

H-2A-ENC

Dual Audio Encoder

Analog & AES/EBU to ASI and IP



Overview

The H-2A-ENC is a professional dual audio encoder that supports analog balanced audio and AES/EBU digital audio inputs, with one ASI input for multiplexing, two independent ASI outputs, and a gigabit IP output. Its high compatibility and excellent encoding quality make it ideal for use in digital broadcasting, cable TV, IPTV, and professional A/V systems.

Features

- 2 audio encoding channels
- MPEG1 Layer 2 and AAC encoding
- Support left, right, stereo encoding (AAC is only for stereo)
- Adjustable audio gain: -12 ~ +12 dB
- Analog balanced audio inputs (XLR)
- AES/EBU digital audio inputs (XLR)
- One ASI input for multiplexing
- Two independent ASI outputs (BNC) – Mirror out of MPTS/SPTS1/SPTS2
- IP output over UDP/RTP (unicast / multicast)
- Front panel LCD and control buttons
- Web GUI management (English and Chinese)
- Dual power supply (hot-plugging) or single power supply (optional)

Applications



Broadcast Headends



IPTV Systems

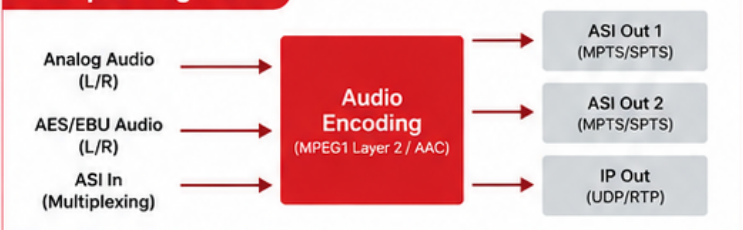


Hospitality TV



A/V Distribution and Live Events

Principle Diagram



Specifications

Input	Analog balanced audio	XLR interfaces
	AES/EBU digital audio	XLR interface
	ASI input	1 × BNC interface
Encoding	Encoding format	MPEG1 Layer 2, AAC
	Sample rate	48 KHz
	Sample accuracy	16 bit
	Bit-rate	64/96/128/192/256/320/384 kbps
Multiplexing	Sound track	Left, right, stereo (AAC is only for stereo)
	Maximum PID number	64
Output	ASI outputs	2 × BNC (Mirror out of MPTS/SPTS1/SPTS2)
	IP output	UDP/RTP (unicast/multicast), 100M/1000M self-adaptive RJ45
System	Local interface	LCD and control buttons
	Remote management	Web GUI
	Language	English and Chinese
	Upgrade	Ethernet software upgrade
General	Dimensions (W × D × H)	482 × 350 × 44 mm
	Weight	About 3.2 kg
	Operating temperature	0 ~ 45 °C
	Storage temperature	-20 ~ 80 °C
	Power requirements	AC 110V ±10%, 50/60Hz AC 220V ±10%, 50/60Hz
	Power consumption	< 15 W