

## 12 HDMI Encoder to 4 COFDM Modulator

### ACE 12HDO-4T

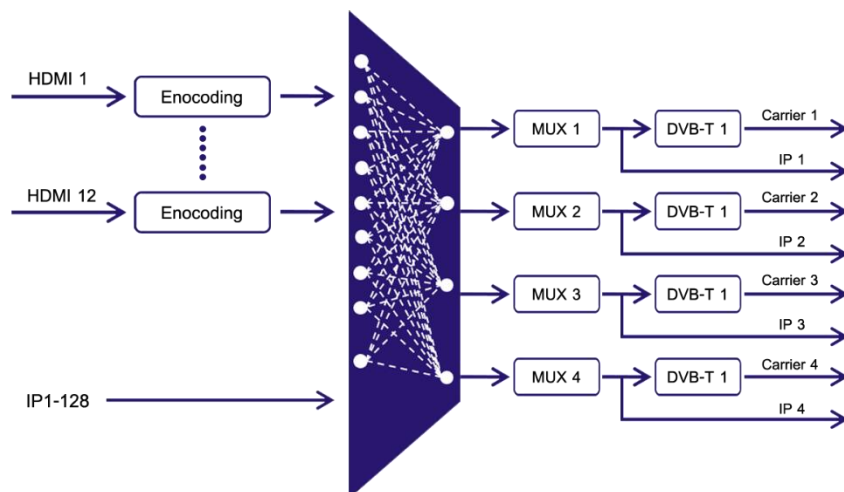


The **ACE 12HDO-4T** is a professional high integration device which includes encoding, multiplexing and scrambling. It supports 12 HDMI input. It also supports 4 adjacent carries (50Mhz. ~960Mhz.) and 4 MPTS IP output at DATA1 GE port. This full function device makes it ideal for small CATV head end system and it's a smart choice for hotel TV system, entertainment system in sports bar, hospital and apartment.

#### Main Features:

- 12 HDMI input.
- 4 groups of multiplex, 4 groups of scrambling.
- Support IP output (MPTS only, DATA1 port only) over UDP and RTP.
- Excellent RF output performance index, MER  $\geq 40$ dB.
- Support HD (1080i/720p\_50/60) to SD (576p/480p\_25/30) resolution downscale conversion.
- MPEG1 Layer II, support audio gain adjustment.
- Fully support ITU-T J.83 A/B.
- Support accurate PCR adjusting.
- Support PSI/SI editing and inserting.
- Control via web management, and easy updates via web.
- Lowest cost per channel, breakthrough price

#### Principle Chart:



# Specification



## Specifications:

PRODUCT	ACE 12HDO-4T	
Input:	12 HDMI Inputs 256 IP input over UDP and RTP, DATA1, RJ45—DVB-T RF out	
Video:	Input Resolution:	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i,720×480_60i
	Output Resolution:	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P,720×480_30P
	Encoding:	MPEG-4 AVC/H.264
	Bit-rate:	1Mbps~13Mbps each channel
	Rate Control:	CBR/VBR
	GOP Structure:	IP...P (P Frame adjustment, without B Frame )
Audio:	Encoding:	MPEG-1 Layer 2
	Sampling rate:	48KHz
	Resolution:	24-bit
	Bit-rate:	64kbps,128Kbps,192kbps,224kbps,256kbps,320k bps,384kbps
	Audio Gain:	0-255 Adjustable
Multiplexing:	Maximum PID Remapping:	180 input per channel
	Function:	PID remapping (Automatically or manually)
		Accurate PCR adjusting Generate PSI/ SI table automatically
DVB-T Modulator:	Standard:	EN300744
	FFT mode:	2K
	Bandwidth:	6M, 7M, 8M
	Constellation:	QPSK, 16QAM, 64QAM
	Guard Interval:	1/4, 1/8, 1/16, 1/32
	FEC:	1/2, 2/3, 3/4, 5/6, 7/8
	MER:	≥42dB
	RF frequency:	50~960MHz, 1KHz step
	RF output level:	-28~ -3dbm, 0.1dB Step
RF Output Port:	1xRF 8 COFDM DVB-T Output	
Stream output:	RF Output (F-Type Interface) 8 MPTS output over UDP and RTP/RTSP as mirror of 8 DVB-T carriers 1*1000M Base-T Ethernet interface	
System function:	Network Management (WEB)	
	Chinese and English language	
Miscellaneous:	Dimension (W× L× H):	482mm×410mm×44mm
	Approx weight:	4kg
	Temperature:	0~45°C(work) ; -20~80°C (Storage)
	Power:	AC 100V-220V±10%, 50/60Hz
	Consumption:	25W

