



Feature

EM1HD/SD 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 MPEG-4 AVC/H.264 encoding and modulating to convert audio/video signals into DVB-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 a DVB-T standard TVs or STBs etc.

Specification

HDMI Encoding Section			
Encoding	H.264 MP@L 3.0/3.1/4.0		
Interface	HDMI*1		
Video	Resolution	Input	Output
		480@59.94/60p	480@60p
	480@59.94/60i	480@30p	
	576@50i	576@25p	
	720@50/59.94/60p	720@50/59.94/60p	
	1080@50i	1080@25p	
	1080@59.94/60i	1080@30p	
1080@59.94/60p	1080@30p		
Aspect Ratio	16:9		
Bit rate	1.000~18.000 Mbps		
Audio	Encoding	MPEG1 layer 2	
	Sample rate	48KHz	
	Bit rate	64, 96, 128, 192, 256, 320kbps	
CVBS Encoding Section			
Encoding	H.264 MP@L 3.0		
Interface	CVBS*1 (RCA)		
Video	Resolution	Input	Output
		480@60p	480@60p
		480@60i	480@30p
		576@50p	576@50p
		576@50i	576@25p
Aspect Ratio	4:3		
Bit rate	1.000~18.000 Mbps		
Audio	Encoding	MPEG1 layer 2	
	Interface	Analog Stereo/Mono (Unbalanced RCA)	
	Sample rate	48KHz	
	Bit rate	64, 96, 128, 192, 256, 320kbps	
	Bit rate	64, 96, 128, 192, 256, 320kbps	
DVB-T Modulator Section			
Standard	DVB-T COFDM		
Bandwidth	6M, 7M, 8M		
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	≥31dB		
RF frequency	142.5~946 MHz, 1KHz step		
RF output level	-14~ +6dBm, 1db step		
System			
RF mix in ATT	10 dB		
Management	Local LCD + control buttons		
Language	English		
LCN Insertion	yes		
Upgrade	USB		
General			
Power supply	DC 12V		
Dimensions	183*110*50mm		
Weight	< 1kg		