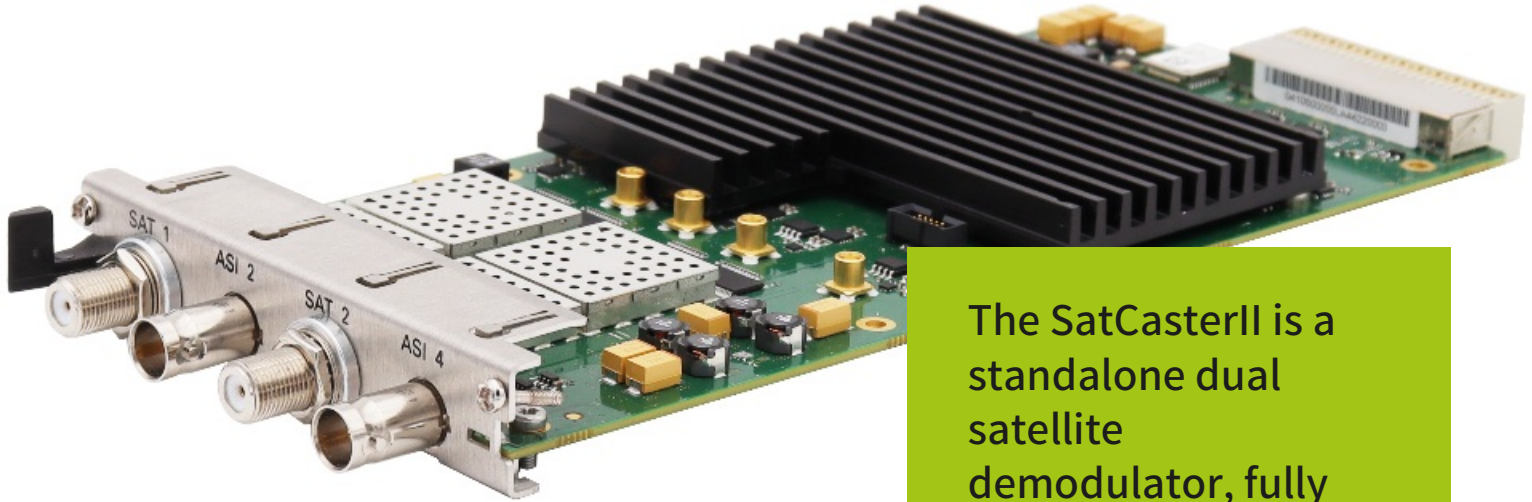


SatCasterII

Satellite Demodulator



The SatCasterII is a standalone dual satellite demodulator, fully compliant with DVB-S, DVB-S2 and DVB-S2X standards. It offers several options such as BISS-1 descrambling, and provides 1+1 automatic redundancy between both inputs.

Dual Standalone DVB-S/S2/S2X Demodulator

The SatCasterII is a standalone dual satellite demodulator. It is fully compliant with DVB-S, DVB-S2 and DVB-S2X standards. It thus supports all of the advanced modes of the DVB-S2 standard, such as 16APSK, up to 256APSK for providing higher throughput.

The SatCasterII features multistream technology so that satellite operators can multiplex several TS in the same transponder; the SatCasterII allows for the selection of individual streams.

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

Low CAPEX

The SATCasterII features multistream technology so that satellite operators can multiplex several TS in the same transponder

High Density Solution

Possibility to have up to 6x SATCasterII in 1U

BISS-1 descrambling

As an option, the SATCasterII can support BISS-1 descrambling to output clear-to-air services

1+1 Automatic Redundancy

1+1 automatic redundancy between satellite inputs so that it can output TS or T2-MI streams (stemming from either satellite input1 or satellite input2).

SatCasterII

Satellite Demodulator

Applications

- DVB-S demodulation
- DVB-S2 demodulation
- DVB-S2 multistream management
- DVB-S2X demodulation
- DVB-S2X multistream management

Other benefits

- Dual satellite demodulation
- C-band and Ku-band support
- DVB-S, DVB-S2 and DVB-S2X support
- Automatic detection of DVB-S/S2/S2X 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

Technical specifications

INPUTS

Control

1x Gigabit Ethernet (RJ45)
for GUI/SNMP

DVB-S - DVB-S2 - DVB-S2x

2x L-band (F-type) inputs
250-2150 MHz frequency range
Max Bitrate : 107 Mbps

OUTPUTS

TS or T2-MI stream

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

FEATURING

Standards

DVB-S, DVB-S2 and DVB-S2X support

DVB-S, DVB-S2, DVB-S2X Modulation

- DVB-S : only QPSK
- DVB-S2 and DVB-S2X : QPSK, 8PSK, 16APSK to 256APSK
- Symbol rate: 0.5 to 73.8 MSymbol/s
- Max Bitrate : 107 Mbps

Advanced Modes

Multistream (MISI) support
ISSY management
Null-packet deletion support
In-band firmware update (Option)

Redundancy

1+1 automatic redundancy between both inputs

Roll-off

0.05 to 0.35

DVB-S, DVB-S2, DVB-S2X Modulation details

- QPSK up to 73,8 MBauds
- 8PSK up to 55,3 MBauds
- 16APSK up to 37 MBauds
- 32APSK up to 29,5 MBauds
- 64APSK up to 22,1 MBauds
- 128APSK up to 21 MBauds
- 256APSK up to 18,4 MBauds

Descrambling

BISS Mode 1 descrambling (option)
Applies for both inputs

Monitoring and Supervision

Easy-to-use web GUI
Full SNMP v2 support

SatCasterII

Satellite Demodulator

PHYSICAL

HDc

Width

443,7 mm / 17.46 in.

Format

1 RU, width 19"

Power supply

100-240 V 50/60 Hz or 48 V DC

Data IP Ports

2x Gigabit Ethernet (RJ45) data port

Operating temperature

0 to 50°C / 0 to 122°F with 3 modules - 0 to 45°C / 0 to 113°F with 6 modules

Height

43 mm / 1.69 in.

Depth

322,8 mm / 12,70 in.

Front Panel

LCD Display and controls

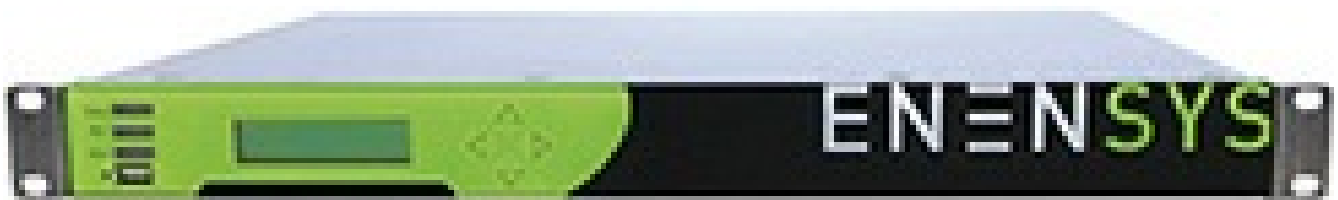
Control IP Port

1x Gigabit Ethernet (RJ45) control port

Power consumption

24 W/module

Front



Ordering codes

HDc-220VRedundant

High Density chassis with 2x 220V AC Power supplies

HDmII-SATCasterII

DVB-S/S2/S2X demodulator module

Ordering options

SATCasterII-BISS

BISS-1 descrambling

HDc-48VRedundant

High Density chassis with 2x 48V AC Power supplies

SATCasterII-TxEdgeT2V2

Allow the migration to TxEdgeT2V2-SAT