

# 4IN1 DVB-T HD Encoder Modulator



## Overview

4IN1 HD Encoder DVB-T Modulator supports 4×HDMI 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
- ◆ 4×HDMI input
- ◆ DVB-T RF out
- ◆ RF Range: 36-900Mhz

◆ Keyboard+LCD control and network management

## Technical Specification

<b>Input</b>	<b>HDMI</b>	4×HDMI 1.3, support 1080i
<b>Video Coding</b>		4:2:0 encoding H.264 HP@L4 MP@L3
		H.264 Adaptive Field Frame (AFF)
		H.264 Field-Based (FB)
		full HD: 1920×1080×60/50i/p, 1280×720×60p/50p
<b>Standard</b>		ISO/IEC14496-10 (H.264/MPEG-4 AVC)
<b>Bit Rate</b>		1.0~15Mbps continuously adjustable per channel
<b>Audio Coding</b>	<b>HDMI</b>	embedded audio
	<b>Sampling</b>	32KHz, 44.1KHz, 48KHz
	<b>Code Rate</b>	64, 128, 192, 256, 384Kbps
<b>Output</b>		1×DVB-T RF (30-960MHz), F-head
<b>DVB-T Modulation</b>	<b>Frequency Range:</b> 36~900MHz, 1KHz step	<b>Output Level:</b> 60~90dB
	<b>Constellation:</b> QPSK, 16 QAM, 64 QAM	<b>Bandwidth:</b> 6M, 7M, 8M
	<b>Baudrate:</b> 1/2, 2/3, 3/4, 5/6, 7/8	<b>Transmode:</b> 2K, 8K
	<b>Protection Interval:</b> 1/32, 1/16, 1/8, 1/4	<b>MER:</b> ≥42dB
	<b>Level Attenuation Range:</b> 0~30dB	
<b>General Features</b>	<b>Size</b>	482mm×410mm×44mm
	<b>Temperature Range</b>	0~45°C (operation); -20~80°C (storage)
	<b>Power</b>	100-240VAC, 50Hz, 25W