



AV-COFDM digital modulator

1 in HDMI+LOOP 4K

**art. 07-917
DM-Z 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 output that allows the passage of 4K signals.

HDMI LOOP output allows to connect the TV without having to add an HDMI splitter.

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 OLED display and control button or via pc.

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



Code	07-917
Item	DM-Z 4K
VIDEO	
Video Input	HDMI 1.4 / HDCP 2.2
Video Output (loop)	HDMI
Resolution modes	480p - 576p - 720p - 1080i - 1080p - 4K
Compression	H.264 - bitrate 1÷15 Mbit/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, NIT Vers., SID, 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 32 characters
LCN	n. 1÷9999
COFDM standard	DVB-T and DVB-C
Output frequency	MHz DVB-T: 174÷230 + 480÷862 DVB-C: 47÷862
Output level	dBuV > 84
Bandwidth	MHz 6, 7, 8
Symbol Rate	2000 ÷ 7000
MER	dB DVB-T: 35; DVB-C: > 40
MIX RF	Si
Throughpass loss	dB 2
Connectors	Vite tipo F
CONTROL	
Control and programming	OLED Display and 1 button; USB port for pc programming
GENERAL	
Dimensions (LxWxH)	mm 160×100×45
Weight	Kg 0,350
Packaging dimensions (LxWxH)	mm 175x125x75
Packaging weight	Kg 0,404
Power supply	Vdc 5
Max consumption	W 4
Fit temperature	°C 0÷45
SUPPLIED POWER UNIT	
DC connector	mm 2,1
AC mains	100÷240V~ 0,4A, 50÷60 Hz
Delivered voltage and current	5Vdc 2A

Example of application

