



COMMERCIAL

HEADEND

TDT 32 x DVB-S/S2 TO QAM

Product Code: DS/BLUBOX32V1



The BLUBOX32V1 is the latest modern headend system that caters for all 32 Optus C1/D3 transponders and converts the digital DVB-S(2) satellite signals into DVB-C (QAM) signals transparently to transmit them in cable networks. The BLUBOX32V1 is at the forefront of TDT (Transparent Digital Transmodulation) and is distinguished by its user-friendly operating concept, setup configuration and maintenance.

FACTS & BENEFITS

- 32 x DVB-S(2) (QPSK/8PSK) into DVB-C (QAM)
- Configuration via LAN / IP
- Redundant switch mode power supply
- Compact dimensions and high energy efficiency
- Remote configuration and monitoring
- 32 x DVB-S(2) (QPSK/8PSK) into DVB-C (QAM)
- For the reception of SD/HD TV and Radio programs
- LNB control with 14/18 V + 22 kHz or DiSEqC
- Complete processing of the transport streams
- All 32 output channels can be placed individually in the spectrum
- 4 SAT IF and 2 AUX inputs per 16 QAM channels x 2
- Terrestrial RF input for feeding a DVB-T signal
- Wall or 19" rack mountable



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Specifications	DS/BLUBOX32V1		
Input Frequency Range	950 ... 2150 MHz		
Input Level / Impedance	45 ... 85 dBμV / 75 Ω		
LNB Power and Control	Vertical Low	0 V / 13 V	500 mA Max. Total
	Horizontal Low	0 V / 18 V	
	Vertical High	0 V / 13 V 22 kHz or DiSEqC	
	Horizontal High	0 V / 18 V 22 kHz or DiSEqC	
	AUX 1	0 V / 13 V	250 mA Max. Total
	AUX 2	0 V / 18 V	
Modulation	DVB-S2 (QPSK/8PSK)		
Symbol Rate Code Rate	2 - 45 MS/S (QPSK, 2 - 31,5 MS/s (8PSK) QPSK: 1/2, 3/5, 2/3, 4/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10		
Signal Processing	ETS 302 307		
Output Frequency Range	48 ... 858 MHz, 100 kHz Step		
RF Channel Allocation	Independent from other Channels		
Output Level per Carrier / Impedance	Typ. 87 dBμV / 75 Ohm		
Total Output Level Adjustment	0 ... - 15 dB by 0.5 dB Step		
MER	> 40 dB		
Modulation DVB-C	QAM16, QAM32, QAM64, QAM128, QAM256		
Channel Bandwidth / Symbol Rate	4 ... 8, 3 MHz / 3.5 ... 7.2 MS/s		
Roll Off	15 %		
Signal Processing	EN 300 429, ITU T J.83 A (Annex A)		
Loop Through Frequency Range	45 ... 862 MHz		
Loop Through Loss	Typ. 3 dB		
Input Data Rate	Max. 90 Mbps per Transponder		
Supply Voltage	200 ... 240 V / 50 Hz		
Power Consumption	Max. 115 W		
Operating Temperature	- 10 °C ... + 45 °C		
Dimensions (mm)	486 x 356 x 150		
Management Port	10 / 100 Base-T Ethernet		
Default IP Address	192.168.1.250		