BRIDGE TECHNOLOGIES

BRIDGING TELECOMMUNCATIONS AND BROADCAST

VB272-SMA

The VB272-SMA

*Pictured is a typical setup with a VB120 controller containing SFP based Optical GigE or Electrical 10/100/1000T Ethernet interfaces, separate 10/100/1000T management interface, USB-RS232 for initial setup and status LEDs with 2 * VB272 DVB-S/S2 units in a 1"RU EC Redundant AC powered chassis. This configuration only use 25W of power giving additional OPEX savings.*

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 constelation 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 VB-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 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.

TECHNICAL 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)
- Analogue 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

PRODUCT ORDERING CODES

VB272	DVB-S/S2 Demodulator Interface Blade single RF input
VB727-SMA	DVB-S/S2 Demodulator Interface Blade single RF input - 50 ohm SMA connector model
VB272RF-OPT	Additional RF input option for VB272 card for a total of two, factory ordered
VB272-UPGR	Additional RF input option for VB272 card for a total of two
VB273-SAT-switch	Satellite Redundancy Switch System - EC/VB120/VB272-SMA/VB272-RF-OPT/VB273/SWITCH-OPT

OPTIONS

SECOND INPUT | VB272

RELATED PRODUCTS

VB273-SAT-SWITCH

CHASSIS OPTION

ACC | DCC | EC | EC-DC

TECHNOLOGIES

Eii | ETR290 | DiSEqC | DBVS2

COMPLIANCE AND SAFETY

Compliant to requirements for US and Canada. Designed for CSA approval. Bridge Technologies continuously improves on products and reserves the right to modify the specifications without prior notice.

EMC: EN 55022I CISPR 22 Class A, EN 55024I CISPR 24, EN 61000-3-2/ IEC 61000-3-2, EN 61000-3-3/ IEC 61000-3-3, 47 CFR, Class B **SAFETY**: EN 60950-1, IEC 60950-1 Edition 2.0

ENVIRONMENTAL COMPLIANCE POLICY

Bridge Technologies co as is committed to fulfilling all statutory environmental requirements in accordance with the WEEE scheme.

In order to prevent the generation of hazardous waste, Bridge Technologies undertakes the responsibility for taking back and recycling electrical and electronic equipment.

This will provide incentives to design electrical and electronic equipment in an environmentally more efficient way which takes waste management aspects fully into account.

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