HP824SA Multi-Channel SD H.264 Encoder
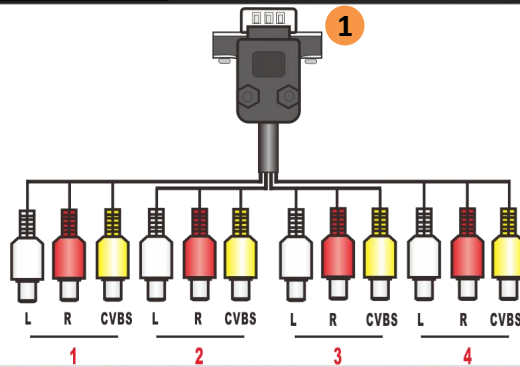
*6=24 Channels

Logo/OSD/QR Code Insertion

Welcome to ABC Hotel!

Product Overview

CATCAST HP824SA multi-channel encoder is our newest professional SD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 8/16/24 CVBS channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format. It can multiplex the 8 encoded TS to generate a MPTS and 8 SPTS output through GE output port and one MPTS output through 2 ASI output ports. It adopts the slot structure with one device supporting maximum 3 HP824SA modules. Each module can work standalone. In conclusion, its high integration and cost-effective design make this device widely used in variety of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.

Key features

- **8/16/24×CVBS video inputs with MPEG4 AVC/H.264 Video encoding**
- **Supports PAL and NTSC SD video formats**
- **Support MPEG1 Layer II Audio encoding and support audio gain adjustment**
- **Support 1 MPTS out through 2 ASI output ports**
- **Support IP output over UDP and RTP**
- **Support Null PKT Filter(only for MPTS, SPTS output without Null PKT)**
- **Support LOGO, Caption, QR code insertion**
- **Real-time effective encoding output bit-rate monitoring**
- **Control via web management, and easy updates via web**
- **Modular design,1U chassis support up to 3 modules**

Principle Chart (per daughter module)
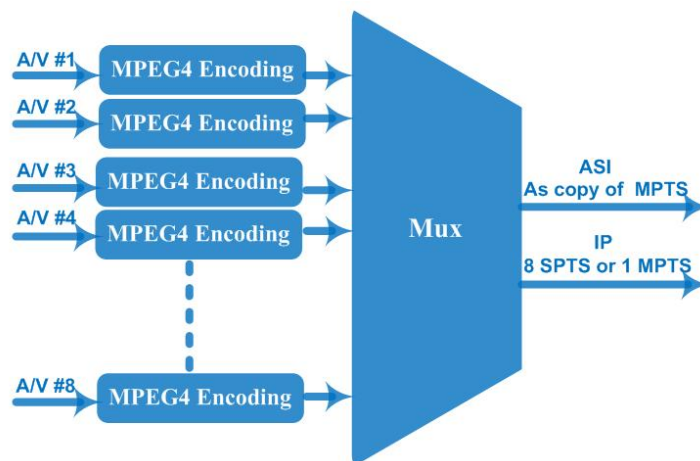
Technical specification

Input	8/16/24 CVBS inputs , RCA interface	
Video	Resolution	720×576i, 720×480i,
	Encoding	MPEG4 AVC/H.264
	Bit-rate	1Mbps~7Mbps each channel
	Rate Control	CBR/VBR
	GOP Structure	IPP
Audio	Encoding	MPEG-1 Layer 2
	Sampling rate	48KHz
	Resolution	24-bit
	Audio Gain	0-255 adjustable
	Bit-rate	64/128/192/224/256/320/384Kbps each channel
Stream output	IP (1*MPTS and 8*SPTS) output over UDP and RTP, 1000 Base-T Ethernet interface (multicast)	

System function	1 MPTS output through 2 ASI output ports (one for back up), BNC interface	
	Network management (WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension(W×L×H)	482mm×328mm×44mm
	Approx weight	5kg
	Environment	0~45℃(work)；-20~80℃（Storage）
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

Order Information

	Version I	VersionII	VersionIII
8 CVBS Input	◯		
16 CVBS Input		◯	
24 CVBS Input			◯