

H-2A-ENC

Dual Audio Encoder

Analog & AES/EBU to ASI and IP

- 2-Channel Audio Encoding
- ASI & IP Output
- Broadcast Ready
- Reliable Performance



Overview

The H-2A-ENC is a professional dual audio encoder supporting balanced analog and AES/EBU digital audio inputs, one ASI input for multiplexing, two ASI outputs, and a Gigabit IP output. It is designed for digital broadcasting, cable TV, IPTV, and professional A/V systems.

Features

- 2 audio encoding channels
- MPEG1 Layer 2 and AAC encoding
- Supports left, right, and stereo encoding (AAC: stereo only)
- Adjustable audio gain: -12 to +12 dB
- Analog balanced audio inputs (XLR)
- AES/EBU digital audio inputs (XLR)
- One ASI input for multiplexing
- Two ASI outputs (BNC) - MPTS/SPTS1/SPTS2
- IP output over UDP/RTP (unicast / multicast)
- Front-panel LCD and control buttons
- Web GUI management
- Single power supply standard; optional dual power supply (hot-swappable)

Applications



Broadcast Headends



IPTV Systems

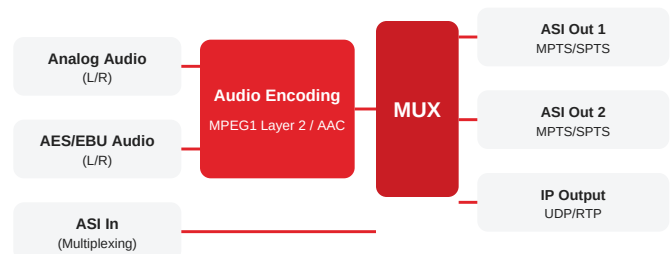


Hospitality TV



A/V Distribution & Live Events

Principle Diagram



Specifications

Input	Analog balanced audio	XLR interfaces
	AES/EBU digital audio	XLR interfaces
	ASI input	1 x BNC
Encoding	Format	MPEG1 Layer 2, AAC
	Sample rate	48 kHz
	Sample accuracy	16 bit
Multiplexing	Bit rate	64/96/128/192/256/320/384 kbps
	Sound track	Left, right, stereo (AAC: stereo only)
	Maximum PID number	64
Output	ASI outputs	2 x BNC - MPTS/SPTS1/SPTS2
	IP output	UDP/RTP, 100M/1000M RJ45
System	Local interface	LCD and control buttons
	Remote management	Web GUI
	Upgrade	Ethernet software upgrade
General	Dimensions (W x D x H)	482 x 350 x 44 mm
	Weight	Approx. 3.2 kg
	Operating temperature	0 to 45 C
	Storage temperature	-20 to 80 C
	Power requirements	AC 100-240 V, 50/60 Hz
	Power consumption	< 15 W