



AV-COFDM digital modulator 4 in HDMI

**art. 07-904
MD4 HD**

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

Equipped with four 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 MPEG4 H.264 (1080p) compression.
Ability to set the LCNs of each modulated channel.

USB connection for PC programming using the software included.

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



Code	07-904
Item	MD4 HD
VIDEO	
Video Input	HDMI
Resolution modes	720p - 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	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
DVB-T constellation	QPSK, 16QAM, 64QAM
DVB-C constellation	16 / 32 / 64 / 128 / 256QAM
OUTPUT	
Output channels	3 adjacent
Channel name	Max 30 characters
LCN	no. 1÷1023
COFDM standard	DVB-T or DVB-C
DVB-T output frequency	MHz 170÷230 + 470÷862
DVB-C output frequency	MHz 50÷862
DVB-C symbol rate	Mbps 4 + 6,96
Output level	dBuV 77÷97 (±2)
Bandwidth	MHz 6, 7, 8
MER	dB 31
Connectors	Screw F-type
CONTROL	
Control and programming	USB port for pc programming
GENERAL	
Dimensions (LxWxH)	mm 67×200×135
Packaging dimensions (LxWxH)	mm 260x165x165
Packaging weight	Kg 0,9
Power supply	Vdc 5
Max consumption	W 15
Fit temperature	°C 5÷45
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

