

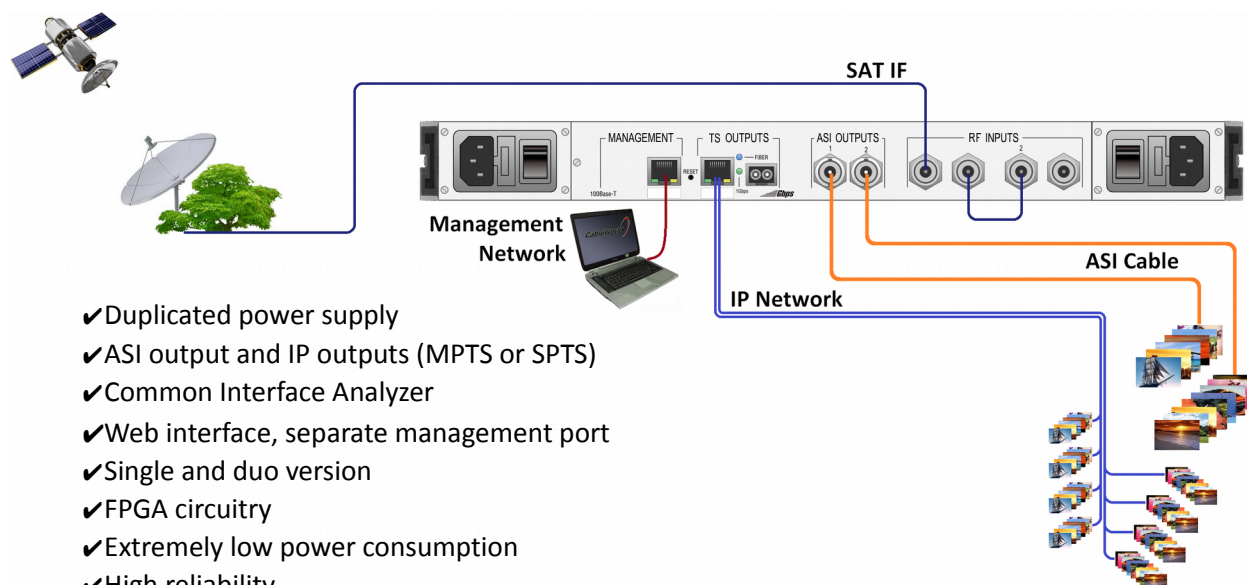
DVB-S2 SATELLITE RECEIVER

Professional satellite receiver with Common Interface, double power supply, ASI output and IP outputs (MPTS or SPTS), in single and duo version



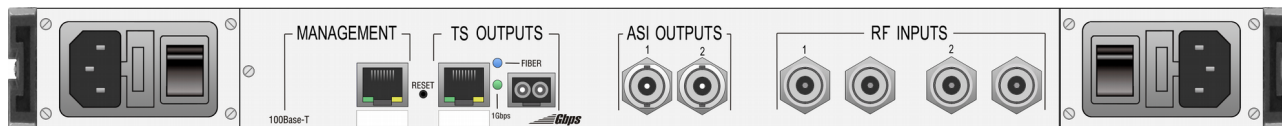
In digital television systems reliability and long lifespan are strict requirements. For the increased reliability CableWorld's latest DVB-S2 satellite receiver is built with two power supplies. The separate management port and the web interface permit the device to be applied in professional systems. The single version is equipped with one tuner and CI unit, the duo version with two separate tuners and CI modules.

For fulfilling the increased demand for IP transmission the output data stream of each tuner can be sent in MPTS (Multi Program Transport Stream) or SPTS (Single Program Transport Stream) format. The output stream can be addressed to both multicast and unicast mode. For increasing the reliability the IP output can directly be connected to optical networks through SFP module.



- ✓ Duplicated power supply
- ✓ ASI output and IP outputs (MPTS or SPTS)
- ✓ Common Interface Analyzer
- ✓ Web interface, separate management port
- ✓ Single and duo version
- ✓ FPGA circuitry
- ✓ Extremely low power consumption
- ✓ High reliability
- ✓ Long lifespan
- ✓ Available also for 24 V and 48 V

DVB-S2 SATELLITE RECEIVER



Technical data

RF input data

Input frequency range	950 to 2150 MHz
Input signal level	-65 dBm to -25 dBm
RF input impedance	75 Ω
RF input connector	F socket
RF loop-through output connector	F socket
Insertion loss	± 5 dB, typically 0 dB

Transmission parameters

Base-band low-pass filter bandwidth	5 MHz to 36 MHz, variable in 1 MHz steps
Modulation	QPSK (DVB-S, DSS) (ETS 300 421, DirecTV) QPSK, 8PSK (DVB-S2) (ETS 302 307)
Symbol rate	max. 45 Msps (QPSK) max. 37 Msps (8PSK)
Convolution code ratio	1/2 to 9/10, with automatic recognition
Roll-off	35 %, 25 %, 20 %

IP output

Transport stream	10-, 100- and 1000Base-T
Protocol	Ipv4, ARP, UDP
Number of outputs	4 UDP stream/tuner
Connector type	RJ-45
Optical output	receptacle for SFP (Mini GBIC) module

ASI output

Standard	according to EN 50083-9 (for interconnection between devices)
Impedance	75 Ω
Connectors	2 \times BNC sockets
Number of outputs	
Single version	1 \times 2 ASI
Duo version	2 \times 1 ASI

Management Port

IP input	10-, 100Base-T
Protocol	Ipv4, ARP, ICMP-Ping, TCP, UDP
Connector type	RJ-45

General data

Mass	approx. 3.5 kg
Physical dimensions	19" \times 1 HU
W \times H \times D	483 \times 43.6 \times 473 mm
Service period	continuous
Power requirement	90 to 264 V, 47 to 440 Hz
Power consumption	max. 40 W
Temperature at operation	+5 to +40°C (relative humidity max. 80 %)

Programming of the device

Programming and control	over separate management port, in web environment, optimized to the Firefox browser
Default IP Address	192.168.10.10

The Common Interface module provides as special feature the CAM analyzer function, which beyond reading out the CAM parameters permits entering the CAM menu and examining the messages there.

At receiving scrambled programs the output stream contains both scrambled and not scrambled data streams. In most applications the scrambled data streams superfluously load the IP network. CableWorld's CI module is capable of removing the scrambled packets from the output stream.

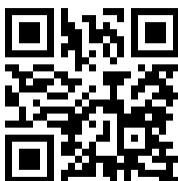
For feeding the LNBs and distributing the satellite IF signals we recommend our CW-4024 Satellite IF Distributor.

Ordering data:

CW-46xx

CW-4611	DVB-S/S2 FTA satellite receiver with two ASI outputs and four IP outputs
CW-4612	Two DVB-S/S2 FTA satellite receivers with one ASI output and four IP outputs each
CW-4621	DVB-S/S2 satellite receiver with Common Interface and with two ASI outputs and four IP outputs
CW-4622	Two DVB-S/S2 satellite receivers with CI and with one ASI output and four IP outputs each

Your partner:



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