

8-HD ENCODER



8-HD Encoder is professional HD audio / video encoding and multiplexing device with integrated **ASI** input and outputs. **8 HDMI** inputs support **MPEG-4 AVC / H.264 / H.265** standards. **8-HD Encoder** can be used both for IP TV (**IP** output MPTS / SPTS) and as a part of head-end station.

The **8-HD Encoder** is applied for professional digital TV broadcasting: can be used both as independent device for IP TV and as a part of head-end station. **8-HD Encoder** encodes HD audio & video channels and can multiplex them with 1 ASI stream (TS) for further transmitting. **8-HD Encoder** has 8 HDMI inputs and both IP and ASI outputs. 8 HDMI inputs support MPEG-4 AVC/H.264 High Profile & Main Profile/H.265. Multiplexing the ASI TS and 8 encoded SPTS **8-HD Encoder** generates MPTS IP/ASI streams with the inserted PSI/SI information.

KEY FEATURES:

- 8 HDMI input + 1 ASI input
- Supports MPEG-4 AVC/H.264 High Profile & Main Profile/H.265
- Supports MPEG1 Layer 2 (HE-AAC (V2) or LC-AAC optional) audio encoding
- TS multiplexing with auto-generated PSI/SI
- Supports VBR/CBR video encoding
- Supports 720P, 1080I, 1080P HD video format
- MPTS or 8 SPTS ASI and IP outputs
- IP null packet filter
- PID filter and transparent transport
- Real-time output bitrate monitoring
- LCD + keyboard on the front panel + web management user interface

Digital video & audio input

**Number of inputs,
connector type**

8 x HDMI (Type A receptacle)

ASI transport stream input

**Number of inputs,
connector type**

1 x ASI input

Standard and data format

DVB-ASI

ASI TS multiplexing output

**Number of outputs,
connector type**

2 x ASI, BNC female, 75 Ω

Standard and data format

DVB-ASI

PSI processing

PAT, PMT, NIT Insertion

Video encoding

Encoding format

MPEG-4 AVC/H.264: HP@L4.0

Resolution and frame rate

1920x1080p/i@60/50 fps, 1280x720p/i@50/60 fps,
720x576i@50/60 fps

Aspect ratio

1:1, 4:3 or 16:9

**Video encoding rate and
mode**

0.8 to 19 Mbps each channel, CBR, VBR

Video processing

De-interlacing, noise reduction, sharpening

Audio encoding

Encoding standards

MPEG-1 Layer 2, HE-AAC (V2), LC-AAC

Audio mode

Stereo or Mono

Audio sample rate	48 kHz
Audio encoding rate	64 to 384 kbps
Network management	
Interface and connector type	1 x 100/1000 Base-T Ethernet, RJ-45
Management	Web-interface
Miscellaneous	
Front panel	LCD with 7 control buttons, 10 x dual color LED for status indications of power, work and alarm
Rear panel	1 x Power supply receptacle (AC Input), 1 x Power switch
Power supply	
Input Voltage	110-240 VAC, 50/60Hz
Power Consumption	25W (max)
Environmental	
Operating Temperature	0 to 45 (32 to 113)
Storage Temperature	-20 to 80 (-4 to 176)
Operating Humidity	90%, non-condensing
Mechanical	
Dimensions (W x H x D)	1RU: 440mm x 44.5mm x 410mm, 17.3'' x 1.73'' (1RU) x 16.1''
Weight	4Kg (8.8 lbs)

Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters

listed on each device webpage.

Note! All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were

not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.