

# WISI OH 89 2

Twin DVB-C/-T/-T2 - COFDM transmodulation with CI



**ELPAS**



## Description

Powerful technology, compact dimensions, modular and flexibly expandable; the WISI COMPACT HEADEND System OH combines all the advantages of an innovative and affordable headend. WISI Compact Headend OH is easy to configure. With up to 14 module slots it offers channel processing for 14 analogue or 28 digital channels in a 3 HU 19" rack chassis. WISI Compact Headend OH operates on a high efficiency power supply, with low consumption modules in order to make a minimum ecological impact and a low operational cost. The USB connection and the RJ45 interface can be used to execute software updates for the basic unit as well as for the modules. Furthermore, all functions can be furnished from a distance per web browser.

## At a glance:

- Reception of two DVB-T / T2 / C signals and transmodulation into two COFDM-TV channels (coupled)
- Re-multiplexing function
- Input frequency range 45...862 MHz
- Output frequency range 47-862 MHz

## Technical data

### Input

Input frequency range	45...862 MHz
Input frequency steps	0,250 MHz
Output channel band width	6/7/8 MHz
channel bandwidth DVB-T2	1,7 / 5 / 6 / 7 / 8 MHz
Input level range	47...90 dB $\mu$ V
FEC DVB-C	Conv., RS 188, 204
QAM-Modulationsart	QPSK, 16QAM, 64QAM, 128QAM, 256QAM
QAM Symbolrate	1...7,2 Mbaud
FEC DVB-T	Conv., K=7, G=1/2, 2/3, 3/4, 4/5, 5/6, 7/8
Modulation schema DVB-T	QPSK, 16-, 64-QAM
Guard Intervall DVB-T	1/4, 1/8, 1/16, 1/32
FFT DVB-T	2k, 8k switchable
FEC DVB-T2	LDPC/BCH-Code 1/2, 2/3, 3/4, 4/5, 5/6, 3/5
Modulation scheme DVB-T2	QPSK, 16QAM, 64QAM, 256QAM
Guard Intervall DVB-T2	1/4, 1/8, 1/16, 1/32, 1/128, 19/128, 19/256
FFT DVB-T2	1k, 2k, 4k, 8k, 16k, 32k

### Output

Output frequency range	45...862 MHz (channel A)
Output frequency steps	250 kHz
Frequency stability	$\pm$ 30 MHz
Output channel bandwidth (couplett)	2 x 7/8 MHz
Output level	82...97 dB $\mu$ V (Depending on QAM-symbol rate)
Amplitude response (O-E)	$\pm$ 1 dB
Spurious suppression	$\geq$ 50
S/N	$\geq$ 41 dB
MER	$\geq$ 37 dB
Modulation	QPSK, 16-, 64-QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32
FFT Mode	2k, 8k switchable
Bit stuffing	Yes
PCR correction	Yes
PID filtering and remapping	Yes

### Connectors

F-socket	3 pcs.
Common Interface	2 pcs.

### General data

Power consumption	<10 W
Supply voltage DVB-T antenna	12 V DC (830 mA)
Dimensions (width x height x depth)	29,5x105x253 mm
Operating temperature range	-20...+55 °C

## Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	3,5 x 1,8 x 0,8 mm

## Packaging data

Packaging volume sales unit	dm <sup>3</sup>
Gross weight sales unit	0.494 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2.681 dm <sup>3</sup>
Gross weight shipping unit	0.59 kg
EAN	4010056730406
Article number	73040
Customs tariff number	8543709000