

## Receive new HD TV channels in your old TV sets.

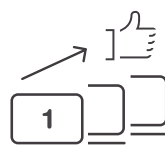
A new solution for converting DVB-T/T2 MPEG4 services into DVB-T/ DVB-C MPEG2 services. It is also suitable to transmodulate DVB-T2 channels into DVB-T/DVB-C.



**Right solutions**  
Change the headend and not  
the TV sets



**Experience and reliability**  
Many transcoding projects  
installed for many years



**Evolving solution**  
Continuous evolution to add  
new features

Ikusi offers the only tested solution to convert MPEG4 HD format into MPEG2 SD format. The HTL-TT2 module allows using existing legacy SD TV sets once the new HD DTT arrives.



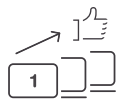
#### ☑ Right solution

With Ikusi transcoding solution, you don't have to change the existing legacy SD TV sets and you can continue watching the latest content. Ikusi headend gives you the time you need to decide when and how to upgrade your TV devices.



#### ☑ Experience and reliability

Ikusi is the European leader in hospitality market and more than 3.000 sites have our solution installed, many with more than 4 years of continuous service. During this time, our solution has faced many signalling changes and has adapted its configuration to all of them automatically. Our installers can be confident because they don't need to rely on new and untested solutions.



#### ☑ Evolving solution

We continue developing transcoding solution and adding new features to our headend. All these coming features will be at your disposal free of charge. For example, DVB-C output has been recently implemented. To upgrade your headend, you just need to visit our website, download the latest firmware version and install it. 100% free.

The HTL-TT2 module is able to receive services from 2 different input muxes and to combine them into a single DVB-T output. It can manage both HD and SD services in MPEG4 H.264 or MPEG2. One of the modules in each headend is designated the master module. Having a single configuration interface simplifies setup and maintenance. The headend is managed as a whole instead of module by module.

Model		HTL-TT2
Ref.		3859
Standard		EN 300 744 DVB-T ; EN 302 755 DVB-T2
Input		
No. of inputs		1 (dual tuner)
Frequency band	MHz	470 - 700
No. tuned programs		-If transcoder activated, treatment capacity is limited to 4 channels and up to 8 audio streams. -If transcoder deactivated, treatment capacity is limited only by output bitrate. Typically up to 31 Mbps for DVB-T and up to 55 Mbps for DVB-C. -Transcoder does not treat subtitles HD to subtitle SD.
Input level	dBμV	40 - 92
Input loop gain	dB	0 (±1)
TS Processing		
PSI/SI adaptation		Generating and inserting tables PAT, PMT, CAT, SDT, NIT, TOT and BAT
NIT (Network Information Table) adaptation		Yes (generated automatically)
SDT (Service Description Table) adaptation		Yes (configurable name input)
Processing LCN, TDT, TOT		Yes
Transcoding		
Supported usecases *		1080i mpeg4 > 576i mpeg2
		576i mpeg4 > 576i mpeg2
Audio		mpeg I layer II passthrough
		AC3 > mpeg I layer II
		AC3Plus > mpeg I layer II
Output		
No. of outputs		2 channels DVB-T / DVB-C
Frequency band	MHz	DVB-T: 47 - 862 DVB-C: 47 - 862
MER	dB	> 40
Output level	dBμV	80
Adjustable output level	dB	-15
Output bandwidth	MHz	6 / 7 / 8
Output loop step attenuation	dB	1.1
General		
Configuration		PC. Web, Ikusi Headend Discovery
Firmware upgrade		Web interface
Supply voltage	VDC	+12
Consumption	A	2
Operating temperature	° C	0 ... +45
IKUNET bus connector		2x RJ-45
Dimensions	mm	230 x 195 x 32

\* More usecases can be supported and validated upon request