



AV-COFDM digital modulator 1 in HDMI

**art. 07-901
DM-S HD**

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.
Reprogrammable many times as necessary.

User interface via LCD display and control keypad for basic configuration (ability to set output channel, level output and Service ID) and USB connection for PC full programming (ability to set LCN, constellation, FEC, guard interval, audio/video compression, etc.).

Realized in a shielded housing equipped with an AV input with HDMI connector and an automixing RF output with screw F-type connectors.



Code	07-901	
Item	DM-S HD	
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	170÷230 + 470÷862 (by modulator) 47÷862 (by PC)
Output level	dBuV	75÷90 (±2)
Bandwidth	MHz	6, 7, 8
MER	dB	31
Connettors	Screw F-type	
CONTROL		
Control and programming	8 alphanumeric LCD Display and 3 buttons; USB port for pc programming	
GENERAL		
Dimensions (LxWxH)	mm	150x110x28
Packaging dimensions (LxWxH)	mm	230x160x65
Packaging weight	Kg	0,56
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

