



Stand alone headend 32 channels 8PSK/QPSK to 16/32 QAM transmodulators

Converting of 32 DVB-S/S2 modulated input signals into 16/32 QAM modulated DVB-C RF channels.

- 2 SAT IF inputs supporting EN50607
- TS file playback from USB flash
- compact fanless solution
- built-in redundancy power supply with 2 separated mains leads
- TS processing:
 - TS mux - any service to any output
 - PCR restamping
 - service filtering
 - PSI/SI regeneration
 - NIT generation
 - PMT version monitoring
 - BISS descrambling
- SNMP traps
- wall no 19" rack mounting
- die-cast housing
- connectors:
 - Web based control - RJ-45
 - TS playback: USB-A
 - RF ports - type F

S3C32VB
32 DVB-S/S2 transmodulator
to 16 DVB-C

S3C32WB
32 DVB-S/S2 transmodulator
to 32 DVB-C



Technical specifications

T Y P E		S3C32VB	S3C32WB
Ordering number		03885	03875
Number of input / output channels		32/16	32/32
Number of input ports		2	
RF input	frequency range	950 - 2150 MHz	
	level AGC range/impedance	50-94 dBμV/75 Ω	
	LNB powering/control	0/13 V/18 V, 22 kHz & 1 A per input channel, total 2 A max.	
	modulation	DVB-S/S2 demodulator (QPSK, 8PSK)	
	symbol rate	2 ÷ 45 MS/s (QPSK), 2 ÷ 31.5 MS/s (8PSK)	
	code rate	QPSK 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8, 8/9, 9/10 8PSK 3/5, 2/3, 3/4, 5/6, 8/9, 9/10	
	roll off	20 %, 25 %, 35 %	
RF output	signal processing	ETSI 300 421, ETSI 302 307	
	frequency range	48 - 858 MHz, by step 100 kHz	
	channel allocation	independent	
	output level per carrier/impedance	max. 90 dBμV/75 Ω	
	total output level adjustment	15 dB by step 1 dB	
	carrier output level adjustment	2.5 dB by step 0.5 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	
	roll off	15 %	
TS playback	signal processing	EN 300 429, ITU-T J.83 A (Annex A)	
	test point	-20 dB	
	file format	MPEG2 TS	
count of files		1	
Input data rate		max. 90 Mbps per channel	
Management port		10/100 Base-T Ethernet	
Power consumption*		230 V~ 50/60 Hz 25 W	
Operating temperature range		-10° ÷ +55° C	
Dimensions/Weight (packed)		485x176x107 mm / 7.8 kg	

pr. software control

* without external DC load; with maximal external DC load 75 W