

# WISI OH 89

Twin DVB-T/C – COFDM transmodulator with CI



## 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/C-signals and transmodulation into two COFDM-TV channels (coupled)
- Input frequency range 110–878 MHz
- Output frequency range 47–862 MHz

## Technical data

<b>Input</b>	
Input frequency range	110...878 MHz
Input frequency steps	250 MHz
Input level range	47...90 dB $\mu$ V
Modulation type	QPSK, 16QAM, 64QAM
COFDM-Spectrum DVB-T	2 k/8 k
COFDM modulation type	QPSK, 16QAM, 64QAM
COFDM Guard Intervall	1/32, 1/16, 1/8, 1/4
COFDM FEC inner code	Conv., K=7, G=1/2, 2/3, 3/4, 4/5, 5/6, 7/8
QAM-Modulationsart	16-, 32-, 64-, 128-, 256-QAM
QAM Symbolrate	1...7 Mbaud

## Output

Output frequency range	47...862 MHz
Output frequency steps	250 kHz
Frequency stability	$\pm$ 30 MHz
Output channel bandwidth (couplett)	7/8 MHz
Output level	82...97 dB $\mu$ V
Amplitude response (O-E)	$\pm$ 1 dB
Spurious suppression	>50 dB
S/N	$\geq$ 41 dB
MER	$\geq$ 37 dB
Modulation	QPSK, 16-, 64-QAM
FEC outer DVB-S	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32
FFT modus	2 k/8 k
Bit stuffing	Yes
PCR correction	Yes
PID filtering and remapping	Yes
Editing transponder tables	Yes

## Connectors

F-socket	3 pcs.
Common Interface	2 pcs.

## General data

Power consumption	<10 W
Supply voltage DVB-T antenna	12 V DC (800 mA)
Dimensions (width x height x depth)	29,5 x 105 x 253 mm
Operating temperature range	-20...+55 °C

## Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	325 x 150 x 55 mm
Packaging volume sales unit	dm <sup>3</sup>
Gross weight sales unit	0.600 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2.681 dm <sup>3</sup>
Gross weight shipping unit	0.6 kg
EAN	4010056706999

## Packaging data

Article number	70699
Customs tariff number	85437090