



TECHNINET BS5 Light

Digital 8-way Head-end - DVB-S(2) /DVB-C

Colour	EAN	Item no.
white	4019588059917	0000/5991

TOP FEATURES

Converts eight QPSK/8PSK-modulated DVB-S(2) signals into eight adjacent QAM-modulated DVB-C output signals

High energy efficiency, power consumption: Typ. 25 W

MPEG-transport stream processor

TV channels preprogrammed

Two SAT IF inputs A/B, adjustable independently of each other via the central controller

Fanless design for wall mounting (no noise)

Outstanding data through direct implementation as FPGA solution

All the transmission parameters can be set with the TMS-BS5 management program

TUNER (DVB-S2)

DVB-S2 demodulator: EN 302 307

Demodulation: 8PSK, QPSK

Symbol rates: 1 ... 34

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

Ambient temperature: 0 ... 40 °C

Humidity: 10 ... 75 %

DVB-C OUTPUT

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

Symbol rate: 1,5 ... 7,15

MER: Typ. 45 dB

Reception range: 110 ... 862 MHz

Output level: 91

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: Typ. 25 W

POWER SUPPLY

Frequency: 50 Hz

Mains adapter: intern

Nominal voltage: 230 V

SAT IF INPUT / MULTISWITCH

Reception range: 950 ... 2.150 MHz

input / output: F-socket

Impedance: 75 Ω

Input level: 60 ... 110

LNB voltage supply: 0 V

TUNER DVB-S

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 BS5 Light, power cord, instalation manualm, drilling template