

## 8 SD Encoder to 4 COFDM Modulator

### ACE 08AVO-4T

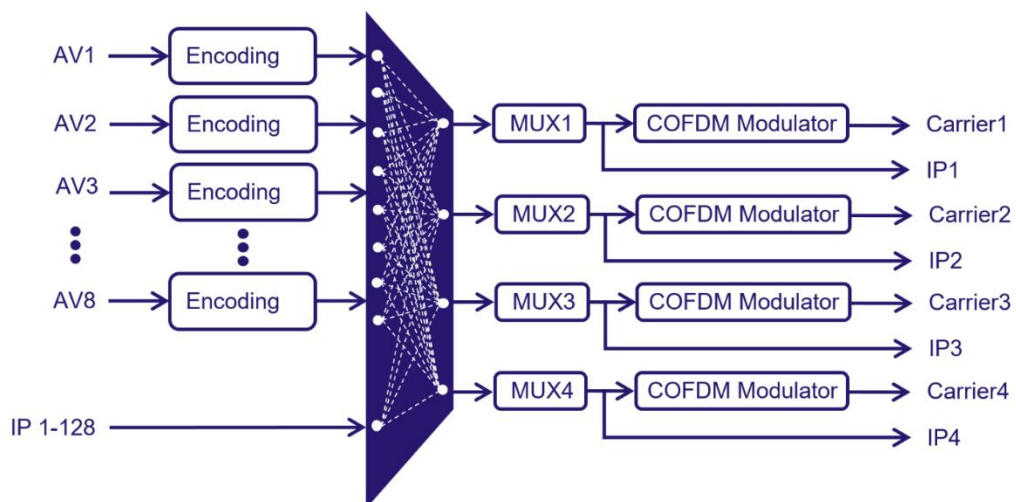


The **ACE 08AVO-4T** 8 SD Encoder to 4 COFDM Modulator is professional encoder modulator high integration device which includes encoding, multiplexing, scrambling and modulation. It supports 8 CVBS inputs, and 128 IP input through Data1 (GE) and Data2 (FE) port. It also supports DVB-T RF out with 4 adjacent carries, and supports 4 MPTS out thru Data1 (GE). This full function device makes it ideal for SMATV, CATV head end system, and it's a smart choice for hotel TV system, entertainment system in sports bar, hospital, apartment.

#### Main Features:

- 8 A/V inputs with MPEG2 Encoding
- MPEG1 Layer II, AC3(2.0) Audio encoding and support audio gain adjustment
- 128 IP input over UDP and RTP protocol
- 4 groups of multiplexing/scrambling/modulation output channels
- Support PID remapping/ accurate PCR adjusting/PSI/SI editing and inserting
- Support 4 MPTS IP (DATA1 port only) output over UDP and RTP
- Support 4 DVB-T RF outputs
- Control via web management, and easy updates via web

#### Principle Chart:



## Specifications:

PRODUCT	ACE 08AVO-4T	
Input:	8 CVBS inputs , RCA Interface	
	128 IP input over UDP and RTP, DATA1 and DATA2, RJ45	
Video:	Input Resolution:	720×480_60i, 544×480_60i, 352×480_60i, 352×240_60i, 320×240_60i, 176×240_60i, 176×120_60i
	Output Resolution:	720×576_50i, 704×576_50i, 640×576_50i, 352×288_50i, 320×288_50i, 176×288_50i, 176×144_50i
	Encoding:	MPEG-2
	Bit-rate:	0.5Mbps~8Mbps each channel
	Rate Control:	CBR/VBR
	GOP Structure:	GOP_0_B, GOP_1_B, GOP_2_B, GOP_3_B
	Advanced Pretreatment:	De-interlacing, noise reduction
Audio:	Encoding:	MPEG-1 Layer 2
	Sampling rate:	48KHz
	Resolution:	24-bit
	Bit-rate:	64Kbps, 128Kbps, 192kbps, 256kbps, 320kbps, 384kbps each channel
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
	RF output:	1xRF 4 COFDM DVB-T Output (4 carriers combined output)
	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	
Stream output:	RF Output (F-Type Interface)	
	4 IP MPTS output over UDP/RTP, 1*1000M Base-T Ethernet interface	
System function:	Network Management (WEB)	
	English language	
Miscellaneous:	Dimension (W× L× H):	482mm×410mm×44mm
	Temperature:	0~45°C(work) ; -20~80°C (Storage)
	Power:	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

