



AV-COFDM digital modulator multiband stereo selfpowered - 1 in HDMI

**art. 07-897
MD HD**



Stand-alone stereo device which allows modulation of an audio/video signal in HD format (from HD SAT receivers, DVD and Blu-ray players, etc.) in a COFDM digital channel.

Being multiband allows the modulation of the output channel in the VHF or UHF band.
The AV signals are digitized, encoded in H.264/AVC (MPEG4) and modulated in DVB-T HD.
Ability to set the LCN. Reprogrammable many times as necessary.

User interface via LCD display and control keypad for basic configuration and USB connection for PC programming.
Realized in a shielded housing equipped with an AV input with HDMI connector and an automixing RF output with screw F-type connectors.

Code Item	07-897 MD HD
VIDEO	
Video Input	HDMI
Risoluzion modes	480p - 576p - 720p - 1080i - 1080p
Compression	H.264 - bitrate 5÷15 Mb/s
AUDIO	
Audio Input	HDMI
Sample Rate	HDMI (32 KHz / 44,1 KHz / 48 KHz)
Compression	AAC-LC / MPEG1-L2 bitrate 128÷384 Kb/s
DVB-T OUTPUT	
COFDM standard	DVB-T (ETSI EN 300 744)
Carriers	2K, 8K
Bandwidth MHz	6, 7, 8
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Channel no.	1
Output frequency MHz	170÷230 + 470÷862
Output level dBuV	75÷90
MER dB	31
DVB PROCESSING	
PID Table insertion	PAT, PMT, SDT, NIT
Configuration	Channel and Network name, SID, LCN, TSID, ONID, NID, Audio and Video PIDs
CONTROL	
Control and programming	LCD Display and 4 buttons; USB port for pc programming
GENERAL	
Dimensions (LxWxH) mm	170x115x35
Packaging dimensions (LxWxH) mm	208x153x82
Packaging weight Kg	0,75
Power supply Vdc	5
Max consumption W	10
SUPPLIED POWER UNIT	
DC connector mm	2,1
AC mains	100÷240V~ 0,5A, 50÷60 Hz
Delivered voltage and current	5Vdc 4A

Example of application

