

REM7531M HDMI+CVBS to ISDB-T/TB

H.264 Encoder Modulator

(Smart-Version)



Features

- Innovative design and development in mini and smart structure
- Powerful and comprehensive functions
- Standard MPEG-4 AVC/H.264 HD encoding & modulation in ISDB-T/TB mode
- 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 USB

Specifications

Video Compression

Encoding Standard	MPEG-4 AVC/H.264 HD, MP@L0/3.1/4.0 for HDMI input; MPEG-4 AVC/H.264, MP@L3.0 for CVBS input				
Video Input	HDMI / CVBS				
Mode	PAL, NTSC				
Video Resolution	HDMI	Input	480@59.94/60P; 480@59.94/60i; 576@50i; 720@50/59.94/60P; 1080@50i; 1080@59.94/60i; 1080@59.94/60P;	Output	480@60P; 480@30P; 576@25P; 720@50/59.94/60P; 1080@25P; 1080@30P; 1080@30P
	CVBS	Input	480@60P; 480@60i; 576@50P; 576@50i	Output	480@60P; 480@30P; 576@50P; 576@25P
Bit Rate	1.0~18.0 Mbps				
Aspect Ratio	16:9(for HDMI only), 4:3				

Audio Compression

Encoding Standard	MPEG-1 Layer II
Audio Input	HDMI embedded; Analog audio (stereo / mono, unbalanced RCA) for CVBS
Audio Bit Rate	64, 96, 128, 192, 256, 320 Kbps
Audio Sample Rate	48 KHz

Input

Video Input	1*HDMI / 1*CVBS	
Audio Input	1* HDMI; 1* Analog stereo / mono	
RF Input	Number	1*RF
	Function	Combining and mixing with local program for modulation

Modulation

ISDB-T Mode	Standard	ARIB STD-B31
	Constellation	QPSK, 16QAM, 64QAM
	Bandwidth	6M,
	FFT	2K, 4K,8K
	Guard Interval	1/32, 1/16, 1/8, 1/4
	MER	≥31 dB
	Frequency Range	150 ~ 950 MHz, in 1 KHz stepping
	RF Output Level	-47 ~ 0 dBm(60~107dbμ V), by 1 dB stepping

Output

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

USB Recorder & Playback

Port Number	1*USB
Functions	USB for Upgrading

Management

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

General

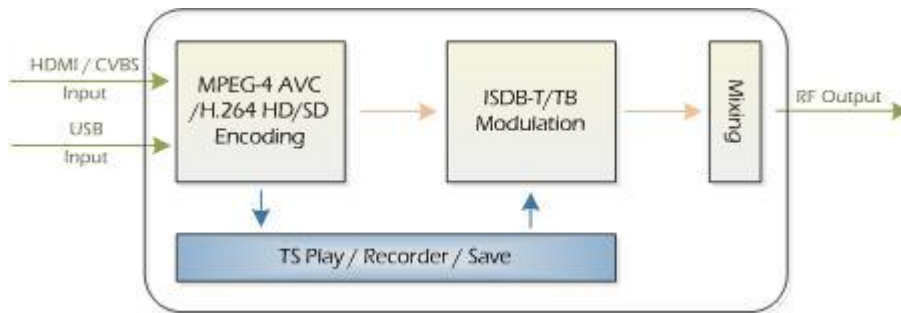
Voltage	12V DC
Environment	0~50°C (non-condensing)
Dimension (W*D*H)	153* 110* 50 mm
Gross Weight	0.8 KGS

Introductions

REM7531M-I HDMI+CVBS to ISDB-T/TB Single-Channel Encoder Modulator(Smart-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 CVBS interface) in audio and video signal and 1*Tuner, the device processes in MPEG-4 AVC/H.264 for video and MPEG-1 Layer II for audio compression, and modulate out in ISDB-T/TB 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, 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

	REM7531M-10	REM7531M-20	REM7531M-30
CVBS Input	YES	/	/
HDMI Input	/	YES	/
HDMI+CVBS Input	/	/	YES