

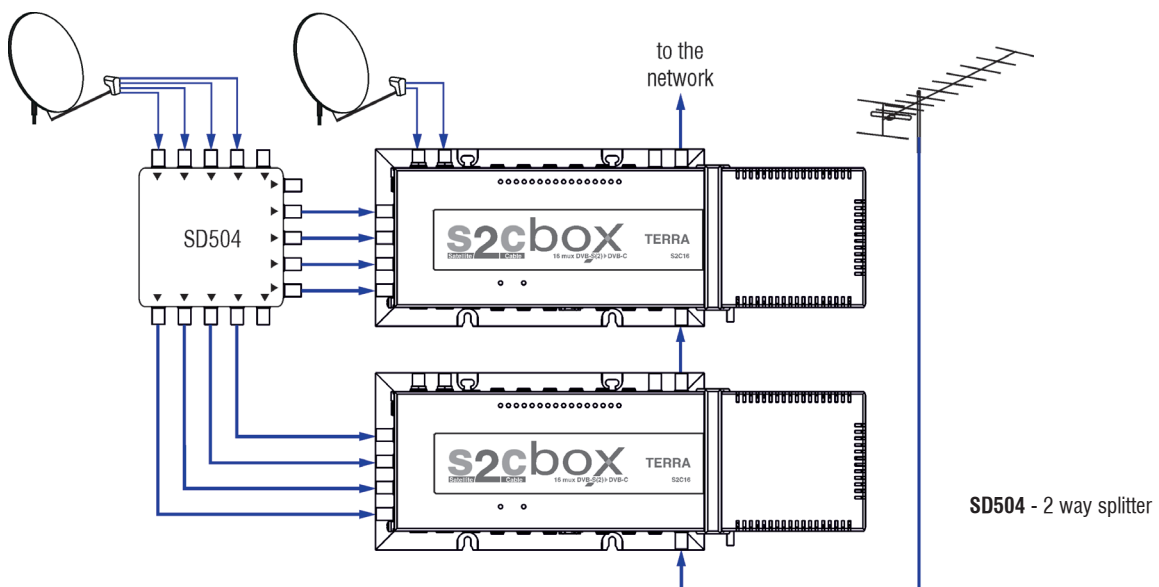


Stand alone headend 16 channels 8PSK/QPSK-QAM transmodulator

- **S2Cbox** - micro processing unit of 37x13.5x7 cm only, which allows distribution of satellite TV programs using the existing in house coaxial network structure
- extremely low power consumption - 30 W for 16 SAT transponders processing
- flexibility ensured by built-in 6 by 16 multiswitch
- easy output combining by loop through circuitry
- Web-based control of the headend makes easy setup and configuration



Application example of processing of 32 SAT TV transponders to 32 DVB-C channels and combining of terrestrial TV.





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Converting of 16 DVB-S/S2 8PSK/QPSK modulated SAT IF multiplexes into 16 QAM modulated DVB-C RF channels.

- 6 SAT IF inputs
- TS processing:
 - PCR restamping
 - service filtering
 - PSI/SI regeneration
 - NIT generation
 - PMT version monitoring
- SNMP traps
- die-cast housing
- connectors:
 - RF input & output, output test point - type F
 - Web based control - RJ-45



Technical specifications		S2C16	
T Y P E			
Ordering number		03817	
Number of channels		16	
RF input	frequency range	6x (950 - 2150 MHz)	
	level AGC range/impedance	45-85 dBμV/75 Ω	
	LNB powering/control	DiSEqC max. 2x250 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	4...8.3 MHz / 3.5 ÷ 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° ÷ +50° C	
Dimensions/Weight (packed)		373x135x69 mm / 2.8 kg	

pr. software control

* without external DC load;
with maximal external DC load up to 39 W

