

## 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

<b>Number of inputs, connector type</b>	8 x HDMI (Type A receptacle)
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### ASI transport stream input

<b>Number of inputs, connector type</b>	1 x ASI input
<b>Standard and data format</b>	DVB-ASI

### ASI TS multiplexing output

<b>Number of outputs, connector type</b>	2 x ASI, BNC female, 75 $\Omega$
<b>Standard and data format</b>	DVB-ASI
<b>PSI processing</b>	PAT, PMT, NIT Insertion

### Video encoding

<b>Encoding format</b>	MPEG-4 AVC/H.264: HP@L4.0
<b>Resolution and frame rate</b>	1920x1080p/i@60/50 fps, 1280x720p/i@50/60 fps, 720x576i@50/60 fps
<b>Aspect ratio</b>	1:1, 4:3 or 16:9
<b>Video encoding rate and mode</b>	0.8 to 19 Mbps each channel, CBR, VBR
<b>Video processing</b>	De-interlacing, noise reduction, sharpening

### Audio encoding

<b>Encoding standards</b>	MPEG-1 Layer 2, HE-AAC (V2), LC-AAC
<b>Audio mode</b>	Stereo or Mono

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