

## ADV-2800EC

8-Channel MPEG-2 SD Encoder  
with built-in multiplexer

CVBS and ASI inputs  
IP and ASI outputs

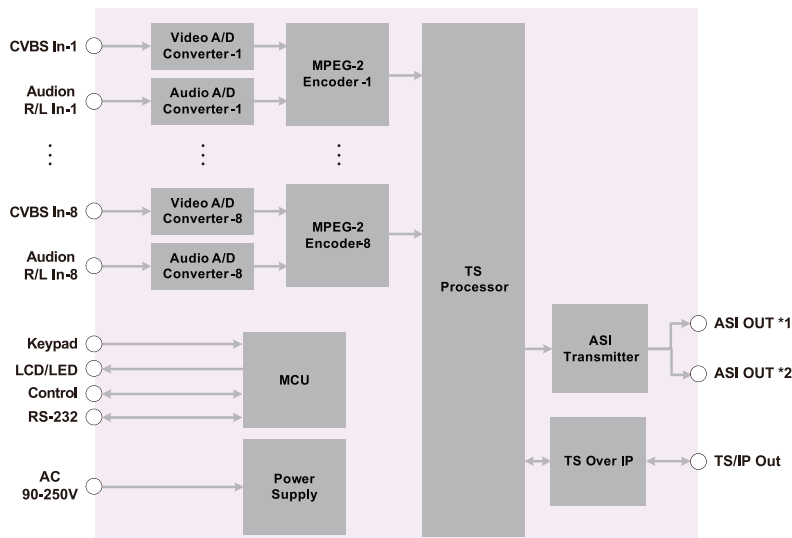
ADV-2800EC is an integrated 8-way high density MPEG-2 Encoder. Eight ways of Standard Definition (SD) base band real time A/V programs could be encoded simultaneously. These streams encoded could be re-multiplexed with the stream from its ASI input port. The final re-multiplexed Transport Stream (TS) is available at its Gigabit TSoverIP port and ASI output port.



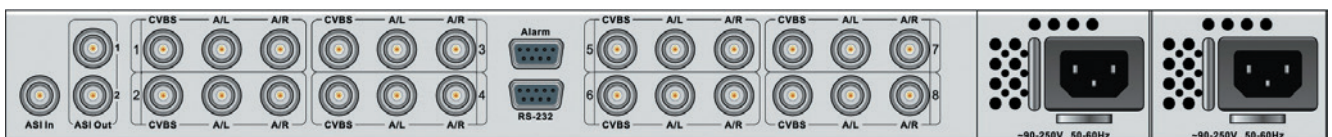
### Main Features

- Complies with MPEG-1 (ISO/IEC11172), MPEG-2 MP@ML (ISO/IEC13818)
- 8-way encoder with re-multiplexed integrated
- 1 ASI input (for daisy chain) & 1 ASI output
- Full duplex Gigabit TS over IP
- Video resolutions: 576i (PAL, SECAM) & 480i (NTSC)
- SNMP & HTTP WEB
- Redundant Power Supplies
- 19" x 1 U EIA standard chassis

### ADV-2800EC Block Diagram



### Back Panel Interface



## Specifications

<b>Video input &amp; Encode</b>		Effective Data Rate	1.5 Mb/s~70 Mb/s
Number of input ports	CVBS x 8	Data Transfer type	Byte
Encoding Standard	MPEG-2 MP@ML	Packet Length	188 or 204 Bytes
Chrominance Format	4:2:0	Signal Level	800±80mV
Compression Bit Rate	1.5Mbps~10Mbps	<b>Gigabit TS_over_IP</b>	
Main Video Resolutions & Recommended	480i(720x480)@29.97Hz: SMPT656M: 3~6Mb/s	Standard	IEEE 802.3, 10/100/1000 Base-T, Full Duplex
Compression Bit Rates	576i(720x576)@25Hz: SMPT656M: 3~6Mb/s	Maximum Effective Bit Rate	80Mb/s
Other Video Resolutions	Half D1,SIF,QSIF	Data Protocol	UDP or RTP, SPTS or MPTS
<b>Audio Input &amp; Encode</b>		Control Protocol	ICMP, ARP, IGMPv2
Number of input ports	8 pairs of Stereo Audios	<b>Interfaces on Rear Panel</b>	
Compression Standard	MPEG1 Layer I	ASI In	1 x BNC Female, 75Ω
	MPEG1 Layer II	CVBS In	8 x BNC Female, 75Ω
Sampling Rate	32KHz, 44.1KHz, 48KHz	AUDIO In	8 x BNC Female, 75Ω
Compression Bit Rate	MPEG1 Layer I: 64~256Kb/s	ASI Out	2xBNC Female, 75Ω(1 Backup)
	MPEG1 Layer II: 32~384Kb/s	<b>Interfaces on Front Panel</b>	
<b>DVB-ASI Input</b>		Control	1xRJ-45, 10/100 Base-T
Interface	BNC Female, 75Ω	TS/IP	1x IP (GbE), RJ-45, 10/100/1000 Base-T, Full Duplex
Maximum Input Bit rate	100 Mb/s	Display	2 x 20 LCD Display
Data Transfer type	Byte	<b>Others</b>	
Packet Length	188 or 204 Bytes	Power Supply	AC90~260V 50/60Hz
Signal Level	200 ~ 880mVp-p	Operating Temperature	0 ~ 45°C
<b>DVB-ASI Output</b>		Storage Temperature	-10 ~ 60°C
Interface	BNC Female, 75Ω	Operating Humidity	10~90%, non-condensed

## ORDERING INFORMATION

**ADV-2800EC** - 8-Channel MPEG-2 SD Encoder with built-in multiplexer