



AV-COFDM digital modulator

1 in HDMI + LOOP

art. 07-902
DM-L HD



Stand-alone stereo device which 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 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 automixing RF output with screw F-type connectors and an AV input with HDMI connector and its pass through HDMI output (loop), which allows you to connect the TV without having to add an HDMI splitter.

Code	07-902
Item	DM-L HD
VIDEO	
Video Input	HDMI
Video Output (loop)	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 > 32
MIX RF	Yes
Throughpass loss	dB 2
Connectors	Screw F-type
USB HOST	
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 200×140×82
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

