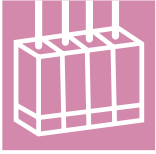




... a link to the future



# Product Information

OV 75 M Dual channel transmodulator

PRELIMINARY  
CE



- ⊕ Reception of two DVB signals und transmodulation to one or two digital QAM-TV-channels
- ⊕ Integrated stuffing unit
- ⊕ Integrated remultiplexer (only with 1 output channel in a later revision)
- ⊕ Integrated transportstream (SI) handling
- ⊕ Output frequency range 45 – 862 MHz
- ⊕ Output configuration loop/single switchable
- ⊕ Easy menu with 4 buttons
- ⊕ Alphanumeric LC-Display
- ⊕ Integrated connector for remote management (OV51A / OV52).

# OV 75 M Dual channel transmodulator

## Technical data

### Input

See correspondent modul data sheet

### Output

|  |          |  |
|--|----------|--|
| Output impedance                                   |          | 75 Ohm                                   |
| Output frequency (channel A)                       |          | 45 – 862 MHz                             |
| Output frequency steps (channel A)                 |          | 500 kHz                                  |
| Output frequency spacing (between channel A and B) |          | 6 – 16 MHz<br>(1 MHz steps)              |
| Stability of output frequency                      |          | ± 30 kHz                                 |
| Output channel bandwidth                           |          | 8 MHz<br>(dependent from QAM symbolrate) |
| Output level                                       | (loop)   | 64 – 74 dB $\mu$ V                       |
|  | (single) | 74 – 84 dB $\mu$ V                       |
| Output level steps                                 |          | 1 dB                                     |
| Stability of output level                          |          | ± 1 dB                                   |
| Return loss  |          | ≥ 14 dB                                  |
| Modulation   |          | 16-, 32-, 64-, 128-, 256-QAM             |
| Symbolrate   |          | 3,45 – 7,1 Ms/s                          |
| Filtering  |          | Nyquist $\sqrt{\cos}$                    |
| Roll-off   |          | 15 %                                     |
| FEC outer code                                     |          | RS (204,188,16)                          |
| Spectral inversion                                 |          | normal/inverted                          |
| Interleaving                                       |          | Conv., l=12                              |
| Spurious   |          |  |
| inside TV-channels                                 |          | > 50 dB                                  |
| outside a TV-channel                               |          | > 50 dB                                  |

### General

|                            |                   |
|----------------------------|-------------------|
| Housing                    | zinc die-cast     |
| Size                       | 260 x 200 x 30 mm |
| Connectors:                |                   |
| RF-input                   | IEC-connector     |
| RF-output                  | F-connector       |
| Operating temperatur range | - 20°C to + 55°C  |
| Nominal temperatur range   | + 5°C to + 55°C   |
| Display (7x4 characters)   | alphanumeric LCD  |
| Keyboard                   | 4 buttons         |

