



TECHNINET BS6

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

EAN	Colour	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
4019588059931	silver/blue	0000/5993	3,11 kg	2,81 kg	37,5 x 7 x 13,5 cm	44 x 9 x 15,5 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(2¹⁶), t=8, 10, 12

LNB CONTROL

Vertical : 13 V

Horizontal : 18 V

Band switch : 22 kHz

Current consumption : max. 750 mA total

DiSEqC : 1 (sat. pos. (A/B/C/D))

AMBIENT OPERATING CONDITIONS

Ambient temperature : -10 ... 50 °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 : 3,5 ... 7,2

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

Reception range : 45 ... 862 MHz

Output level : 90 per carrier, adjustable

Secondary wave suppression : > 50 dB

Signal output : F socket

Output impedance : 75 Ω

Return loss : ≥ 14 dB

POWER CONSUMPTION

In operation : 44 W

POWER SUPPLY

Nominal voltage : 230 V

Frequency : 50 Hz

Mains adapter : internal

SAT IF INPUT / MULTISWITCH

Reception range : 950 ... 2.150 MHz

input / output : F-socket

Impedance : 75 Ω

Input level : 45 ... 85

LNB voltage supply : 13 / 18 V & 22kHz

LNB power supply : Max. 250 mA

TUNER DVB-S
DVB-S tuner : 16 Stück
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 BS6, Instruction manual