

# REM7521M MPEG-2/H.264 HD Single-Channel Encoder Modulator (Home-Version)



## Features

- Innovative design and development in mini and smart structure
- Powerful and comprehensive functions
- Standard MPEG-4 AVC/H.264 SD/HD, MPEG-2 SD/HD encoding & modulation in DVB-C/DVB-T mode
- Able to accept multiple signal sources, e.g., from satellite, camera, local blue-ray players, antenna, closed-circuit TV, etc.
- Configured with USB port, able to record, save and playback
- LCN & NIT insertable
- Program name&number, service ID, audio&video PID, PMT&PCR PID etc. able to be configured
- Wall-mount installation realizable
- Easy-operation by LCD and keyboard on front panel
- Network upgrading by JTAG interface

## Specifications

### Video Compression

Encoding Standard	MPEG-4 AVC/H.264, MPEG-2 HD/SD
Video Input	HDMI, YPbPr, CVBS
Mode	PAL, NTSC
Video Resolution	(HDMI) 1920*1080_60P, 1920*1080_50P,(for MPEG-4 AVC/H.264 only); 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P; (YPbPr) 1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P; (CVBS) 720*576_50i (PAL); 720*480_60i (NTSC)
Bit Rate	0.5~19.5 Mbps

### Audio Compression

Encoding Standard	MPEG-1 Layer II, MPEG-2 AAC, MPEG-4 AAC (Dolby AC3 optional)
Audio Input	HDMI, 1*Stereo/2*Mono, RCA, 1*Stereo/2*Mono
Audio Bit Rate	64, 96, 128, 192, 256, 320, 384 Kbps
Audio Sample Rate	48 KHz

## Input

Video Input	1*HDMI+1*YPbPr/1*CVBS	
Audio Input	1* HDMI+1*stereo/2*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, 8K
	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

## Output

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

## USB Recorder &amp; Playback

Port Number	1*USB
Functions	TS recorder, save, playback, etc.

## Management

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

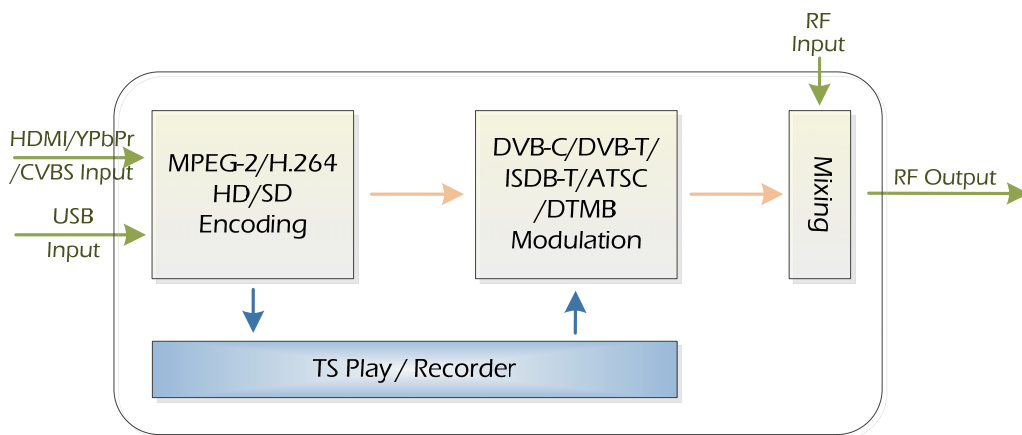
## General

Voltage	12V DC
Environment	0~50°C (non-condensing)
Dimension (W*D*H)	144*238*52 mm
Gross Weight	1.0 KGS

Introductions

REM7521M MPEG-2/H.264 HD 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\*HDM+1\*YPbPr+1\*CVBS in audio and video signal and 1\*Tuner for combining, the device processes in MPEG-4 AVC/H.264 HD and MPEG-2 SD for video, and MPEG-1 Layer II, MPEG-2 AAC & MPEG-4 AAC(with additional Dobby AC3 optional) for audio compression, and modulate out in DVB-C or DVB-T 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



Options

	REM7521M-10	REM7521M-20
Dobby AC3	/	YES