HPS1308A
8IN1 MPEG-2 SD Encoder

Overview

HPS1308A 8IN1 MPEG-2 SD Encoder supports SD MPEG-2 video and MPEG-1 audio encoding. It has 8×CVBS video, 8 pairs of unbalanced audio and 1×ASI (BNC (MUX)) input interfaces, and can multiplex the input signal (TS) to generate DVB transport stream (TS/ASI) and IP (TS over UDP) output. The encoder suits 1U rack and can be configured by front panel LCD and NMS (network management software). Its high-integrated and cost-effective design makes it widely used in varieties of digital distribution systems such as cable TV digital head-end, satellite digital TV broadcasting and terrestrial digital TV, etc.

Features

◆ MPEG-2 video and MPEG-1 audio encoding

◆ 8×CVBS video and 8 pairs of unbalanced audio (high-fidelity mono/stereo) input

◆ 1xASI (MUX) input

◆ Support PAL and NTSC video formats

◆ Support ASI/IP (TS over UDP, multicast/unicast) output

◆ LCD/Keyboard control by front panel and network management by Ethernet

Technical Specification

Input	**Video Signal**	8×CVBS, BNC interface, level 1.0 Vp-p
	Audio Signal	8 pairs of unbalanced audio, BNC interface, level 2.0 Vp-p
	ASI	TS, DVB standard (mux), BNC interface
Video Coding		comply with ISO11172 (MPEG-1) & ISO13818 (MPEG-2)
		MPEG-2 coding adopt MP@ML (4:2:0)
		MPEG-2 Adaptive Field Frame (AFF)
		MPEG-2 Field-Based (FB)
Resolution	**Standard**	support 1/2D1, 2/3D1, 3/4D1,9/16D1
	Format	PAL/NTSC
Audio Coding	**Sampling**	32KHz, 44.1KHz, 48KHz
	Code Rate	32, 48, 56, 64, 128, 192, 256, 384, 448Kbps
	Property	MPEG-1 Layer2, 1×stereo or dual-channel
Output	**2×ASI**	1 as mirror, DVB standard, BNC interface
	IP	100mbps RJ45，TS over IP/UDP/MPTS/SPTS
Output BitRate		1.0~15Mbps continuously adjustable per channel
Control		NMS (Ethernet port, RJ-45), Keyboard + LCD
General Features	**Size**	482mm×410mm×44mm
	Temperature Range	0~45°C (Operation); -20~80°C (Storage)
	Power	100-240VAC, 50Hz, 25W