



AV-COFDM digital modulator 1 in HDMI and Rec&Play function

art. 07-900 MD HD-USB

It allows modulation of an audio/video signal in HD format (from Video surveillance cameras, HD SAT receivers, DVD and Blu-ray players, etc.) in a HD COFDM digital channel.

Equipped with an input with HDMI connector.

The device allows the modulation of the output channel in the VHF or UHF bands. The RF output signals is modulated in DVB-T standard with MPEG4 H.264 (1080p) compression. Ability to set the LCN.

Equipped with an USB port for recording and playing video content in .TS format on USB 3.0 pen drive (Rec&Play function).

Programming via integrated LCD display and keyboard or via PC.

Realized in a shielded housing equipped with an automixing RF output with screw F-type connectors.



Code	07-900
Item	MD HD-USB
VIDEO	
Video Input	HDMI
Resolution modes	480p - 576p - 720p - 1080i - 1080p 50/60 Hz
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
ENCODING	
PID	PAT, PMT, SDT
Configuration	NIT Vers., Channel and Network name, SID, LCN, TSID, ONID, NID, Audio and Video PIDs
MODULATION	
Carriers	2K, 8K
Guard interval	1/4, 1/8, 1/16, 1/32
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Constellation	QPSK, 16QAM, 64QAM
OUTPUT	
Output channel	1
Channel name	Max 15 characters
LCN	no. 1÷1023
COFDM standard	DVB-T
Output frequency	MHz 47÷862
Output level	dBuV 75÷90 (±2)
Bandwidth	MHz 6, 7, 8
MER	dB 31
Connectors	Screw F-type
USB HOST (for Rec&Play function)	
Video files format	.TS, with H.264 compression
CONTROL	
Control and programming	LCD Display and 4 buttons; USB port for pc programming
GENERAL	
Dimensions (LxWxH)	mm 170×115×35
Packaging dimensions (LxWxH)	mm 200x140x82
Packaging weight	Kg 0,69
Power supply	Vdc 5
Max consumption	W < 9
Fit temperature	°C 0÷45
SUPPLIED POWER UNIT	
DC connector	mm 2,1
AC mains	100÷240V~ 0,5A, 50÷60 Hz
Delivered voltage and current	5Vdc 2A

Example of application

