



TECHNINET BS5 Professional

Digital Multi-standard 8-way Head-end

Colour	EAN	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
blue/white	4019588059900	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)

Power supply for LNB and active antennas

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

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

Outstanding output values due to direct implementation as FPGA solution

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

High level of energy efficiency

4 Sat-IF inputs with DiSEqC 1.0 functionality for sat multiswitches and 1 terr./cable input, flexibly distributable across 8 multi-standard frontends

Remote maintenance and configuration via PC software TMS-BS5

No fan, therefore no noise and no maintenance

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

In operation: 28 W

POWER SUPPLY

Frequency: 50 Hz

Nominal voltage: 230 V

Mains adapter: *Unnamed (Identifier: netzteil_intern)

SAT IF INPUT / MULTISWITCH

Reception range: 950 ... 2.150 MHz

input / output: F-socket

Impedance: 75 Ω

Input level: 60 ... 100

LNB voltage supply: 14 / 18 V & 22kHz

LNB power supply: Max. 250 mA at input 3

TUNER DVB-C

input: F female

Impedance: 75 Ω

Reception range: 48 ... 862 MHz

Symbol rates: 1 ... 7,2

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

Nyquist roll-off: 0,15

FEC coding: 204, 188

TUNER DVB-S

DVB-S demodulator: EN 300 421

Demodulation: QPSK

Symbol rates: 1 ... 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

TUNER DVB-T

input: F female

Impedance: 75 Ω

Reception range: 50,5 ... 858 MHz

Modulation: QPSK, 16-QAM, 64-QAM

Channel bandwidth: 6, 7, 8 MHz

FFT mode: 2k, 8k

Guard interval: 1/4, 1/8, 1/16, 1/32

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

TUNER DVB-T2

input: F-Buchse

Impedance: 75 Ω

Reception range: 50,5 ... 858 MHz

Modulation: QPSK, 16-QAM, 64-QAM, 256-QAM

Channel bandwidth: 1,7 / 5 / 6 / 7 / 8 MHz

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

SCOPE OF DELIVERY

TechniNet BS5 Professional, Wandhalter, Montageanleitung, Lizenztexte