

HD/SD Encoder Modulator

CVBS/HDMI

DVB-T RF

A device that allows audio and video signal input in TV distributions with applications in home entertainment, Digital Signage for hotels, shops, restaurants etc...



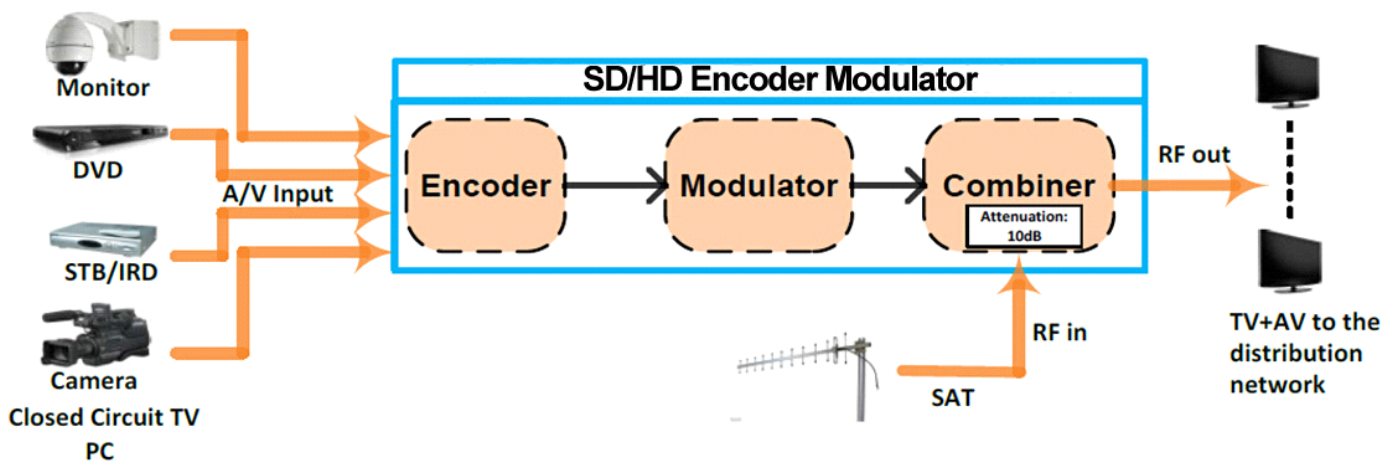
General Description

This HD/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.

System Connection





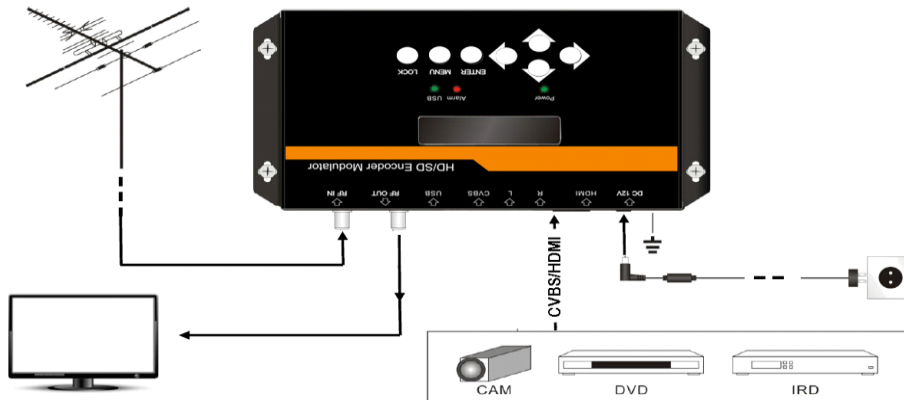
Technical Specifications

HDMI Encoding Section				
Video	Encoding	H.264 MP@L 3.0/3.1/4.0		
	Interface	HDMI*1		
	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, 4:3			
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				
Video	Encoding	H.264 MP@L 3.0		
	Interface	CVBS*1 (RCA)		
	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		
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, 0.1db 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		

Order information

	SD	HD	SD&HD
CVBS input only	•		
HDMI input only		•	
HDMI+CVBS input			•

Typical Applications



...for communities of residents
an information channel on their television



...for restaurants
information about daily menus ,special deals,etc



...for hotels
meeting rooms,exhibitions,message,etc



...for hospitals
training courses, healthy guide, etc



...for Public Spaces
adversing,user information,news,etc



...for shopping centres
new collections,special deals,etc



**Create your own advertising and information
channel using only your Encoder Modulator**