

MPEG-2 IP/RTP Encoder



Overview

MPEG-2 IP encoder supports SD MPEG-2 video and MPEG-1 audio encoding. It has one CVBS, one SDI and one pair of unbalanced audio (mono or stereo) input, to generate DVB transport stream (TS/ASI) and IP (RTP, TS over IP) output. This encoder suits 1U rack and can be operated by LCD and fully controlled by 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 coding
- ◆ 1xCVBS, 1 pair of unbalanced audio (high fidelity mono/stereo) and 1SDI input
- ◆ SDT insertion
- ◆ PAL and NTSC video formats supported
- ◆ LCD/Keyboard control by front panel and network management by Ethernet

Technical Specification

Input	Video Signal	1xCVBS, BNC interface
	Audio Signal	1 pair of unbalanced audio, BNC interface
	SDI	BNC interface
Video Coding		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
	PAL	720x576, 704x576, 640x576, 544x576, 480x576, 384x576, 352x576
	NTSC	720x480, 704x480, 640x480, 544x480, 480x480, 384x480, 352x480
Audio Coding	Sampling	32KHz, 44.1KHz, 48KHz
	Code Rate	64, 128, 192, 256, 384Kbps
	Property	MPEG-1 Layer2, 1xstereo or dual-channel
Output	2xASI	DVB standard, BNC interface
	IP Out	188 bytes TS packet in RTP payload
	Protocol	Unicast and Multicast
Bit Rate	1.0~15Mbps continuously adjustable	
Control	NMS (Ethernet port, RJ-45), Keyboard + LCD	
General Features	Size	482mmx280mmx44mm
	Temperature Range	0~45°C (Operation); -20~80°C (Storage)
	Power	100-240VAC, 50Hz, 25W