4IN1 DVB-T SD Encoder Modulator

Overview

4IN1 SD Encoder DVB-T Modulator supports 4×CVBS and 4 pairs of unbalanced audio and 1×RF input and 1×RF (DVB-T) output. After coded and modulated, the input signal can be directly output or mixed output with original TV signal. It 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.

Feature

◆ Integrated encoder and modulator

◆ 4CVBS+Audio and 1×RF input

◆ DVB-T RF out

◆ RF Range: 36-900Mhz

◆ Keyboard+LCD control and network management

Technical Specification

Input	**Video Signal**	4×CVBS, BNC interface, level 1.0 Vp-p
	Audio Signal	4 pairs of unbalanced audio, BNC interface, level 2.0 Vp-p
	RF (36-900MHz)	1×DVB-T RF, F-head
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		720×576 (PAL); 720×480 (NTSC)
Bit Rate		1.0~15Mbps continuously adjustable per channel
Audio Coding	**Sampling**	32KHz, 44.1KHz, 48KHz
	Code Rate	64, 96, 128, 256, 384Kbps
	Property	MPEG-1, Layer 1/2
Output		1×DVB-T RF (30-960MHz), F-head

DVB-T Modulation	**Frequency Range:** 36~900MHz, 1KHz step	**Output Level:** 60~90dB
	Constellation: QPSK, 16 QAM, 64 QAM	**Bandwidth:** 6M, 7M, 8M
	Baudrate: 1/2, 2/3, 3/4, 5/6, 7/8	**Transmode:** 2K, 8K
	Protection Interval: 1/32, 1/16, 1/8, 1/4	**MER:** ≥42dB
	Level Attenuation Range: 0~30dB	
General Features	**Size**	482mm×410mm×44mm
	Temperature Range	0~45°C (operation); -20~80°C (storage)
	Power	100-240VAC, 50Hz, 25W