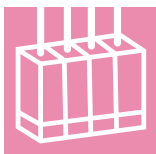




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Product Information

OV 75 M Dual channel transmodulator



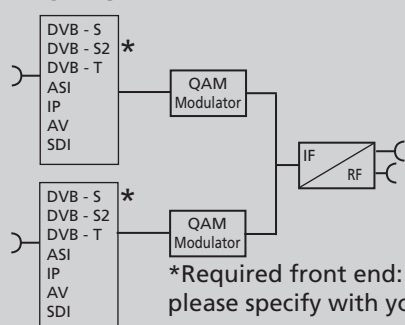
NEW!
COFDM modulator
available



WISI TOPLINE HEADEND

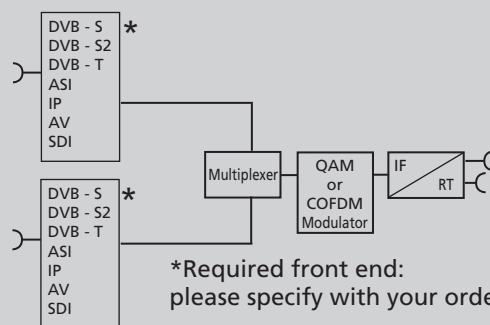
- Reception of two DVB signals and transmodulation into one / two digital QAM TV-channels or into one COFDM TV-channel
- Integrated stuffing unit
- Integrated remultiplexer (only with 1 output channel)
- Integrated transportstream (SI) handling
- Output frequency range 45 – 862 MHz
- Output configuration loop/single switchable
- Alphanumeric LC-Display
- Integrated connector for remote management (OV51A / OV52).

OV 75 xx



*Required front end:
please specify with your order

OV 75 xx



*Required front end:
please specify with your order

OV 75 M Dual channel transmodulator

Specifications

Input See corresponding modul data sheet

Output QAM / COFDM

Output impedance	75 Ohm
Output frequency (channel A)	45 – 862 MHz
Output frequency steps (channel A)	250 kHz
Output frequency spacing (between channel A and B, only QAM)	4 – 8 MHz (1 MHz steps)
Return loss output	≥ 14 dB

QAM modulator

Output channel bandwidth (depends on QAM symbolrate)	8 MHz
Output level	loop (16-128 QAM) 64 – 74 dBμV (256 QAM) 70 – 80 dBμV single (16-128 QAM) 74 – 84 dBμV (256 QAM) 80 – 90 dBμV
Output attenuation	1 dB steps 0-10 dB
Modulation	16-, 32-, 64-, 128-, 256-QAM
Symbol rate	1,0 – 7,499 Ms/s
MER @ 256 QAM	typ. 42 dB
Filtering	Nyquist $\sqrt{\cos}$
Roll-off	15 %
FEC outer code	RS (204,188,16)
Spectral inversion	normal/inverted
Interleaving	Conv., I=12
Spurious emissions	
inside TV-channels	> 50 dB
outside a TV-channel	> 50 dB

COFDM modulator

Output channel bandwidth	5, 6, 7, 8 MHz
Output level	loop 58 – 74 dBμV single 68 – 84 dBμV
Output attenuation	1 dB steps 0-16 dB
Modulation	QPSK, QAM 16, QAM 64
MER	≥ 36 dB
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
Shoulder attenuation	> 50 dB

Standard compliance

- ETSI EN 300744 V1.51 Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for digital terrestrial television



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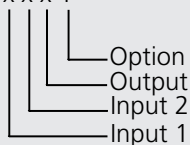
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General

Housing	Zinc die-cast
Size	260 x 200 x 30 mm
Connectors	
RF-in / output	F-type
Operating temperature range	- 20°C to + 55°C
Storage temperature	-25°C to + 75°C

Ordering Informations

O V 7 5 M x x x 1



Input 1-2

0 - n.u.
1 - DVB-S
2 - n.u.
3 - DVB-S2
4 - DVB-T
5 - DVB-C
6 - AV-MPEG2-Encoder
7 - ASI - Input/Output
8 - ASI - Dual input
9 - Ethernet - Input
A - SDI - MPEG
Unapplicable:
2 x DVB-S2

Output

1 - Remux QAM
2 - Dual QAM (*with* Transport Stream handling)
3 - Dual QAM (*without* Transport Stream handling)
4 - Remux COFDM

Example

OV 75 M 11 21 = 2 x DVB-S Dual-QAM
OV 75 M 44 11 = 2 x DVB-T Remux-QAM
OV 75 M 47 11 = DVB-T / ASI Remux-QAM
OV 75 M 66 41 = 2xAV-Encoder Remux COFDM
OV 75 M 40 41 = DVB-T-COFDM Repeater



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