



AV-COFDM digital modulator 2 in HDMI

art. 07-905
DM2 HD-USB

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

Equipped with two inputs with HDMI connectors.

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 MPEG-4 H.264 (1080p) compression.
Ability to set the LCNs for both modulated channels.

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	07-905
Item	DM2 HD-USB
VIDEO	
No. inputs	2
Video Inputs	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 30 characters
LCN	n° 1÷1023
COFDM standard	DVB-T
Output frequency	MHz 174÷230 + 470÷862
Output level	dBuV 75÷90 (±2)
Bandwidth	MHz 6, 7, 8
MER	dB > 30
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 3 buttons; USB port for pc programming
GENERAL	
Dimensions (LxWxH)	mm 170×115×30
Packaging dimensions (LxWxH)	mm 200×140×82
Packaging weight	Kg 0,9
Power supply	Vdc 5
Max consumption	W 10
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

