

# HP824A 4-in-1 MPEG-2/H.264 HD Encoder



## Product Overview

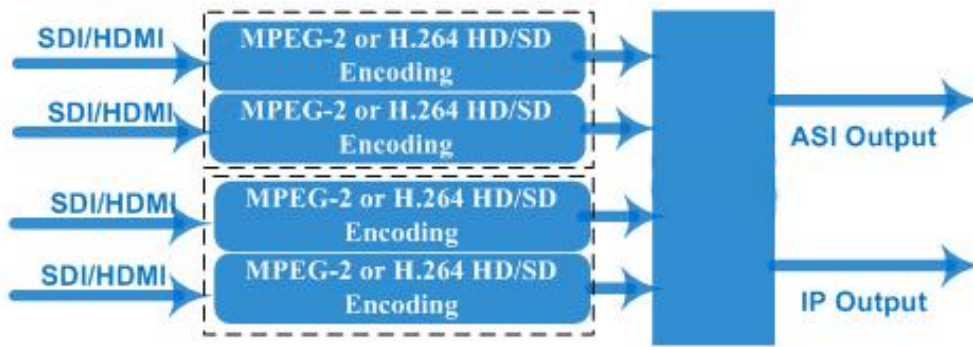
HP824A 4-in-1 MPEG2/H.264 HD Encoder are CATCAST's new professional HD audio & video encoding device with powerful functionality. It has equipped with 4 HD-SDI or 4 HDMI channels input supporting MPEG-2 and MPEG-4 AVC/H.264 video encoding and MPEG-1 Audio layer 2, LC-AAC, HE-AAC and DD AC3 audio encoding. The 4 encoded programs will output through ASI and IP ports in MPTS or SPTS.

It adopts inner drawer-type structural design which greatly facilitates the change of encoding modules if needed..

## Key Features

- \* **Dual power supply**
- \* **MPEG2 HD/SD & MPEG4 AVC/H.264 HD/SD video encoding**
- \* **MPEG1 Audio Layer 2, LC-AAC, HE-AAC and AC3 audio encoding**
- \* **Support dialog normalization (applicable for DD AC3)**
- \* **4\*HD-SDI or 4\*HDMI input**
- \* **Support VBR/CBR rate control mode**
- \* **Support CC (closed caption) EIA 608 & EIA 708 for HD-SDI input**
- \* **Support Low Latency function**
- \* **Support PSI/SI editing and inserting**
- \* **Supports IP null packet filter**
- \* **ASI output, IP (MPTS & 4 SPTS) output over UDP, RTP**
- \* **LCD display, Remote control and firmware**
- \* **Web-based NMS management; Updates via web**

## Principle Chart



## Technical Specifications

### Encoding Section

#### Video

Encoding	MPEG2 & MPEG4 AVC/H.264
Input	HD-SDI*4 or HDMI*4
Resolution	1920*1080_60P, 1920*1080_50P, (-for MPEG4 AVC/H.264 only) 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P 720*480_60i, 720*576_50i
Bit Rate	0.5~19.5Mbps for H.264 encoding 1~19.5Mbps for MPEG-2 encoding
Rate Control Mode	CBR/VBR
Chroma Sample	4:2:0
Aspect Ratio	16:9, 4:3

#### Audio

encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 (2.0)
Dialog Normalization (Applicable for DD AC3 encoding only)	-31 ~ -1 dB
Sample rate	48KHz
Bit rate	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps

#### System

Local interface	LCD + control buttons
Remote management	Web NMS
Low Latency Mode	Normal, mode 1, mode 2
output	2*ASI out (BNC type); IP (1 MPTS & 4 SPTS) over UDP, RTP (RJ45, 100M)
NMS interface	RJ45, 100M
Language	English

**General**

Power	AC 100V~240V, 45W
Dimensions	482*400*44mm
Weight	4.5 kg
Operation temperature	0~45°C