

*“In today’s fast-paced, market, Digital television is a new way to broadcast the future. Digital Set Top Boxes have become a key component allowing people to access many services offered by the cable operator”*

## MPEG-2 Encoders

### Single MPEG-2 Digital Encoder AD-1834

#### AD-1834 MPEG-2 Compact Encoder

AD-1834 MPEG-2 compact encoder, which is DVB standard, encodes four Audio/Video signals of analog signals into MPEG-2 real-time transporting stream (TS).

The original analog signals can be PAL/NTSC. The output interface is ASI for DVB standard. Various interfaces including DVB and telecommunication could be used in the AD-1834 for different types of networks such as HFC, MMDS, 8GHz microwave system, PSTN, SDH. Therefore, AD-1834 supports digital TV, high quality video supervision, video conference; remote education etc. The AD-1834 can be managed remotely via Internet.

#### Audio/Video input interface

Composite video signal: 1.0Vp-p, 75Ω, 27MHz (sample frequency), connector type: BNC

S-video 0.28Vp-p, 75Ω, 13.5MHz (sample frequency), connector mini-DIN4

YUV: Y=1.0Vp-p, U.V=0.7Vp-p, 75Ω, 13.5MHz (sample frequency), connector type: BNC (optional)

Audio signal: 2V, 600Ω, 32/44.1/48KHz (sample frequency), connector XLR (balance)

#### SDI interface (optional)

Connector: BNC

Impedance: 75Ω

Standard: Up to SMPTE 259M-C

#### Network interface

Ethernet interface: TCP/IP - RJ45 interface

#### Features

- MPEG-2 Standard.
- Support the multiplex of MPEG-2 TS.
- Generate PSI/SI information generation.
- Four independent A/V input interfaces
- Four independent A/V encoding interfaces
- Output 1~4 stereo multiplexed TS independently
- Working under the environment of various video and audio TS combination
- Remote control.

WE IDENTIFY THE BEST TECHNOLOGIES TO FIT YOUR GOALS AND BUDGET. WE THEN ENSURE THOSE TECHNOLOGIES CONTINUE TO WORK WELL INTO THE FUTURE.

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## Technical specification

### Technical specifications MPEG-2 compact encoder

- Standard: ISO 13818(MPEG-2)
- W/H: 4:3, 16:9, support MPEG-2 frame/field motion estimation and DCT
- Output bit rate: 1.5-15Mbps
- DC precision: 8-11 bits
- GOP structure: I, IP, IPB
- Compact ratio: 4:2:0
- Audio: MPEG layer 2, CD quality
- Pattern: TS up to DVB standard

### Resolution

Standard CCIR601: Compatible to 1/2D1, 2/3D1, 3/4D1, Full D1etc.  
PAL: 720 \* 576 maximum  
NTSC: 720 \* 480 maximum

### Physical characteristics

Dimension: 44.5mm (1U)\*483mm\*(19")\*400mm  
Weight: 4kg

### Power supply

AC100-220V+10\_-50/60Hz -20W

### Working Temperature

Operation: 0 – 40C°  
Storage: -20 - 80 C°

