

DVB-SH Reference Demodulator

The unique solution available for the market

Most advanced and proven DVB-SH technology

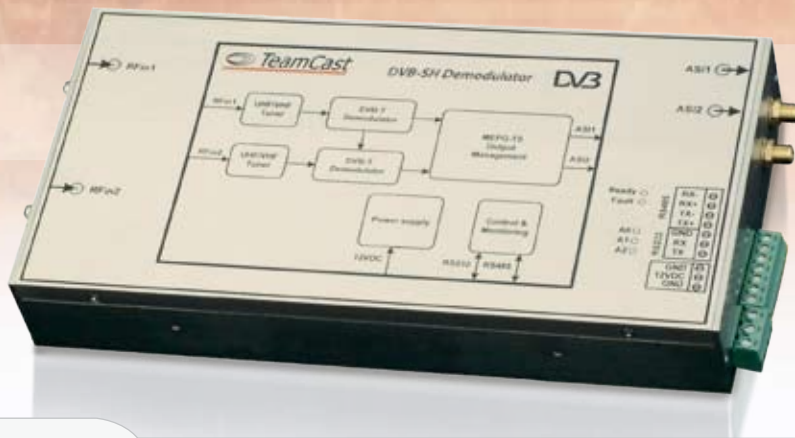
DVB-SH and DVB-H diversity demodulation

Compact and easy to integrate

RSH-1000:

The unique reference demodulator for early testing of DVB-SH broadcast applications:

- Transmitter and repeater performance checks
- Reference receiver for DVB-SH handsets developers
- R&D laboratory experiments
- DVB-SH early demonstration



Description

The RSH-1000 is the first reference demodulator in the marketplace for early testing of DVB-SH broadcasts, either in the field or in the laboratory. Performing real-time demodulation of the DVB-SH signal, it is suitable for both measurements and performance checks, as well as for reliable demonstration purposes. The RSH-1000 product takes advantage of TEAMCAST's unique experience in the DVB-SH technology implementation. Used in combination with the TEAMCAST DVB-SH modulator (MSH-1000/2000), it is now possible for any manufacturer or system integrator to get an end-to-end reference transmission chain for DVB-SH.

The unique DVB-SH experience:

The RSH-1000 takes benefit from the partnership established between TEAMCAST and Alcatel-Lucent and the active participation of TEAMCAST within the definition of the DVB-SH standard. The DVB-SH demodulation technique implemented in the RSH-1000 product has already been fully tested and qualified with DVB-SH signals.

Compact and easy to integrate:

As with all TEAMCAST modules, the RSH-1000 products are based on a compact and powerful OEM unit, especially designed and developed for fast integration. Designers can elect to manage the TEAMCAST module by using the open and easy to use serial protocol or to develop their own GUI as required.

Key Features

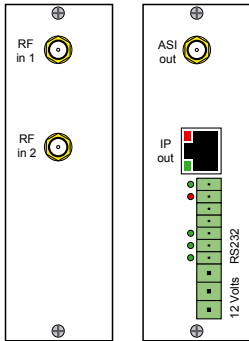
- Proven DVB-SH and DVB-H operation
- Antenna diversity demodulator
- VHF/UHF and S-Band versions
- Monitoring features
- IP streaming output
- Compact size for easy OEM integration
- Single 12V power supply

DVB-SH Reference Demodulator

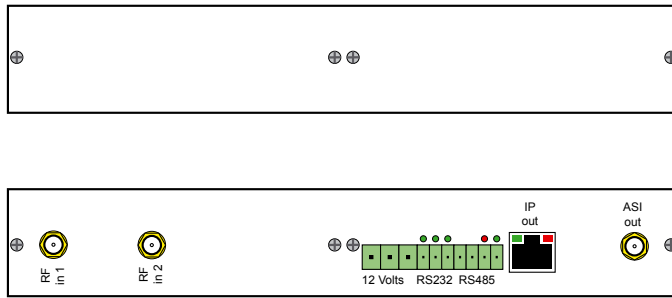
Connectors

RSH-1020

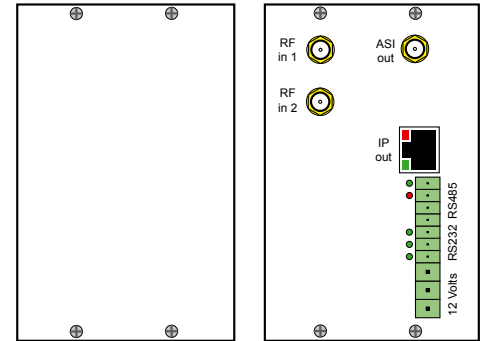
Size C



RSH-1720 Size A



RSH-1721 Size B



Specifications

Standards

- o DVB-SH EN 302 583, TS 102 585
- o DVB-H EN 302 304, TR 102 401
- o DVB-ASI EN50083-9, ETSI TR 101 891
- o MPEG-TS ISO/IEC 13818-1

RF Inputs*

- o 2 x SMA connectors (50 Ω)
- o VHF/UHF inputs – RSH-1020
- o S-Band (2170 MHz – 2200 MHz) input – RSH-1720
- o 1.7, 5, 6, 7 and 8 MHz bandwidth
- o Minimum input sensibility: - 95 dBm

Demodulation*

- o DVB-SH and DVB-T/H modes (OFDM)
- o Plug & Play with MSH-1000/2000 modulators
- o MPE-FEC & MPE-iFEC decoding implemented

Output interfaces

- o MPEG-TS/ASI output port
- o Output IP stream – 10/100base T – UDP/IP

Monitoring figures

- o Input signal level
- o Signal to noise ratio (C/N+I)
- o Signal performance (indicative MER)
- o Error rate measurements (PER, MFER)
- o Constellation and channel impulse response

Physical

- o Supply voltage: 12 VDC
- o Compact aluminium package (220 x 110 x 35 mm)
- o Operating temperature range: 0°C to 50°C

Ordering Information

TCM-RSH0-1020	DVB-SH/DVB-H demodulator with VHF/UHF input
TCM-RSH0-1720	DVB-SH demodulator with S-Band input

*depending on model & software version.