

TTC 501 TWIN-Transmodulator COFDM ⇔ analog-TV



The **TTC 501** converts two programs from any DVB-T/COFDM channel into two independent adjustable analog TV channels of 45 ... 862 MHz (PAL, SECAM, NTSC). The device is equipped with 2 Common-Interface slots for CA-modules to enable decryption of encrypted programs.

This module can be operated & managed locally and remotely via the unique central control unit (HCB 100/200) and offers a most cost and space efficient solution for any cable operator.

- **Modular design allows installation of 8 modules (with BSR 008 subrack) or 16 modules (with MSR 016 subrack)**
- **2 Frequency agile RF outputs (45 ... 862 MHz)**
- **2 Common Interface slots for CA Modules**
- **Excellent RF performance (S/N ≥60 dB) & high input sensitivity**
- **Easy and flexible local and remote control & operation (SNMP)**

COMPACT MODULAR HEADEND

VHF/ UHF Input	
Frequency range	47...862 MHz
Frequency grid	166.666 kHz, 62.5 kHz
AFC-Range	±500 kHz, ±125 kHz
Input level *)	44...85 dBμV
*) typ. min at 64-QAM, CR = 2/3, GI = 1/32, BER = 2*10 ⁻⁴ , Gaussian Channel	
Code rate	QPSK/16-QAM/64-QAM
1/2	30/36/41 dBμV
2/3	32/38/44 dBμV
3/4	33/39/45 dBμV
5/6	34/40/46 dBμV
7/8	35/41/47 dBμV
Impedance	75 Ω
Connector	F socket
Through loss	≤1.5 dB
COFDM Demodulator/ Decoder	
Carrier mode	2 k, 8 k
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Protection class	1/4, 1/8, 1/16, 1/32
Modulation	QPSK, 16 QAM, 64 QAM
Signal processing	EN 300 744 (DVB-T)
Decryption Interface	
Common Interface	per Channel PCMCIA-Slots according to EN 50221
Operating voltage	5 V

TV Output	
TV-Standard	B/G, D/K, I, L, M
Sound procedure (B/G, D/K)	FM dual carrier
Sound-Operating mode	B/G, D/K mono/ stereo/ dual/ auto I, L, M
Output level	max. 94 dBμV
Signal to noise ratio (S/N)	≥60 dB
Level adjustment range	0...20 dB (0.5 dB steps)
Channel allocation	adjacent channel ability
Through loss	≤1.5 dB
Output frequency range	45...862 MHz
Tuning grid	125 kHz
Connector	F socket
Impedance	75 Ω
Operating parameterP	
Voltage/ current (without CA-module)	12 V (±0.2 V)/ 850 mA



managed by
SNMP

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