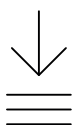


AV-COFDM Stand Alone Modulators

Modulator that allows audio and video signal input in TV distributions and video playback from a USB port, with applications in Digital Signage for hotels, shops, restaurants etc.

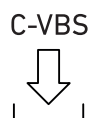


Maximum compression
quality MPEG-2 & H.264/
MPEG-4 AVC



S-VIDEO

S-VIDEO and component VIDEO
input connector (Y Pb Pr, RGB)
for optimum image quality

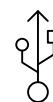


C-VBS

CVBS and stereo
audio input
connectors



LCN support and
DVB processing



Video playback
through USB port

Main Features

Model MAC-HOME (4488)

Input		CVBS, S-VIDEO, Y Pb Pr, RGB
Video input level (CBVS)	Vpp	0.7 ... 1.4
Video coding		PAL/NTSC/SECAM/B&W
Audio inputs		1x mono/stereo
Compression		
Video		MPEG2 MP@ML, H.264/MPEG-4 AVC MP L4.1
Video resolution		720x576, 25 fps (PAL), 720x480, 30 fps (NTSC)
Video Bit Rate	Mbits/s	4 - 10
Audio		MPEG1 Layer II
Audio Bit Rate	Kbits/s	96, 128, 160, 192, 224, 256, 320, 384
DVB Processing		
Insertion of tables		PAT, PMT, SDT, NIT
Configuration		Channel Name, SID, LCN, NID, Network Name, Provider Name, TSID, ONID, NIT MODE, LCN Private Descriptor
Output		DVB-T according to ETSI EN 300 744
Bandwidths	MHz	6/7/8
Carriers		2K (UK) / 8K (FR)
MER	dB	≥ 35
Central frequency	MHz	474 - 858
Output level	dBμV	≥ 80
Output attenuation	dB	≤ 1.5
Level adjustment	dB	-25
Frquency stability	ppm	≤ ±30
Noise figure (ΔB=8MHz)	dBc	≤ -45
Loophthrough		Yes
General		
Power supply	VAC	230 - 240
Consumption	W	8.1
Dimensions (without connectors)	mm	210 x 114 x 32
Weight	kg	1
Video input connectors		1 RCA (CVBS) ; 1 MINI DIN (S-VIDEO) , Y Pb Pr, RGB ; 1 USB
Audio input connectors		2 RCA (L & R)
Local interface		LCD + Joystick
Application software		USB PLAYER included
Update		Yes

Application examples

USB PLAYER function

The MAC-HOME modulator now has a new function to create and play back videos created by users with the software supplied with the product.

Users can create files containing images, videos and music in a simple and intuitive way, and play them on a television network such as a Service Channel (in communities of residents) or those designed for Digital Signage in countless applications, including advertising and information (hotels, restaurants, shopping centres, supermarkets, exhibition rooms, conferences, museums etc.).

After downloading and installing the “conversor-mac-installer.exe” application on their PC, users create a composition of images with audio that can be played back through the modulator’s USB port.

Video and image files in the following formats are supported:

- Image: jpg, png, bmp, gif
- Video: wmv, mpg, mp4, ts, avi
- Audio: mp3

The MAC-HOME already sold can be updated from the website to offer this feature.



Easy set-up

- Drag the files to the “conversor-mac” application.
- Start the conversion process to generate a .ts video.
- Insert a USB flash drive with the video in the MAC-HOME, will start playing automatically.
- The video can be up to 40 minutes in length and played on a loop.



Create your own advertising and information channel using only your MAC-HOME.

