

TECHNINET BS7

Digital 16-way Head-end - DVB-S(2) / DVB-C

Colour	EAN	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
silver/blue	4019588059955	0000/5995	3,8 kg	3 kg	27,3 x 20,3 x 5,7 cm	27,3 x 20,3 x 5,7 cm

TOP FEATURES

- Stand-alone head-end with 16-way DVB S(2) frontend and 16 output channels conforming to DVB-C (flexibly configurable)
- Outstanding output values due to direct implementation as FPGA solution
- 4 Sat-IF inputs with DiSEqC 1.0 functionality for sat multiswitches and 2 additional sat-IF inputs
- Power supply for LNB
- All transmission parameters can be set using web interface
- Remote maintenance and configuration via web interface
- Comprehensive baseband signal processing with channel filter functionality such as NIT, LCN
- High level of energy efficiency - only 1,81 Watt per channel
- No fan, therefore no noise and no maintenance
- Cascade capability for two head-ends - 32 DVB-C output channels

TUNER (DVB-S2)

- DVB-S2 demodulator: EN 302 307
- Demodulation: 8PSK, QPSK
- Symbol rates: 2 ... 45
- Roll off factor: 0,35
- FEC block size: 64 kB
- FEC Code rate (LDPC): 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- Outer coding (BCH): GF(2^16), t=8, 10, 12

LNB CONTROL

- Vertical: 13 V
- Horizontal: 17 V
- Band switch: 22 kHz
- Current consumption: max. 1.000 mA total

AMBIENT OPERATING CONDITIONS

- Ambient temperature: -5 ... 45 °C
- Humidity: 10 ... 75 %

CONFIGURATION, MONITORING

Network interface: RJ45, Ethernet, 100BaseT, TCP/IP

DVB-C OUTPUT

Modulation: 16-, 32-, 64-, 128-, 256-QAM

Symbol rate: 1 ... 7,2

MER: Typ. 45 dB (256-QAM, with equaliser)

Reception range: 46 ... 862 MHz

Output level: 98 per carrier, adjustable

Secondary wave suppression: > 50 dB

Signal output: F socket

Output impedance: 75 Ω

Return loss: ≥ 14 dB

POWER CONSUMPTION

In operation: 64 W

POWER SUPPLY

Frequency: 50 Hz

Nominal voltage: 230 V

Mains adapter: internal

SAT IF INPUT / MULTISWITCH

Reception range: 950 ... 2.150 MHz

input / output: F-socket

Impedance: 75 Ω

Input level: 49 ... 84

LNB voltage supply: 13 / 17 V & 22kHz

LNB power supply: Max. 1.000 mA

TUNER DVB-S

DVB-S tuner: 16

DVB-S demodulator: EN 300 421

Demodulation: QPSK

Symbol rates: 2 ... 45

Roll off factor: 0,35

FEC code rate: 1/2, 2/4, 3/4, 5/6, 6/7, 7/8

Interleaving: Convolutional; l=12

Outer coding: Reed Solomon 204, 188, T=8

SCOPE OF DELIVERY

TECHNINET BS7, Instruction manual