

1 HDMI Encoder to 1 QAM Or COFDM Modulator

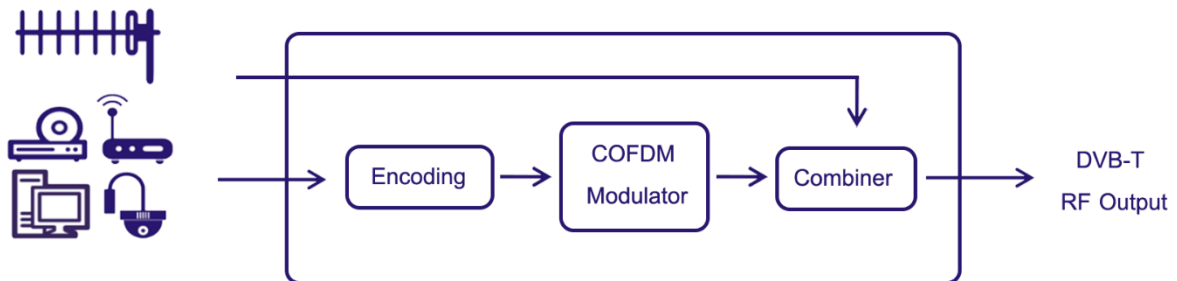
ACE 01HD-1TC

SKU : AD0421IEC0281



The **ACE 01HD-1TC** HD encoder & modulator is designed based on consumer electronics which allow audio/video signal input in TV distributions with applications in home entertainment, surveillance control, hotel Digital Signage, shops etc. It is an all-in-one device integrating MPEG2 encoding and modulating to convert audio/video signals into DVB-C/T/ATSC/ISDB-T RF out. The signals source could be from STB, satellite receiver, closed-circuit television cameras and antenna etc. Its output signal is to be received by TVs or STBs etc.

Principle Chart:



Specifications:

PRODUCT	ACE 1HD-1TC	
HDMI Encoding Section		
Video	Encoding	MPEG2
	Interface	HDMI*1
	Input	Output
	480@59.94/60i	480@30p
	576@50i	576@25p
	720@50/59.94/60p	720@25/30p
	1080@50i	1080@25p
	1080@59.94/60i	1080@30p
	1080@50p	1080@25p
	1080@59.94/60p	1080@30p
	Aspect Ratio	16:09
Bit rate	1.000~20.000 Mbps	
Audio	Encoding	MPEG1 layer 2, AAC, AC3
	Sample rate	48KHz



PRODUCT	ACE 1HD-1TC	
	Bit rate	MPEG1 layer 2 (192kbps)
	AAC (VBR)	
	AC3 (128kbps)	
DVB-C Modulator Section		
Standard	J.83A (DVB-C), J.83B	
MER	≥35dB	
RF frequency	100-1000MHz, 1KHz step	
RF output level	-63~ -16dBm, 1dB step	
Symbol rate	3.000~7.000Msps adjustable	
	J.83A	J.83B
Constellation	16/32/64/128/ 256 QAM	64/ 256 QAM
Bandwidth	8M	6M
DVB-T Modulator Section		
Standard	DVB-T COFDM	
Bandwidth	2M, 3M, 4M, 5M, 6M, 7M, 8M (Version— I) 6M, 7M, 8M (Version— II)	
Constellation	QPSK, 16QAM, 64QAM	
Code rate	1/2, 2/3, 3/4, 5/6, 7/8	
Guard Interval	1/32, 1/16, 1/8, 1/4	
Transmission Mode:	2K, 8K	
MER	≥35dB	
RF frequency	100-1000MHz, 1KHz step	
RF output level	-63~ -16dBm, 1dB step	
ISDB Modulator Section		
Standard	ARIB STD-B31	
Constellation	QPSK, 16QAM, 64QAM	
Guard Interval	1/32, 1/16, 1/8, 1/4	
Transmission Mode	2K, 4K, 8K	
Code rate	1/2, 2/3, 3/4, 5/6, 7/8	
RF frequency	100~1000MHz, 1KHz step	
RF output level	-63~ -16dBm, 1dB step	
ATSC Modulator Section		
Standard	ATSC A/53	
Constellation	8 VSB	
RF output level	-63~-16dBm (44~91 dBμV), 1dB step	
MER	≥35dB	
RF frequency	100~1000MHz, 1KHz step	
RF output level	-63~ -16dBm, 1dB step	
System		
Management	Web (Version— I) NMS (Version— II)	
Language	English	
Upgrade	Web update (Version— I) ST Link utility (Version— II)	
General		
Power supply	DC 12V	
Dimensions	203*144*52mm (Version— I) 180*110*39.5mm (Version— II)	
Weight	< 1kg	