... for communities of residents
an information channel on their television



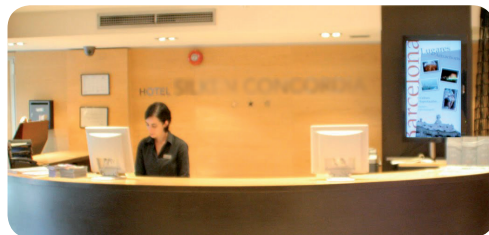
... for restaurants

information about daily menus, special deals, etc



... for hotels

meeting rooms, exhibitions, messages, etc



... for Public Spaces

advertising, user information, news, etc



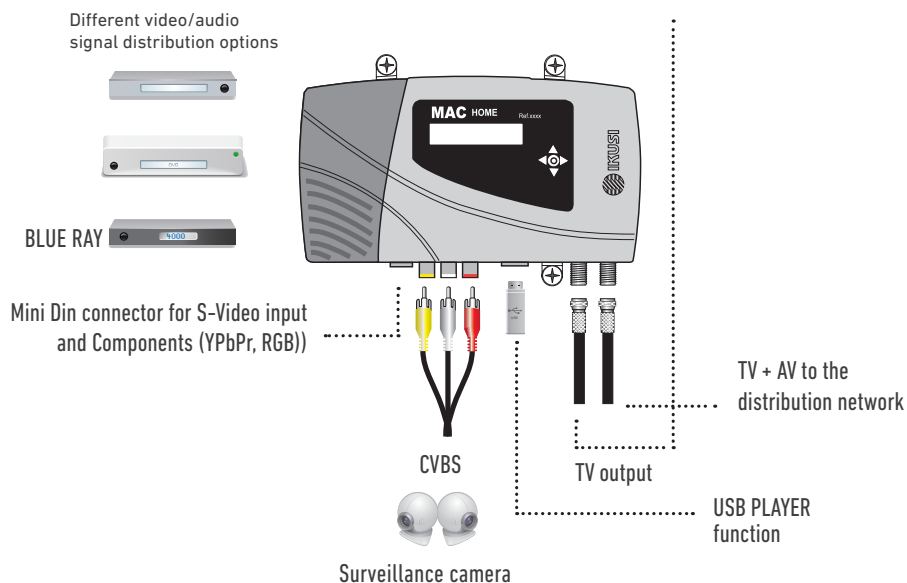
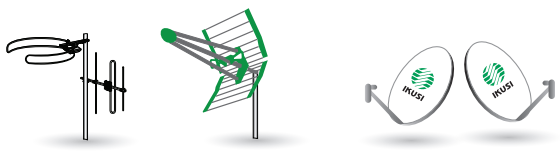
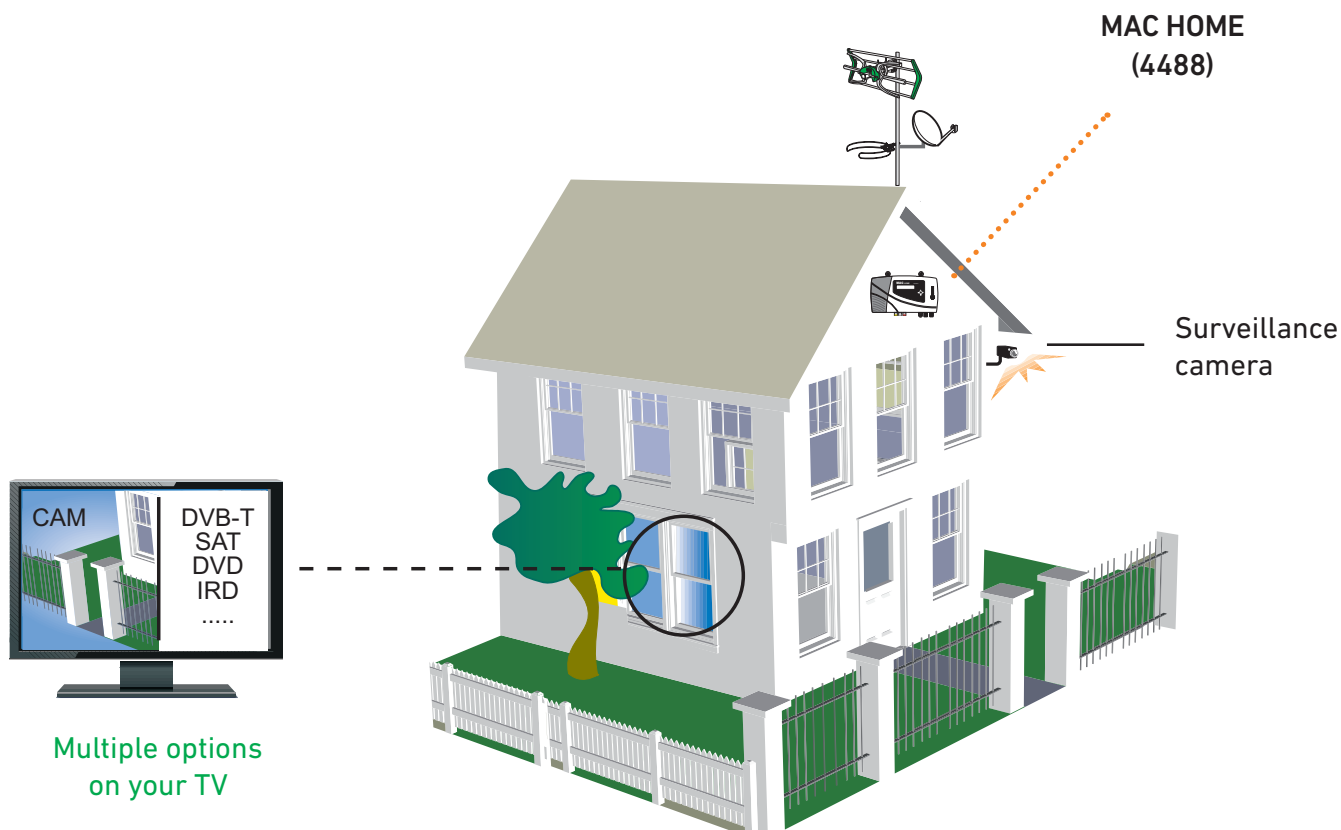
... for shopping centres

new collections, special deals, etc



Creating a channel with the MAC-HOME is as easy as copying a video to a USB drive and connecting it to the computer.

Application Example



MINI DIN Connector



Pin	Name	Description
1	GND	Ground (Y)
2	GND	Ground (C)
3	Y	Intensity (Luminance) / Component: to green
4	C/Pr	Color (Chrominance) / Component: to red
5	Pb	Component: to blue
6	GND	Ground
7	GND	Ground