16-HD ENCODER V2.0



16-HD Encoder v2.0 is professional HD audio / video encoding and multiplexing device with integrated re-multiplexer with **HDMI, ASI** and **IP** inputs and **ASI** and **IP** outputs. 16-HD Encoder v2.0 supports **H.264 / H.265 codecs**. 16-HD Encoder v2.0 can be used both for IP TV (IP output MPTS / SPTS) and as a part.

The **16-HD Encoder v2.0** 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. **16-HD Encoder v2.0** encodes HD audio & video channels and can multiplex them with **independent** 2 ASI stream (TS) for further transmitting, in addition can be prepared 4 MPTS totally for several IP output or ASI output transport streams. **16-HD Encoder v2.0** has 16 HDMI and 2 ASI inputs and both IP and ASI outputs. 16 HDMI inputs support H.264/H.265 High, Baseline & Main Profile codecs. Integrated multiplexer (with autoremaping function) of **16-HD Encoder v2.0** generates MPTS IP/ASI streams with the inserted PSI/SI information of DVB standard.

This high-definition audio and video encoder supports input video resolutions up to 1080p 60fps through built-in 16 HDMI inputs, has 1 IP (MPTS and SPTS streams through the same connector) and 2 independent ASI outputs.
Each encoding channel supports H.264/H.265(HEVC) Baseline/Main/High Profilee.
Using our **16 channel HD Encoder v2.0** you obtain both user-friendly web-management (control by IP) and useful up-to-date device which key features and parameters are listed below.

KEY FEATURES:

- 16 HDMI and 2 ASI inputs + 2 ASI outputs
- Supports H.265 and H.264 High, Baseline & Main Profile codecs

- Supports MPEG-1 / LC-AAC / HE-AAC (v1 and v2) audio encoding
- TS multiplexing with auto-generated PSI/SI
- Supports VBR/CBR video encoding
- Supports 1920 x 1080 / 1280 x 720 / auto resolutions
- MPTS or 16 SPTS IP outputs and 2 independent ASI outputs
- Web management user interface

Inputs	
Number of video channels, interface	16, HDMI
Number of TS channels, interface, connector	2, ASI, BNC-type
Video	
Input video resolution	1920×1080p 60, 1920×1080p 50 1920×1080i 60, 1920×1080i 50 1280×720p 60, 1280×720p 50 720×576i 50, 720×480i 60
Video encoding	MPEG-4 AVC/H.264 Baseline/Main/High Profile HEVC/H.265 Baseline/Main/High Profile
Bit rate modes	CBR
Video bit rate range per channel	1-13 Mbit/s
GOP structure	IPPP
Audio	
Audio encoding:	MPEG-1 Layer 2, LC-AAC, HE-AAC v1 (AAC LC + SBR), HE-AAC v2 (AAC LC + SBR + PS)

Bit-rate	48 kbps, 64 kbps, 128 kbps, 192 kbps, 256 kbps, 320 kbps, 384 kbps
Audio gain	0-255
Multiplexing	
Multiplexing processing	PSI/SI insertion and editing PCR correction PID auto-remapping and manual editing
Maximum PID remapping	180 output PIDs per channel
Outputs	
Number of ASI outputs, connector	2, BNC-type
IP output channels, connector	1 channel MPTS / 16 channels SPTS, 1000base-T Ethernet interface (unicast/multicast)
Supply	
Environment	0~45 (work) -20~80 (storage)
Supply voltage, power	AC 100...240V, 50/60Hz

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.*