 (HE-AAC (V2), LC -AAC optional) audio encoding
- \* Support PSI/SI editing and inserting
- \* Support VBR/CBR video bitrate mode

- \* Support 720P, 1080I, 1080P HD video format
- \* Support ASI output MPTS or 8 SPTS
- \* Support IP Output MPTS and 8 SPTS
- \* Support IP null packet filter
- \* Real-time output bit-rate monitoring
- \* Update device through NMS port
- \* Support LCD / keyboard operating, and network management (SNMP/Web)

## Principle Chart

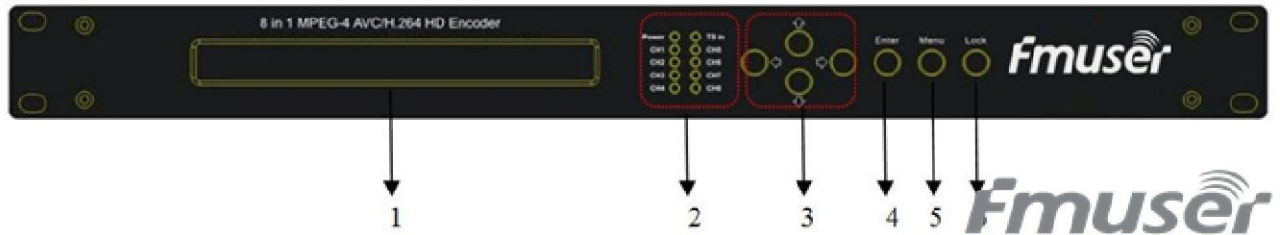


# Specifications

<b>Input</b>	8xHDMI (or SDI) inputs	
	1 ASI input, BNC interface	
<b>Video</b>	Resolution	1920x1080_60P, 1920x1080_50P
		1920x1080_60i, 1920x1080_50i
		1280x720_60P, 1280x720_50P
		720x576_50i, 720x480_60i
	Encoding	MPEG-4 AVC/H.264
	Bit-rate	0.8Mbps~19Mbps (each channel)
	Rate Control	CBR/VBR
	GOP Structure	IBBP
	Advanced Pretreatment	De-interlacing, Noise Reduction, Sharpening
<b>Audio</b>	Encoding	MPEG-1 Layer 2 (HE-AAC V2, LC- AAC Option)
	Sampling rate	48KHz
	24-bit	Resolution
	Bit-rate	64Kbps~384Kbps each channel
<b>Multiplexing</b>	1 ASI input multiplexed with local 8 channels of TS	
<b>Stream output</b>	2*ASI output, BNC interface	
	MPTS and 8 SPTS over UDP/RTP, 1000 Base-T Ethernet interface (unicast / multicast);	
<b>System function</b>	LCD/keyboard operating, net manager (SNMP/Web)	
	Chinese-English control interface	
	Ethernet software & hardware upgrade	
<b>Miscellaneous</b>	Dimension (W× L× H)	440mm×410mm×44.5mm
	Approx weight	4kg
	Temperature	0~45C(work), -20~80C ( Storage )
	Power	AC 100V-220V±10%, 50/60Hz
	Consumption	25W

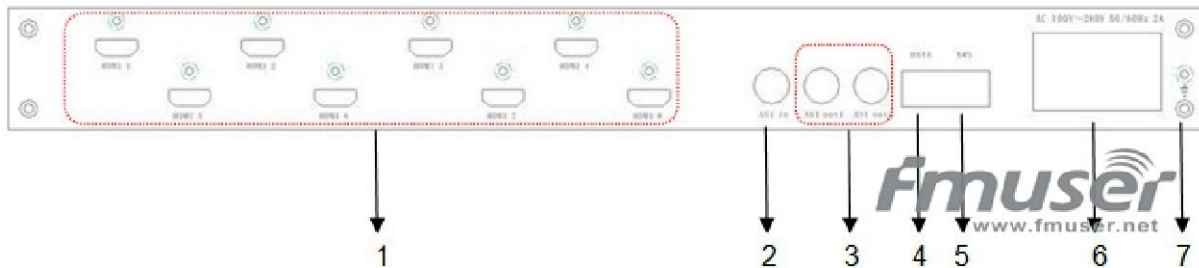
# Appearance and Illustration

## Front Panel Illustration:



1. LCD Screen
2. Indicators: Power Indicator  
TS In: Input Lock Indicator  
CH1-CH8: When the program has been multiplexed, the indicator will be on.
3. UP/ DOWN, LEFT/RIGHT Keys
4. Enter Key
5. Menu Key
6. Lock Key

## Rear Panel Illustration:



1. 8 \* HDMI Input Ports
2. ASI Input Port
3. 2 \* ASI Output Ports
4. Data Port (for IP Signal Output)
5. NMS (Network Management Port)
6. Power Switch and socket
7. Grounding Pole

# Network Management System

SNMP Network management system is applied to digital TV equipment operation, control and management and parameters setting, etc. It centralizes digital TV equipment through network.

