



AV-COFDM digital modulator

1 in HDMI+LOOP

art. 07-916
DM-E 4K

It allows modulation of an audio/video signal in HD or 4K format (from Video surveillance cameras, HD SAT receivers, DVD and Blu-ray players, etc.) in a HD COFDM digital channel.

Equipped with input with HDMI connector.

The HDMI input is equipped with LOOP and 4K scaler function. The HDMI LOOP output allows to connect the TV without having to add an HDMI splitter. The Scaler function allows the passage of 4K signals and, if the TV is not 4K, it resizes the resolution of the signal.

The device allows the modulation of the output channel in the VHF or UHF bands.

The RF output signals is modulated in DVB-T or in DVB-C standard with MPEG-4 H.264 (1080p) compression. Ability to set the LCN.

Programming via integrated LCD display and keyboard.

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



Code		07-916
Item		DM-E 4K
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		DVB-T: QPSK, 16QAM, 64QAM DVB-C: QAM 16,32,64,128,256
OUTPUT		
Output channel		1
Channel name		Max 30 characters
LCN	no.	1÷1023
COFDM standard		DVB-T and DVB-C
Output frequency	MHz	DVB-T: 174÷230 + 480÷862 DVB-C: 110÷862
Output level	dBuV	75÷90 (±2)
Bandwidth	MHz	6, 7, 8
MER	dB	DVB-T: 34; DVB-C: >39
MIX RF		Yes
Throughpass loss	dB	2
Connectors		Screw F-type
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	200x140x82
Packaging weight	Kg	0,69
Power supply	Vdc	5
Max consumption	W	6
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

