Model : ACE3548H   8-HD DVB-T Encoder Modulator

Overview

ACE3548H 8 in 1 Encoder/Modulator is an all-in-one device integrated encoding (MPEG-4/AVC H.264),

multiplexing and modulation functions in one standard 1U case. It can convert 8 HDMI signals and 1 ASI

input to DVB-T RF out in the frequency range of 30~960MHz. It is also equipped with 2 ASI port and IP port

to output TS. The signals source could be from satellite receiver, close-circuit television cameras and etc. Its

output signal is to be received by DVB-T standard TVs or DVB-T STBs. The device can be used in public

such as metro, market hall, theatre, hotels, resorts, etc for advertising. It also can be used for monitoring,

training and educating in company, schools, campuses, hospital.
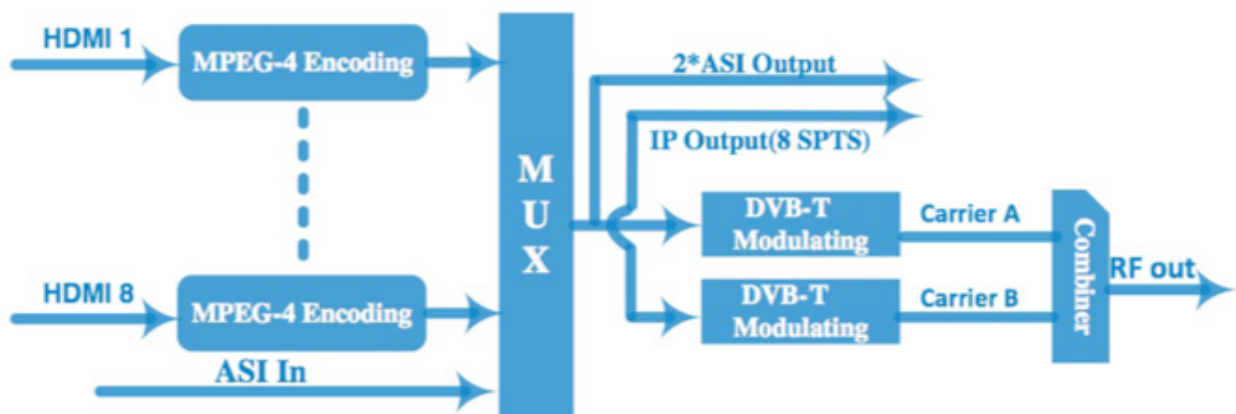
Features

- Support 8 HDMI channels input & 1 ASI Input
- Support H.264/AVC video encoding
- Support MPEG1 Layer 2 (HE-AAC(V2), LC-AAC optional) audio encoding
- Support PSI/SI editing and inserting
- Support accurate PCR adjusting
- PID remapping and pass through
- Support VBR/CBR video bitrate mode
- Support 720P, 1080I, 1080P HD video format
- Support IP (1000M) Output over UDP,RTP/RTSP
- 2*DVB-T RF output
- Support IP null packet filter
- Real-time output bit-rate monitoring
- Update device through web based NMS port
- Support LCD / keyboard operating, and network management (web)

High quality + Best Service + Total Solution + No issue in operation

Specification

Input	8 x HDMI inputs		
	1 ASI input, BNC interface		
Video	Resolution		1920x1080_60P, 1920x1080_50P
			1920x1080_60i, 1920x1080_50i
			1280x720_60P, 1280x720_50P
			720x576_50i, 720x480_60i
	Encoding		MPEG-4 AVC/H.264
	Bit-rate		0.8Mbps~19Mbps (each channel)
	Rate Control		CBR/VBR
	GOP Structure		IBBP
	Advanced Pretreatment		De-interlacing, Noise Reduction, Sharpening
Audio	Encoding		MPEG-1 Layer 2 (HE-AAC V2, LC-AAC Option)
	Sampling rate		48KHz
	Bit-rate		64Kbps~384Kbps each channel
Multiplexing	1 ASI input multiplexed with local 8 channel of TS		
	PID remapping (automatically or manually)		
	Accurate PCR adjusting		
	Generate PSI/SI table automatically		
Modulation	DVB-T	Standard	EN300744
		FFT mode	2K, 8K
		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	30~960MHz step
		RF output level	-30~-10dbm (77~97 dbμV), 0.1db step
		RF out	2*RF DVB-T out
Stream function	2*ASI to mirror one carrier output, BNC interface		
	8 SPTS over UDP,RTP/RTSP 1000Base-T Ethernet interface (unicast/multicast)		
System function	LCD/keyboard operating, web NMS supporting		
	Ethernet software & hardware upgrade		

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Miscellaneous	Dimension (WxLxH)	482mm x 455mm x 44mm
	Approx weight	4kg
	Temperature	0~45°C (work), -20~80°C (Storage)
	Power	AC 100V-220V±10%, 50/60Hz
	Consumption	25W

Application

Obtaining Document

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