

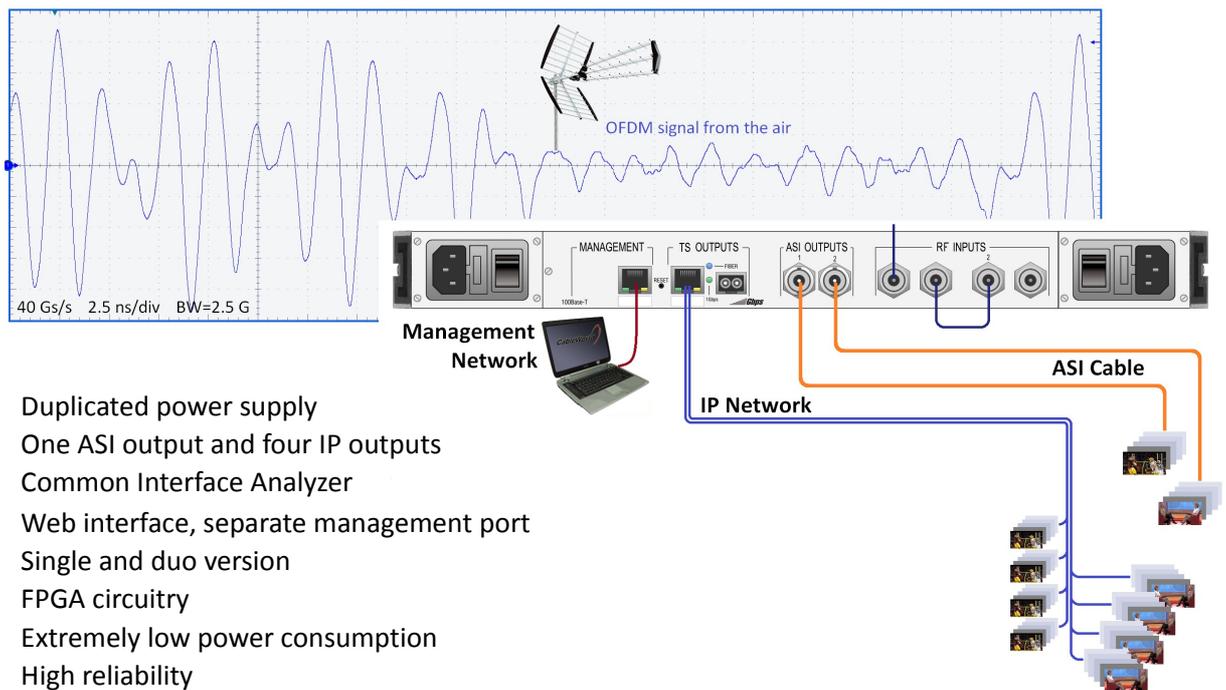
DVB-T OFDM RECEIVER

Professional DVB-T receiver with Common Interface, double power supply, 1 x ASI and 4 x IP output, in single and duo version



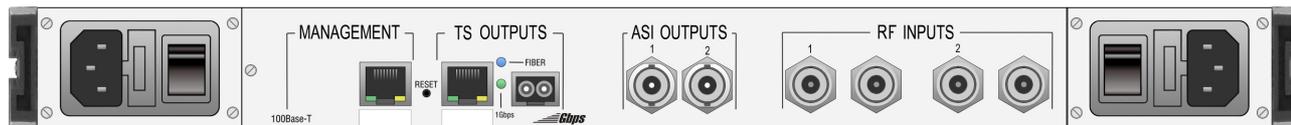
The DVB-T terrestrial program distribution permits gathering radio and TV programs from the terrestrial transmitter network for using them in cable TV, IPTV and similar services. The terrestrial broadcasting applies OFDM modulation, and after the tuner of the receiver it delivers similar streams carrying multiple programs (MPTS) as the satellite broadcasting does.

For the increased reliability CableWorld's latest DVB-T 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. Beyond the ASI output the tuner delivers four different IP data streams, too. For the increased reliability the IP output can directly be connected to optical networks through SFP module.



- ✓ Duplicated power supply
- ✓ One ASI output and four IP outputs
- ✓ 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-T OFDM RECEIVER



Technical data

RF input data

Input frequency range	49 to 861 MHz
Raster frequency	1/6 MHz
Frequency accuracy	better than 1×10^{-4}
Input signal level	typ. -80 dBm / 64QAM, FEC 1/2
Maximum input level	typically -25 dBm
Total AGC range (RF+IF)	typically 65 dB
RF input impedance	75 Ω
RF input connector	IEC socket (female)
RF loop-through output connector	IEC socket (male)
Insertion loss	+4 to +9 dB

Transmission parameters

Modulation/coding	COFDM full DVB-T compatibility according to ETS 300 744
FFT size	2k, 8k
Modulation	QPSK, 16QAM, 64QAM
Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32
FEC	Reed-Solomon, Viterbi
Intermediate frequency	36.166 MHz
Bandwidth	6, 7 and 8 MHz
Frequency pull-in range	± 90 kHz
Special features	
FFT and Guard Interval	automatic identification
TPS	decoding and application
Transport Stream	analysis for the CI

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
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.

Ordering data:

CW-46xx

CW-4651	DVB-T FTA receiver with two ASI outputs and four IP outputs
CW-4652	Two DVB-T FTA receivers with one ASI output and four IP outputs each
CW-4661	DVB-T receiver with Common Interface and with two ASI outputs and four IP outputs
CW-4662	Two DVB-T receivers with CI and with one ASI output and four IP outputs each

Your partner:



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