



TECHNINET BS5 Professional

Digital Multi-standard 8-way Head-end

EAN	Colour	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
4019588059900	blue/white	0000/5990	5,56 kg	3,95 kg	36 x 10 x 25 cm	49 x 14 x 34 cm

TOP FEATURES

Stand-alone head-end with 8-way multi-standard frontend DVB S(2)/-T(2)/-C, 6-way decoding (CI) and 8 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 1 terr./cable input, flexibly distributable across 8 multi-standard frontends

Power supply for LNB and active antennas

All transmission parameters can be set using the TMS-BS5 configuration software

Remote maintenance and configuration via PC software TMS-BS5

Comprehensive baseband signal processing with channel filter functionality such as NIT, LCN

High level of energy efficiency

No fan, therefore no noise and no maintenance

Cascade capability for two head-ends - 16 DVB-C output channels

TUNER (DVB-S2)

DVB-S2 demodulator : EN 302 307

Demodulation : 8PSK, QPSK

Symbol rates : 1 ... 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

AMBIENT OPERATING CONDITIONS

Humidity : 10 ... 75 %

Ambient temperature : 0 ... 45 °C

LNB CONTROL

Vertical : 14 V

Horizontal : 18 V

Band switch : 22 kHz

Current consumption : max. 250 mA (at F-socket no. 3)

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

CONFIGURATION, MONITORING

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

DECRYPTION SYSTEM

CI : 6x Yes

DVB-C OUTPUT

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

Symbol rate : 2,25 ... 7,2

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

Reception range : 47 ... 862 MHz

Output level : 110 @862 MHz, adjustable

Secondary wave suppression : > 60 dB

Signal output : F socket

Output impedance : 75 Ω

Return loss : 14 dB @47 MHz (-1.5dB/Oct.)

POWER CONSUMPTION	TUNER DVB-C	TUNER DVB-T
In operation : 28 W	input : F female	input : F female
POWER SUPPLY	Impedance : 75 Ω	Impedance : 75 Ω
Frequency : 50 Hz	Reception range : 48 ... 862 MHz	Reception range : 50,5 ... 858 MHz
Nominal voltage : 230 V	Symbol rates : 1 ... 7,2	Modulation : QPSK, 16-QAM, 64-QAM
Mains adapter : *Unnamed (Identifier: netzteil_intern)	Modulation : 16-, 32-, 64-, 128-, 256-QAM	Channel bandwidth : 6, 7, 8 MHz
SAT IF INPUT / MULTISWITCH	Nyquist roll-off : 0,15	FFT mode : 2k, 8k
Reception range : 950 ... 2.150 MHz	FEC coding : 204, 188	Guard interval : 1/4, 1/8, 1/16, 1/32
input / output : F-socket	TUNER DVB-S	FEC : 1/2, 2/3, 3/4, 5/6, 7/8
Impedance : 75 Ω	DVB-S demodulator : EN 300 421	TUNER DVB-T2
Input level : 60 ... 100	Demodulation : QPSK	input : F-Buchse
LNB voltage supply : 14 / 18 V & 22kHz	Symbol rates : 1 ... 45	Impedance : 75 Ω
LNB power supply : Max. 250 mA at input 3	Roll off factor : 0,35	Reception range : 50,5 ... 858 MHz
	FEC code rate : 1/2, 2/4, 3/4, 5/6, 6/7, 7/8	Modulation : QPSK, 16-QAM, 64-QAM, 256-QAM
	Interleaving : Convolutional; l=12	Channel bandwidth : 1,7 / 5 / 6 / 7 / 8 MHz
	Outer coding : Reed Solomon 204, 188, T=8	FFT mode : 1k, 2k, 4k, 8k, 16k, 32k
		Guard interval : 1/128, 1/32, 1/16, 19/256, 1/8, 19/128, 1/4
		FEC : 1/2, 3/5, 2/3, 3/4, 4/5, 5/6