

16 Channels TDT 8PSK/QPSK-QAM Transmodulator Unit 14MM-TERRATDT16



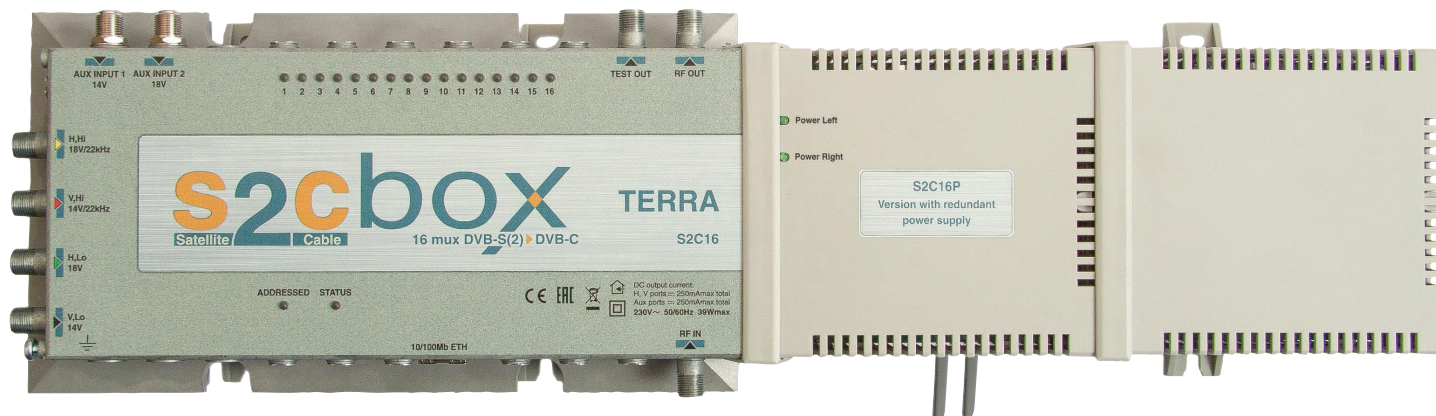
For the Best

The TERRA TDT16 (S2C16P) is a professional 16-channel DVB-S/S2 to DVB-C Transmodulator headend. The headend features dual power supplies for redundancy plus a large heat sync for passive cooling. The TDT16 is controllable by a simple and intuitive web-based user interface and provides SNMP traps and email alerts for remote monitoring. Foxtel approved (F30920).



Features and Benefits

- » Foxtel (F30920) approved
- » Built-in redundancy power supply with 2 separated mains leads
- » 6 satellite IF inputs
- » TS processing: PCR re-stamping service filtering, PSI/SI regeneration, NIT generation and PMT version monitoring
- » SNMP traps
- » Connectors: RF input & output, output test point - type F and web-based control - RJ-45



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14MM-TERRATDT16 Specifications

Number of channels		16	
RF input	Frequency range*	6x (950 - 2150 MHz)	
	Level AGC range/impedance	45-85 dBQV/75 Ω	
	LNB powering/control*	DiSEqC max. 500 mA +250 mA / 13 V/18 V, 22 kHz	
	Modulation	DVB-S demodulator (QPSK)	DVB-S2 demodulator (QPSK, 8PSK)
	Symbol rate*	2 ÷ 45 MS/s	2 ÷ 45 MS/s (QPSK), 2 ÷ 31.5 MS/s (8PSK)
	Code rate	1/2, 2/3, 3/4, 5/6, 7/8	QPSK 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
	Roll off	35 %	20 %, 25 %, 35 %
	Signal processing	ETS 300 421	ETS 302 307
RF output	Frequency range*	48 - 858 MHz, by step 100 kHz	
	Channel allocation	independent on other channels	
	Output level per carrier/impedance*	max. 90 dBμV/75 Ω	
	Total output level adjustment*	15 dB by 0.5 dB step	
	Carrier output level adjustment*	+3 dB...-3 dB by 0.5 dB step	
	Loop through frequency range/loss	45-862 MHz/3 dB	
	MER	≥ 43 dB	
	Modulation DVB-C*	QAM16, QAM32, QAM64, QAM128, QAM256	
	Channel bandwidth / symbol rate*	1.15...8.3 MHz / 1 ÷ 7.2 MS/s	
	Return loss	≥ 14 dB	
	Roll off	15 %	
	Signal processing	EN 300 429, ITU-T J.83 A (Annex A)	
Test point	-20 dB		
Input data rate		max. 90 Mbps per channel	
Management port		10/100 Base-T Ethernet	
Power consumption**		230 V- 50/60 Hz up to 29 W	
Operating temperature range		-10° ÷ +55°C	
Dimensions/Weight		373x135x69 mm / 2.8 kg (Packaged 492x135x69 mm / 3 kg)	

* software control

** without external DC load; with maximal external DC load up to 44 W