

## 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

- Compile 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

#### Built-in Remultiplexer and TS/IP interface



#### Up to 8 channels in one rack



#### Hot-swappable redundant power supply



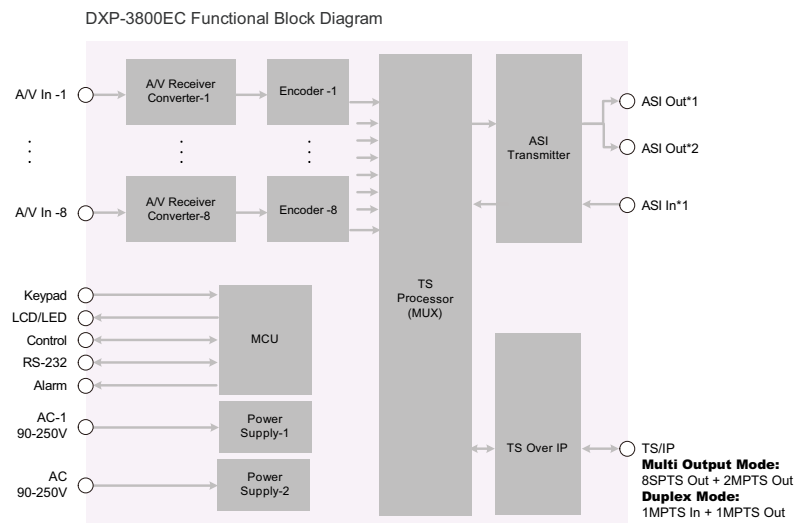
#### Order Information

Interface		DXP-3800EC	DXP-3400EC
Audio/Video Input	Video CVBS	8	4
	Audio R/L	8	4
TS Input	ASI	•	•
	TS/IP Input(Full duplex)	•	•
TS Output	ASI	•	•
	TS/IP	•	•
Management	RJ-45	•	•
Upgrade	USB	•	•
Alarm/Relay	Alarm	•	•
Debug	RS-232	•	•

## Specification

<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 Compression Bit Rates	480i(720×480)@29.97Hz:	Standard	IEEE 802.3, 10/100/1000 Base-T, Full Duplex
	SMPTE656M: 3~6Mb/s	Maximum Effective Bit Rate	80Mb/s
	576i(720×576)@25Hz:	Data Protocol	UDP or RTP, SPTS or MPTS
Other Video Resolutions	Half D1,SIF,QSIF	Control Protocol	ICMP, ARP, IGMPv2
<b>Audio Input &amp; Encode</b>		<b>Interfaces on Rear Panel</b>	
Number of input ports	8 pairs of Stereo Audios	ASI In	1×BNC Female, 75Ω
Compression Standard	MPEG1 Layer I	CVBS In	8×BNC Female, 75Ω
	MPEG1 Layer II	AUDIO In	8×BNC Female, 75Ω
Sampling Rate	32KHz, 44.1KHz, 48KHz	ASI Out	2×BNC Female, 75Ω(1 Backup)
Compression Bit Rate	MPEG1 Layer I: 64~256Kb/s	<b>Interfaces on Front Panel</b>	
	MPEG1 Layer II: 32~384Kb/s	Control	1 RJ-45, 10/100 Base-T
DVB-ASI Input Interface	BNC Female, 75Ω	TS/IP	1×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

## Block Diagram



## Back Panel Interface

