



TECHNINET BS5 Light

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

EAN	Colour	Item no.
4019588059917	white	0000/5991

TOP FEATURES

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

TV channels preprogrammed

Outstanding data throughput through direct implementation as FPGA solution

High energy efficiency, power consumption: Typ. 25 W

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

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

MPEG-transport stream processor

Fanless design for wall mounting (no noise)

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, installation manual, drilling template