



SATCaster

Standalone DVB-S/S2 demodulator

SATCASTER IS ENENSYS' DUAL SATELLITE DEMODULATOR THAT DEALS WITH DVB-S AND DVB-S2 SIGNAL TO OUTPUT UP TO 2 MPEG-2 TS OR T2-MI OVER ASI AND IP.

The **SATCaster** is designed to demodulate up to two MPEG Transport Streams (TS) conveyed over satellite according to DVB-S and DVB-S2 standard. It outputs the TS over ASI and IP.

The **SATCaster** runs in the HDc chassis that can embed up to 6 **SATCaster** modules in 1U: the same chassis can output up to 12 TS or T2-MI streams over ASI or IP. It can also be embedded in the same chassis with other ENENSYS products such as ASIIPGuard or NetMod to deal with TS or T2-MI streams that are carried over satellite networks.

The **SATCaster** is a standalone dual satellite demodulator. It is fully compliant with DVB-S and DVB-S2 standard. It supports by default all the advanced modes of the DVB-S2 standard such as 16APSK or 32APSK for providing higher throughput.

The **SATCaster** features multistream technology so that satellite operators can multiplex several TS in the same transponder; the **SATCaster** allowing to select individual streams.

As an option, the **SATCaster** can support BISS-1 descrambling to output clear-to-air services. It provides also 1+1 automatic redundancy between satellite inputs so that it can output TS or T2-MI stream stemming from either satellite input1 or satellite input2.

APPLICATIONS

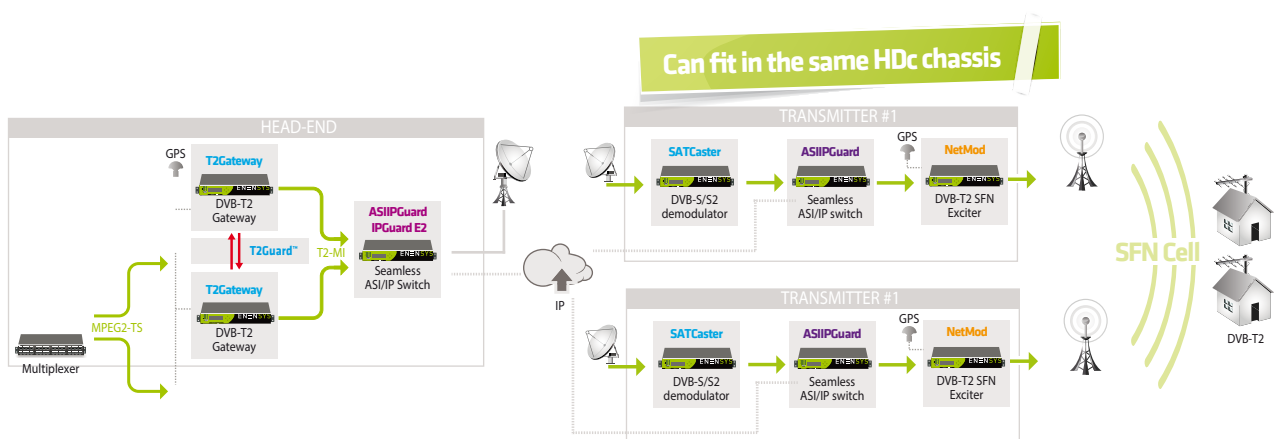
- DVB-S demodulation
- DVB-S2 demodulation
- DVB-S2 multistream management

BENEFITS

- High-grade broadcast equipment
- Embedded in High Density chassis (HDc):
 - to allow multiple SatCaster in 1U
 - to combine with T2EdgeDTH, ASIIPGuard, ...
 - to enable future-proof technology
- Cost-effective solution
- Re-use network equipment

CHARACTERISTICS

- Dual satellite demodulation
- C-band and Ku-band support
- DVB-S and DVB-S2 support
- Automatic detection of DVB-S/S2 standard
- BISS-1 descrambling as an option
- 1+1 automatic redundancy
- Multistream support
- Generation of TS or T2-MI over ASI and IP
- Full SNMPv2 support
- Easy-to-use web GUI



SATCaster Standalone DVB-S/S2 demodulator



HDc MULTI



INPUTS

Control	1x Gigabit Ethernet (RJ45) for GUI/SNMP
DVB-S DVB-S2	2x L-band (F-type) inputs 250-2150 MHz frequency range

OUTPUTS

TS or T2-MI stream	2x ASI (BNC) outputs 1x Gigabit Ethernet (RJ45) for TS or T2-MI over IP output
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FEATURING

Standard	DVB-S and DVB-S2 support
DVB-S modulation Code Rate	QPSK 1/4, 1/3, 2/5
DVB-S2 modulation Code Rate	QPSK (1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10) 8PSK (3/5, 2/3, 3/4, 5/6, 8/9, 9/10) 16APSK (2/3, 3/4, 4/5, 5/6, 8/9, 9/10) 32APSK (3/4, 4/5, 5/6, 8/9, 9/10)
Roll-off	0.35, 0.25, 0.20
Advanced modes	Multistream (MISI) support ISSY management Null-packet deletion support In-band firmware update (Option)
Descrambling	BISS Mode 1 descrambling (option) Applies for both inputs
Redundancy	1+1 automatic redundancy between both inputs
Monitoring and Supervision	Easy-to-use web GUI Full SNMP v2 support

CHASSIS

Height	43 mm / 1.69 in.
Width	443,7 mm / 17.46 in.
Depth	322,8 mm / 12,70 in.
Format	1 RU, width 19"
Front Panel	LCD Display and controls
Power supply	100-240V 50/60Hz or 48V DC
Power consumption	20W/module

ORDERING CODES

HDc-Multi-220V High Density chassis with 220V input

HDc-Multi-48V High Density chassis with 48V input

Chassis Options

HDcMulti-In220VRedundant 110V/220V redundant power supply

HDcMulti-In48VRedundant 48V DC redundant power supply

HDm-SATCaster DVB-S/S2 demodulator module

Module Options

SATCaster-BISS BISS-1 descrambling

SATCaster-InBand InBand firmware update

