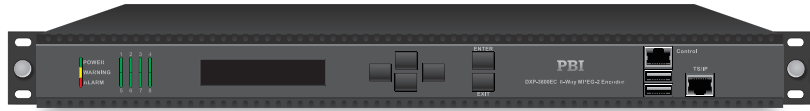


DXP-3800EC

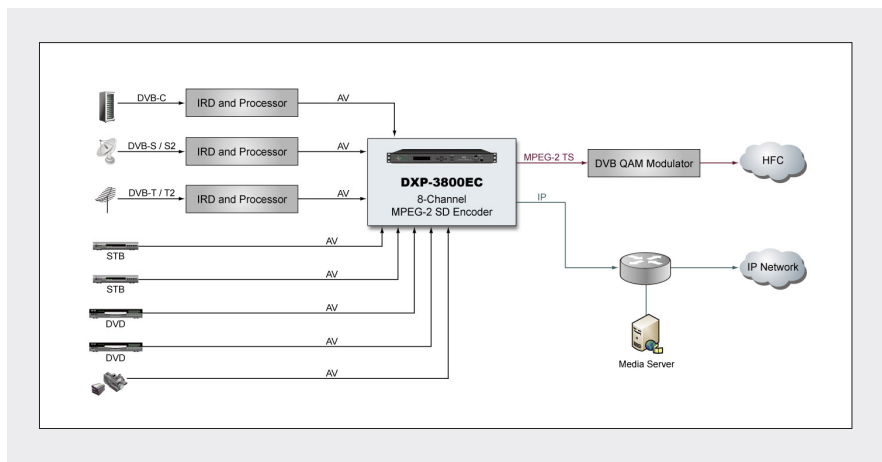
8-Channel MPEG-2 SD Encoder

DXP-3800EC 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.

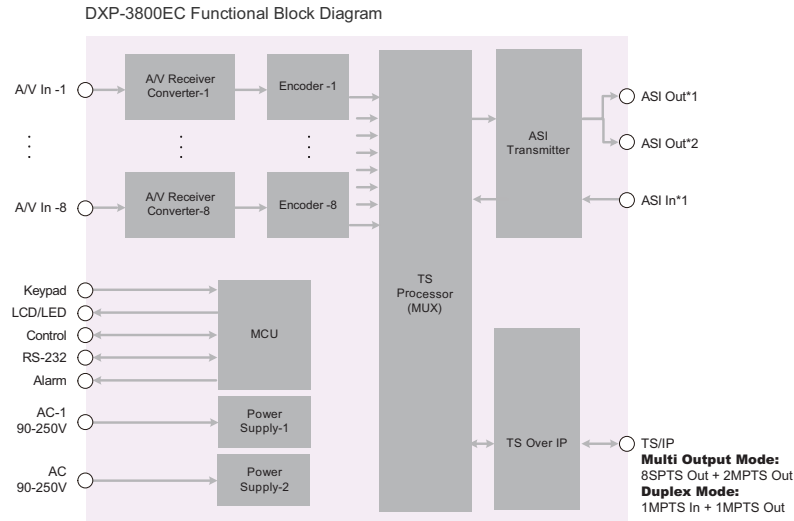


Main Feature

- Comply 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



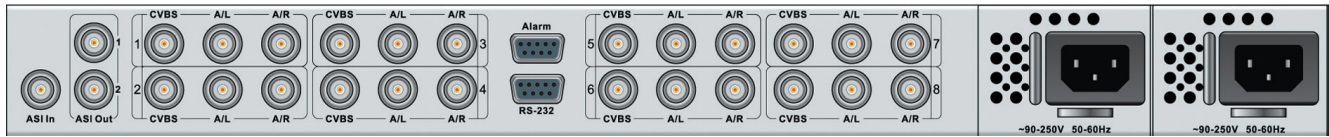
Block Diagram



Specification

Video input & Encode		Effective Data Rate	
Number of input ports	CVBS x 8		1.5 Mb/s~70 Mb/s
Encoding Standard	MPEG-2 MP@ML	Data Transfer type	Byte
Chrominance Format	4:2:0	Packet Length	188 or 204 Bytes
Compression Bit Rate	1.5Mbps~10Mbps	Signal Level	800±80mV
Main Video Resolutions & Recommended	480i(720×480)@29.97Hz: SMPTE656M: 3~6Mb/s	Gigabit TS_over_IP	
Compression Bit Rates	576i(720×576)@25Hz: SMPTE656M: 3~6Mb/s	Standard	IEEE 802.3, 10/100/1000 Base-T, Full Duplex
Other Video Resolutions	Half D1,SIF,QSIF	Maximum Effective Bit Rate	80Mb/s
Audio Input & Encode		Data Protocol	UDP or RTP, SPTS or MPTS
Number of input ports	8 pairs of Stereo Audios	Control Protocol	ICMP, ARP, IGMPv2
Compression Standard	MPEG1 Layer I	Interfaces on Rear Panel	
Sampling Rate	32KHz, 44.1KHz, 48KHz	ASI In	1×BNC Female, 75Ω
Compression Bit Rate	MPEG1 Layer I: 64~256Kb/s MPEG1 Layer II: 32~384Kb/s	CVBS In	8×BNC Female, 75Ω
DVB-ASI Input		AUDIO In	8×BNC Female, 75Ω
Interface	BNC Female, 75Ω	ASI Out	2×BNC Female, 75Ω(1 Backup)
Maximum Input Bit rate	100 Mb/s	Interfaces on Front Panel	
Data Transfer type	Byte	Control	1 RJ-45, 10/100 Base-T
Packet Length	188 or 204 Bytes	TS/IP	1×IP (GbE), RJ-45, 10/100/1000 Base-T, Full Duplex
Signal Level	200~880mVp-p	Display	2 x 20 LCD Display
DVB-ASI Output		Others	
Interface	BNC Female, 75Ω	Power Supply	AC90~260V 50/60Hz
		Operating Temperature	0~45°C
		Storage Temperature	-10~60°C
		Operating Humidity	10~90%, non-condensed

Back Panel Interface



Order Information

Function		DXP-3800EC-C
Input	CVBS x8	•
	ASI	•
Output	ASI x2 (1xBackup)	•
	GbE	•
Alarm		•
Control		•
RS-232		•