

REM7501M CVBS to RF Encoder Modulator (Home-Version)



Features

- Innovative design and development in mini and smart structure
- Powerful and comprehensive functions
- Standard MPEG-2 SD encoding & modulation in DVB-C/DVB-T/ATSC-T/ISDB-T/DTMB mode
- Able to accept multiple signal sources, e.g., from satellite, camera, local blue-ray player, antenna, closed-circuit TV, etc.
- Configured with USB port, able to record, save and playback
- LCN insertable
- NIT insertable
- Program name&number, service ID, audio&video PID, PMT&PCR PID etc. able to be configured
- Wall-mounted installation realizable
- Easy-operation by LCD and keyboard on front panel
- Network upgrading by JTAG interface

Specifications

Video Compression

Encoding Standard	MPEG-2 SD, MP@ML(4:2:0)
Video Input	CVBS
Mode	PAL, NTSC
Video Resolution	PAL / 720*576_50i; NTSC / 720*480_60i

Audio Compression

Encoding Standard	MPEG-1 Layer II
Audio Input	Analog audio (stereo / mono)
Audio Bit Rate	64, 96, 128, 192, 256, 320, 384 Kbps
Audio Sample Rate	48 KHz

Input

Video Input	1*CVBS, RCA interface, 75 Ω	
Audio Input	1* Stereo/Mono	
RF Input	Number	1*RF
	Function	Combining and mixing with local program for modulation

Modulation

DVB-C Mode	Standard	J.83A, J.83B, J.83C
	Constellation & Bandwidth	(J.83A) 16, 32, 64, 128, 256 QAM / 8M; (J.83B) 64, 256 QAM / 6M; (J.83C) 64, 256 QAM / 6M
	Frequency Range	30 ~ 960 MHz, by 1 KHz stepping
	MER	≥43 dB
	Output Level	-16~-36 dBm(71~91 dBμV), by 1 dB stepping
	Symbol Rate	(J.83A) 5 ~ 7 MSymbol/s; (J.83B) fixed; (J.83C) fixed
	Out-of-Band Rejection	55 dB
DVB-T Mode	Standard	DVB-T (EN300 744, EN304 744, COFDM)
	Constellation	QPSK, 16QAM, 64QAM
	Bandwidth	6M, 7M, 8M
	FFT	2K
	Guard Interval	1/32, 1/16, 1/8, 1/4
	MER	≥42 dB
	Frequency Range	30 ~ 960 MHz, in 1 KHz stepping
	Output Level	-16 ~ -36 dBm(71~91 dBμV), by 1 dB stepping
ATSC Mode	Standard	ATSC A/53
	Constellation	8VSB
	Frequency Range	30 ~ 960 MHz, in 1 KHz stepping
	Output Level	-16 ~ -36 dBm(71~91 dBμV), by 1 dB stepping
	MER	≥42 dB
ISDB-T Mode	Standard	ARIB STD-B31
	Constellation	DQPSK, QPSK, 16QAM, 64QAM
	Bandwidth	6M
	Frequency Range	30 ~ 960 MHz, by 1 KHz stepping
	Output Level	-16 ~ -36 dBm(71~91 dBμV), by 1 dB stepping
	MER	≥42 dB
	Outer Coding	RS (204, 188)
	Guard Interval	1/32, 1/16, 1/8, 1/4
	Convolutional Coding	1/2, 2/3, 3/4, 5/6, 7/8
FFT	2K, 4K	
DTMB Mode	Standard	GB20600-2006
	Constellation	4QAM-NR, 4QAM, 16QAM, 32QAM, 64QAM
	Frequency Range	30 ~ 960 MHz, by 1 KHz stepping
	Output Level	-16 ~ -36 dBm(71~91 dBμV), by 1 dB stepping
	FEC	0.4, 0.6, 0.8
	Frame Mode	420, 595, 945, 420, 945 VAR
	Interleaving	240, 720
	MER	≥42 dB

Output

RF Output	Number	1*RF
	Connector Type	75Ω, F interface

USB Recorder & Playback

Port Number	1*USB
Functions	TS Play/ recorder and save;

Management

Easy operation by keyboard or LCD on top panel
Upgrading by JTAG port
LCN insertable

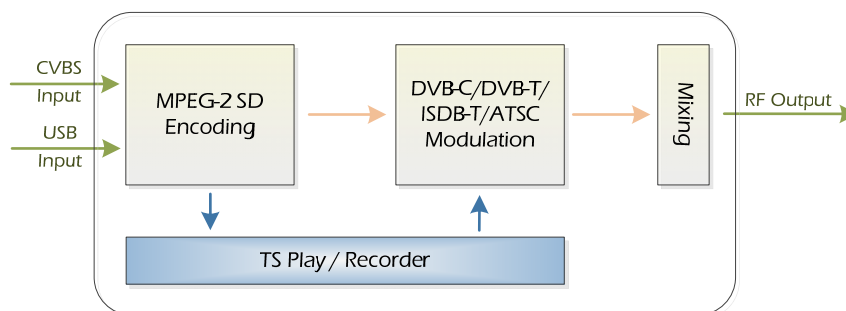
General

Voltage	12V DC
Environment	0~50°C (non-condensing)
Dimension (W*D*H)	153*110*50 mm
Gross Weight	0.8 KGS

Introductions

REM7501M CVBS to Tuner Single-Channel Encoder Modulator(Home-Version) is a creative and revolution of RF modulator of digital TV broadcasting industry. It integrates diversified, powerful and comprehensive functions as for 1U chassis items, while equipped with a smart, wall-mountable structure. However, it continues outputting with the same and excellent index and performances. Input with 1*CVBS in analog audio and video signal and 1*Tuner, the device processes in MPEG-2 and MPEG-1 Layer II compression, and modulate out in DVB-C/DVB-T/ATSC-T/ISDB-T/DTMB mode. It is configured with USB interface additionally, in favor of video recording, save and playback. Due to its professional and full functions, it has been widely applied to IPTV system, digital TV broadcasting & distribution systems, home entertainment, advertisement broadcasting, etc., in shopping mall, hospital and school, hotel and restaurant, museum, theater, cinema, community, airport, railway station, public square, club, and so on.

Diagram



Rear Panel

