

# AV-COFDM standalone modulator

## MAC201

REF. 4449



- 2 video and stereo audio inputs
- RF COFDM DVB-T output
- Excellent modulation quality MER: 38dB
- Processing and insertion of PSI/SI tables
- LCN support (Logical Channel Number)
- Remote control and firmware updates via web/Ethernet

Technical specifications



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### Input section

Video inputs		2 x CVBS SD
Video input level	Vpp	0.7 ... 1.4
Coding		PAL/NTSC/SECAM
Impedance	$\Omega$	75
Audio inputs		2 x mono/stereo
Audio input level	Vpp	0.5 ... 4.0
Connectors		RCA

### Processing

Video compression		MPEG2 MP@ML
Maximum resolution		PAL 720x576@25fps NTSC 720x480@30fps
Quality		DVD Full D1
Audio compression		MPEG1 Layer II
Insertion of PSI/SI tables		YES: PAT, PMT, SDT, NIT, TDT, TOT, EIT
LCN processing		YES

### Output section

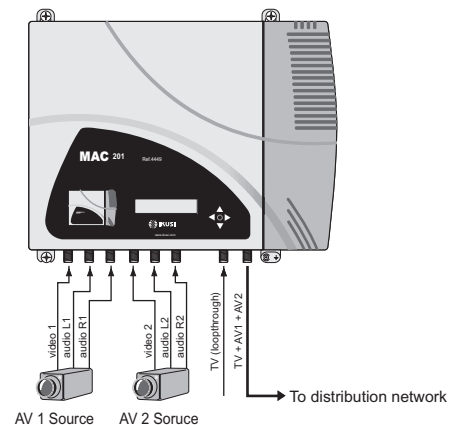
DVB-T standard		ETSI EN 300 744
Carriers		2K, 8K
Modulation		16QAM, 64QAM
Guard intervals		1/4, 1/8, 1/16, 1/32
Code rate		1/2, 2/3, 3/4, 5/6, 7/8
Frequencies	MHz	51 ... 858
Bandwidths	MHz	6, 7, 8
Average output power	dB $\mu$ V	80
Output attenuation	dB	1
Level adjustment	dB	-15
MER	dB	38 (Typical)
Band aliasing	dB	$\leq 50$
Band noise (8 MHz)	dBc	$\leq 70$
Frequency stability	ppm	$\leq \pm 30$
Frequency pitch	kHz	1
Connectors		2 x F (Loophthrough)
Impedance	$\Omega$	75

### General

Power supply	V <sub>AC</sub>	230 - 240
Consumption		0.45 A / 30 W
Operating temperature	°C	0 ... +45
Dimensions (without connectors)	mm	302x251x44
Weight	kg	2.5

### Interface

Standard		Ethernet 10Base-T
Local interface		LCD + joystick
Remote interface / updates		Web / Ethernet
Languages		Spanish, English, French



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