**Add Equipment**

IP Address: 192 . 168 . 5 . 18

Port: 2007

Equipment Name: FUTV4318A

Equipment Type: FUTV4318A8in1 MPEG-4 AVC/H.264 HD Encoder

Buttons: OK, Cancel

**FUTV4318A 8in1 MPEG-4 AVC/H.264 HD Encoder**

Parameters | Multiplex | Tables | Realtime Monitor

Pid Filter Table | Pid Pass | NIT Parameters

**NIT Parameters**

Network ID: 0      Network Name:

Insert Private Description

Descriptor Tag(0x): 0      Descriptor Data(0x):

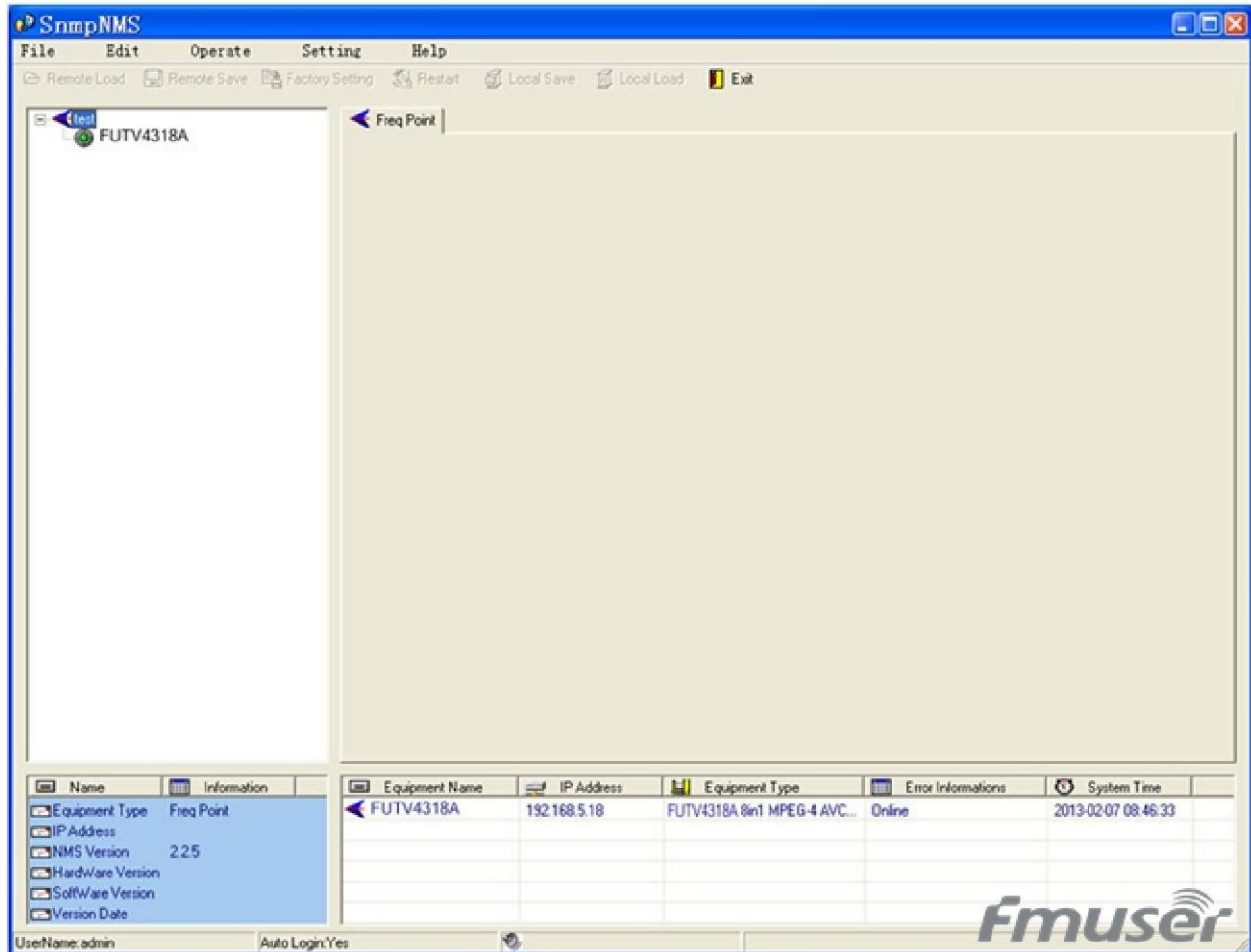
**QAM**

Index	TS ID(0x)	Original Network ID(0x)	Frequency(MHz)	Symbol Rate	Modulation

**QPSK**

Index	TS ID(0x)	Original Network ID(0x)	Frequency(GHz)	Symbol Rate	Polarization

Buttons: Add, Modify, Delete, Get, Set, Add, Modify, Delete



## Packing List

- 1pc \* FUTV4318A 8 in 1 MPEG-4 AVC/H.264 HD Encoder
- 1pc \* User's manual
- 8pcs \* HDMI cable
- 1pc \* ASI cable
- 1pc \* Power cord