



AV-COFDM digital modulator 1 in RCA/HDMI+LOOP with 4K down-scaler

**art. 07-915
DM HD-4K**

It allows modulation of an audio/video signal in SD, 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 RCA (for SD signal) and HDMI (for HD or 4K signal) connectors. 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 standard with MPEG4 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	07-915
Item	DM HD-4K
VIDEO	
Video Input	RCA, HDMI
Video Output (loop)	HDMI
Resolution modes	576i PAL / 480i NTSC / 1080p / 2160 (4K)
Compression	H.264
AUDIO	
Audio Input	Stereo L/R / HDMI
Sample Rate	HDMI
Compression	MPEG1-L2
ENCODING	
PID	PAT, PMT, SDT
Configuration	Channel and Network name
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+9999
COFDM standard	DVB-T
Output frequency	47+862 MHz
Output level	70+100 dBuV
Impedance	Ω 75
Bandwidth	MHz 6, 7, 8
MER	dB 35
MIX RF	Yes
Throughpass loss	dB 10
Connectors	Screw F-type
CONTROL	
Control and programming	LCD Display and 6 buttons
GENERAL	
Dimensions (LxWxH)	mm 205x105x40
Packaging dimensions (LxWxH)	mm 245x155x80
Packaging weight	Kg 1,0
Power supply	Vdc 12
Max consumption	W < 7
Fit temperature	°C 0+50
SUPPLIED POWER UNIT	
DC connector	mm 2,1
AC mains	100+240V~ 0,5A, 50+60 Hz
Delivered voltage and current	12Vdc 1,5A

Example of application

