



HP600-8A Audio Encoder

The HP600-8A audio encoder enables simultaneous encoding and multiplexing of 8 channels of analog stereo or 8 channels of digital AES/EBU audio within a 1RU chassis . It supports 8 SPTS/1 MPTS outputs, 2 ASI outputs, and 2 independent gigabit network ports that serve as backup IP outputs for each other .

Features

- Dual power supply configuration
- Supports flexible combinations of different types of modules
- Supports 8-channel XLR/8-channel AES-EBU
- Supports 2-channel ASI output
- Supports 100/1000M auto-sensing IP output
- Supports unicast and multicast output, and can be configured across network segments.
- Web-based network management based on B/S architecture .
- The user-friendly interface and easy-to-use menu system allow all operations to be performed on the LCD screen.

Application Scope

- Digital television front-end equipment.
- Digital TV interface converter, facilitating interchange between different interfaces on various devices.
- Video on demand (VOD), IPTV .
- Broadcast monitoring, etc.

Technical parameters

Audio encoding board	
Input Interface	8x mini XLR digital audio output, 8x mini XLR analog stereo input (balanced input)
audio format	MPEG-1 Layer II / MPEG-2 Layer2/3/MPEG-2 AAC-LC / MPEG-2 HE-AAC/MPEG-4 AAC-LC / MPEG-4 HE-AAC / MPEG-4 HE-AAC V2
sampling frequency	48kHz, 44.1kHz, 32kHz
Output bitrate	32Kbps ~ 448Kbps
Amplitude-frequency characteristics	Within $\pm 0.5\text{dB}$
Harmonic distortion	$< 0.01\%$
Level difference	$< 0.05\text{dB}$
Signal-to-noise ratio	$\geq 70\text{dB}$
Output interface	
ASI output	2 × BNC connector 75 Ω
ASI Input	2 × BNC connector 75 Ω
Implementation Standards	DVB-ASI , EN50083-9
VPP	800 mV $\pm$ 10%
IP output	2x 100 0 Base-T , 1xMPTS, 8xSPTS
Local and remote management	
interface	1 × RJ-45 , 10/100 Base-T managed interface
Remote control	HTTP Web
Local control	Front panel buttons and LCD controls

Equipment upgrade	IP
Physical Specifications	
volume	450* 350 *44mm
weight	Net weight 5 KG
power supply	AC 90V ~ 250V , 50/60Hz
Operating temperature	-10 ~ 55 °C
Storage temperature	-25 ~ 85 °C
humidity	10 ~ 95 % (non- condensing)

Audio encoding model

HP600-2A	HP600-4A	HP600-6A	HP600-8A
2xXLR/2xAES-EBU	4xXLR/4xAES-EBU	6xXLR/6xAES-EBU	8xXLR/8xAES-EBU