

# REM7511M HDMI to RF Encoder Modulator

## (Smart-Version, with NMS)



### Features

- Innovative design and development in mini and smart structure
- Powerful and comprehensive functions
- Standard MPEG-4 AVC/H.264 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.
- LCN & NIT insertable
- Configured with USB port, able to record, save and playback
- 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 and management by web NMS

### Specifications

#### Video Compression

Encoding Standard	MPEG-4 AVC/H.264 HD
Video Input	HDMI
Mode	PAL, NTSC
Video Resolution	(HDMI) 1920*1080_60P, 1920*1080_50P, 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P; (CVBS/S-Video) 720*576_50i(PAL), 720*480_60i(NTSC); (YPbPr) 1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P
Bit Rate	1.0~9.0 Mbps

#### Audio Compression

Encoding Standard	MPEG-1 Layer II; (MPEG-2 AAC, MPEG-4 AAC optional)
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*HDMI, 1*VGA(CVBS+YPbPr+S-Video)(optional)	
Audio Input	1* HDMI	
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 & Playback

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

Management

Easy operation by keyboard or LCD on top panel
Upgrading and management by web NMS
LCN insertable

General

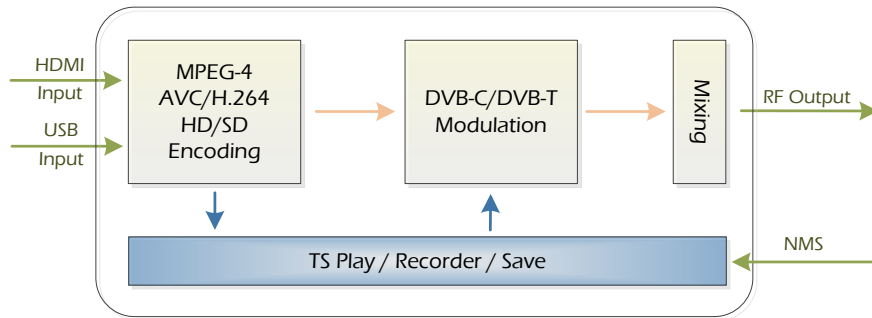
Voltage	12V DC
Environment	0~50°C (non-condensing)
Dimension (W*D*H)	153*110*50 mm
Gross Weight	0.8 KGS

Introductions

REM7511M HDMI to Tuner Single-Channel Encoder Modulator(Home-Version) is a creative and revolution of RF modulator of digital TV broadcasting industry. It integrated 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\*HDMI(or VGA interface) in audio and video signal and 1\*Tuner, the device processes in MPEG-4 AVC/H.264 and MPEG-1 Layer II(MPEG-2 AAC & MPEG-4 AAC optional) 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



Options

	REM7511M-10N	REM7511M-20N
MPEG-2 AAC & MPEG-4	/	YES
HDMI+VGA Input	YES	YES