

KH3522A SD Encoder Modulator

CVBS 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...



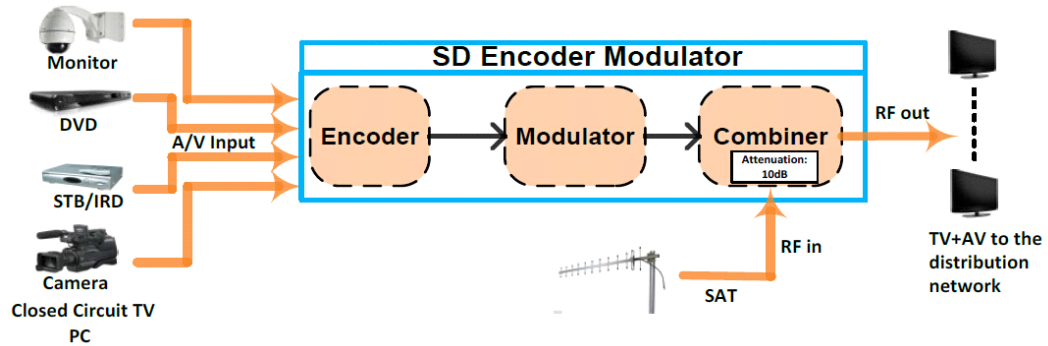
General Description

This 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 analog 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.

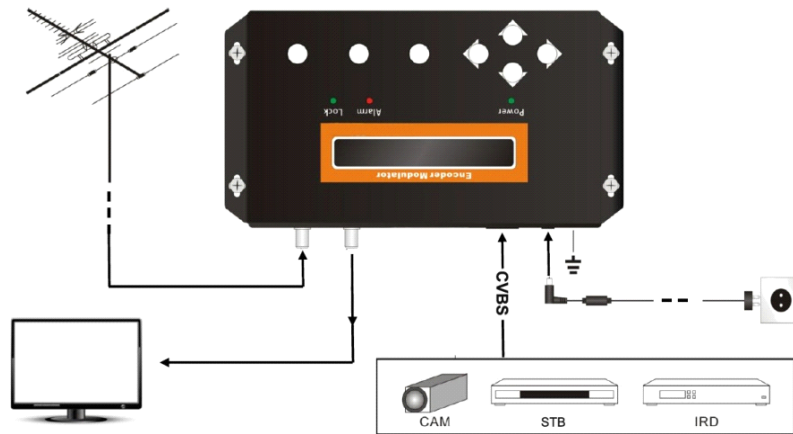
System Connection



Technical Specifications

Encoding Section			
Video	Encoding	H.264 MP@L 3.0	
	Interface	CVBS*1 (RCA)	
	Resolution	Input	Output
		480@60i	480@30p
		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	142.5~858 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		

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
advertising,user information,news,etc



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



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