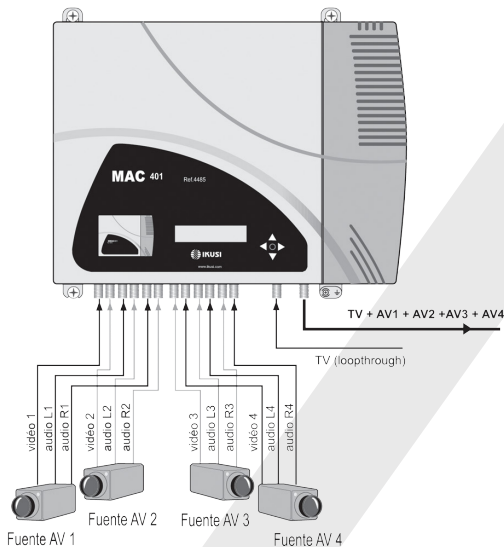




PRODUCT CODE: IK-MAC401

## FOUR CHANNEL AV-COFDM STANDALONE MODULATOR CONVERTS 4 X AUDIO/VIDEO \\ SOURCES INTO 1 X DVB-T CHANNEL



- 4 x Individual Composite (RCA) Inputs (L&R Audio and Video)
- 1 x DIGITAL COFDM Output via "F-Type" Connection
- 1 x "F-Type" Loop Through for Cascading Multiple Units

### KEY FEATURES:

- 4 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

### PERFECT SOLUTION FOR LARGE DOMESTIC AND COMMERCIAL APPLICATIONS

- SAVES CHANNEL SPECTRUM SPACE
- REDUCES CHANNEL LOAD ON  
DISTRIBUTION AMPS



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**Input section**

Video inputs		4 x CVBS SD
Video input level	Vpp	0.7 ... 1.4
Coding		PAL/NTSC/SECAM
Impedance	$\Omega$	75
Audio inputs		4 x mono/stereo
Audio input level	Vpp	0.5 ... 4.0
Connectors		RCA

**Processing**

Video compression		MPEG2 and MPEG4 Layer II
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 and TOT
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	VAC	230 - 240
Consumption		0.45 A / 30 W
Operating temperature	$^{\circ}$ 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		English, Spanish, French, italian

