

# DVB-S/S2 Dual Monitoring Blade

## VB272



The VB272 input card offers monitoring and analysis of QPSK/8/16/32APSK signals found in DVB-S/S2 satellite transponders. A chassis can be equipped with a VB120 or VB220 PROBE controller and up to two VB272 input cards under its control.

A complete configuration with a fully licensed VB120 and two VB272 interface cards provides real-time monitoring and alarming for up to four DVB-S/S2 RF inputs, 10 IP MPTS/SPTS multicasts (upgradable to 50 streams) and one ASI TS input and output. Full ETSI TR 101 290 analysis is performed on all DVB-S/S2 inputs, the ASI input and the IP input in parallel. If the VB220 PROBE is used as master card the IP monitoring capacity is increased to impressive 260 MPTS/SPTS multicasts. The VB272 DVB-S/S2 card is delivered with one input and the second input can be enabled by a simple license upgrade.

Together with the VB120 or VB220 controller the operation of the VB272 is via an intuitive web interface, a GUI providing a graphical overview of scanning status and ETR290 TS data as well as a full constellation diagram of the transponder together with all relevant RF levels.

The combined unit is ideal for hybrid networks where IP is used as a carrier from head-end to the satellite uplink station. The built-in round-robin functionality allows sequential analysis of multiple DVB-S/S2 multiplexes, making it possible to monitor a complete transponder using a single VB272 interface card.

The VB272 also comes equipped with full power/tone control of RF input switches and can also use the DiSEqC 1.2 protocol for additional switch control. With support for modern modulation types such as 16 or 32 APSK, the VB272 is future proof.

The VB272 is delivered with standard 75 Ohm F-Connectors or as an optional factory ordered VB272-SMA with 50 Ohm SMA Connectors.

## KEY FEATURES

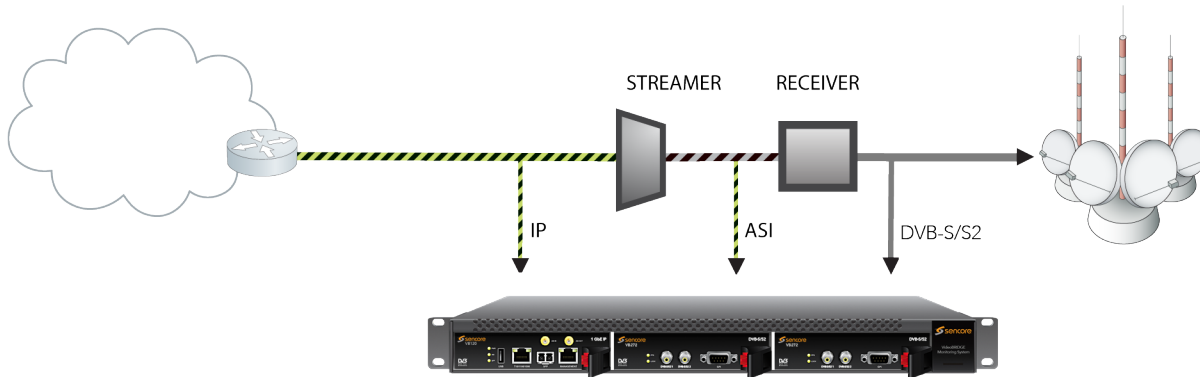
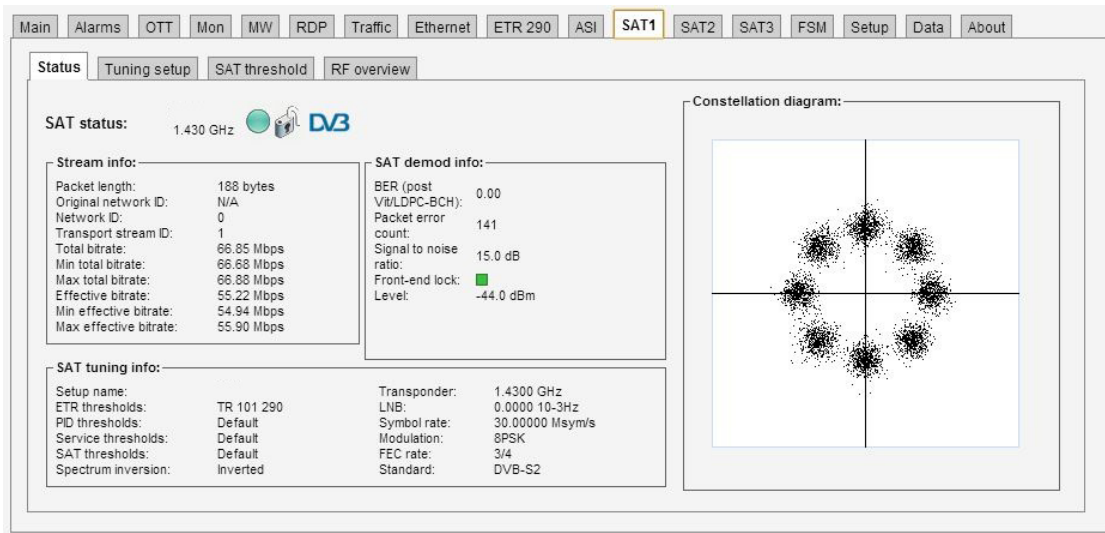
- DVB-S: 2-45 Msymb
- DVB-S2: (LDPC/BHC) 4-45 Msymb
- RF measurement: pre and post FEC BER, SNR, power level, signal strength
- RF inputs F-connector (75 Ohm) or optional VB272-SMA version with SMA connectors (50 Ohm)
- Analog RF carrier signal level measurement
- Configurable round-robin transponder testing
- Fully controlled via backplane by VB120 or VB220
- Built-in general purpose alarm relay (GPI)
- DiSEqC 1.2 compliant

## OPTIONS

- VB272: DVB-S/S2 Demodulator Interface Blade single RF input
- VB272-SMA: DVB-S/S2 Demodulator Interface Blade single RF input - 50 ohm SMA connector model
- VB272RF-LICENSE: Additional RF input option for VB272 card for a total of two, factory ordered
- VB272RF-UPGRADE: Additional RF input option for VB272 card for a total of two

# SPECIFICATIONS

## DVB-S/S2 Dual Monitoring Blade VB272



### RF INPUT

F-connector, 75 ohm female (x2)

### ALARM RELAY

9-pin D-SUB, male  
3-pin relay

### MECHANICAL

Standard 19" 1RU rack-mount  
W x H x D: 19 x 1.7 x 15.75 in. (483x43x400 mm)  
Weight: 9.3 lbs (4.2 kg) fully populated

### ENVIRONMENT SPECIFICATIONS

Operating temperature: 0°C to 45°C  
Storage temperature: -20°C to 70°C  
Operating humidity: 5% to 95% non-condensing

### CONTROL AND MANAGEMENT

Fully controlled through backplane  
Accessible through master VB120 or VB220 user interface

### POWER SUPPLY REQUIREMENTS

Draws power from backplane (+5V)  
Maximum 5W dissipated per card