

High definition standalone modulator



MAC-HD

- Audio/Video ► DVB-T ; DVB-C and IP
- Two analogue video and audio channels through 6 RCA jacks.
- Digital audio and video channel in HDMI format through HDMI connector.
- Digital audio and video channel in HD-SDI format through BNC connector.
- Web interface configuration by application IKUSI HEADEND DISCOVERY

MODEL		MAC-HD
REF.		4493
Video input		4 (2x) CVBS, HDMI, HD-SDI
Video standard		PAL/SECAM/NTSC/B&W
Input level CVBS	Vpp	0.7 - 1.4
Audio inputs		1 (mono and stereo)
Audio input level (analogue)		0.5 - 2.5
Video compression		MPEG2 MP@ML, H.264/MPEG4 AVC MP L4.1
Audio compression		MPEG1 layer II
Maximum resolution		1080p60
DVB-T / DVB-C output		DVB-T in accordance with ETSI EN 300 744 DVB-C in accordance with ETSI EN 300 429
Bandwidths	MHz	6 / 7 / 8
Number of carriers		2K / 8K
MER	dB	≥ 40
Frequency range	MHz	45 - 858
Output level	dBuV	≥ 80
Output attenuation	dB	0.5
Lever adjustment	dB	-25
Frequency stability	ppm	≤±30
Spurious in band	dBc	≤-60
Noise figure (ΔB = 8 MHz)	dBc	≤-65
Loophrough frequency		45 MHz at 2.5 GHz
DVB-C symbol rate	Kbps	3000 - 8000
Constellation		DVB-T: 16QAM , 64QAM DVB-C: 16QAM , 32QAM , 64QAM , 128QAM , 256QAM
IP output		IEEE 802.3 10/100 Base T
IP encapsulated type		According to ETSI TS 102 034 v1.31(2007-10) and SMPTE ST 2022-2:2007
Outflow IP		CBR / VBR
IP address		Unicast / Multicast
Protocols		UDP / RTP
IP encapsulated format		SPTS
DVB processing		PAT, PMT, SDT, TDT, TOT
NIT and SDT adaptation		Yes
PSI/SI adaptation		Generation and insertion of PAT, PMT, SDT, NIT tables
SID configuration		Yes
Channel name edition (EIT)		Yes (ex. "camera pool")
EIT edition		Yes (ex. "open 9h from 18h")
Firmware upgrade		Yes, web or USB interface
Mains voltage	VAC	230 - 240
Consumption	W	19
Dimensions / poids	mm/kg	300 x 250 x 40 / 2.5

New option with QAM output.

The MAC HD model is a standalone modulator unit which can handle different audio and video formats to make up a high-definition DVB-T/C and IP channel which can be active simultaneously.

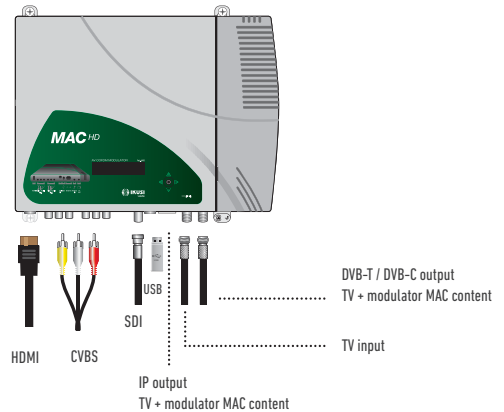
The unit has three output types:

- DVB-T ; DVB-C and IP.







This product aims to meet video signal distribution requirements in residential facilities, hotels and landmark buildings, along with video surveillance installations with COFDM/QAM and IP digital TV modulation. The MAC HD also has a USB interface to add new functions thanks to the evolving computer software, such as video playback from a USB memory stick for digital signage and other possible future additions.

The end user can program the modulator in different ways:

- LCD and joystick placed on the front of the unit.
- Web interface configuration by application IKUSI HEADEND DISCOVERY. (Programming with IP output is only possible with this mode).



Some of the supported video sources

- Blu-Ray channel 
- DVD channel 
- Satellite channel (IRD) 
- Video surveillance channel 
- Studio channel 
- Information channel 
- Advertising channel USB 