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)

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(2^{16}), 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