

# WISI OH 84

4ch DVB-S/S2 QAM transmodulator



## 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 4 DVB-S/S2 signals and transmodulation into 4 DVB-C channels
- Input frequency range 950–2150 MHz
- Output frequency range 47–862 MHz
- Integrated distribution matrix
- DiSEqC 1.0
- PID filtering
- NIT and LCN generation

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## Technical data

### Input

|                                |                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Input frequency range          | 950...2150 MHz                                                                                      |
| Input frequency steps          | 1 MHz                                                                                               |
| Return loss IN                 | >8 dB                                                                                               |
| Isolation internal multiswitch | >30 dB                                                                                              |
| Input level range              | 47...90 dBμV                                                                                        |
| AFC                            | ±10 MHz                                                                                             |
| Modulation                     | QPSK (EN300421), QPSK 8PSK (EN302307)16APSK, 32APSK                                                 |
| Symbol rate                    | QPSK: 1...53 MS/s; 8PSK: 1...45 MS/s; 16APSK: 1...35 MS/s; 32APSK: 1...28 MS/s                      |
| Spectral inversion             | normal or inverted                                                                                  |
| FEC outer DVB-S                | RS 204-16                                                                                           |
| FEC inner DVB-S                | 1/2, 2/3, 3/5, 5/6, 7/8                                                                             |
| FEC outer DVB-S2               | BCH                                                                                                 |
| FEC inner DVB-S2               | (1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (QPSK) /5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK)) |

### Output

|                                   |                         |
|-----------------------------------|-------------------------|
| Output frequency range            | 45...862 MHz            |
| Output frequency steps            | 250 kHz                 |
| Frequency stability               | ±30 MHz                 |
| Output channel bandwidth (couple) | 4 x 8 MHz               |
| Output level                      | 88...103 dBμV           |
| Amplitude response (O-E)          | 1 dB                    |
| Modulation type                   | 32-, 64-, 128-, 256-QAM |
| Symbol rate                       | 4,48...7,20 MS/s        |
| Spurious suppression              | >50 dB (at QAM 256)     |
| SNR                               | ≥45 dB                  |
| MER                               | ≥40 dB                  |
| Bit stuffing                      | Yes                     |
| SI-Table handling                 | Yes                     |
| PID filtering                     | Yes                     |
| LCN                               | Yes                     |
| NIT generation                    | Yes                     |

### Connectors

|          |        |
|----------|--------|
| F-socket | 5 pcs. |
|----------|--------|

### General data

|                                     |                              |
|-------------------------------------|------------------------------|
| Power consumption                   | <10 W                        |
| LNB supply voltage                  | 14...18 V DiSEqC 1.0 / 22KHz |
| LNB electrical power supply         | 0.5 A                        |
| 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 | mm       |
| Packaging volume sales unit   | dm³      |
| Gross weight sales unit       | 0.587 kg |
| Shipping unit                 | pcs.     |

## Packaging data

|                                   |               |
|-----------------------------------|---------------|
| Dimensions (WxHxD) shipping unit  | mm            |
| Packaging volume shipping package | 2.681 dm³     |
| Gross weight shipping unit        | 0.587 kg      |
| EAN                               | 4010056735470 |
| Article number                    | 73547         |
| Customs tariff number             | 85437090      |