



BRIDGETECH products adhere to The Global Standard of Digital Television



Return Data Path enables sourcing of the remote signal back to the NOC or HeadEnd for detailed analysis. Reduces OPEX through fewer truck rolls and on-site visits.

VB260 is a QAM/RF input option card for the BRIDGETECH IRU rack-mount chassis with either the VB120 or the VB220 IP-PROBE as controller.

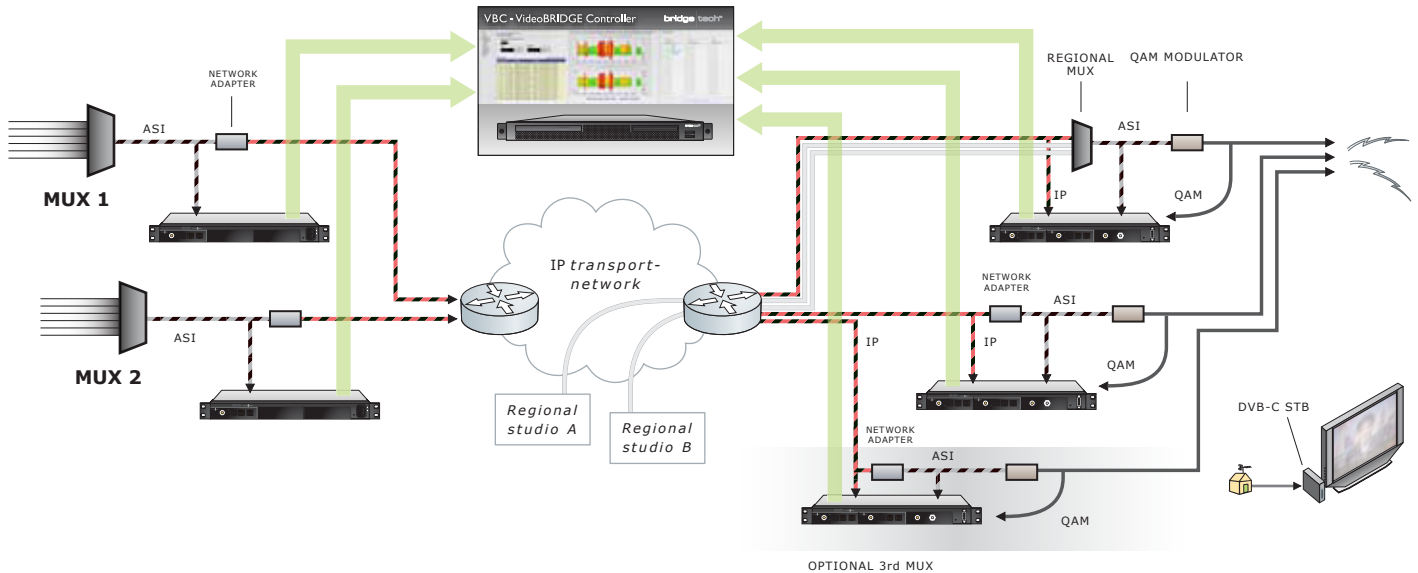
The VB260 input option offers monitoring of QAM signals as found in QAM cable networks. The chassis can be equipped with a single VB120 or VB220 IP-PROBE master card and up to two VB260 QAM input cards under its control.

The complete configuration with the VB120 offers monitoring of up to 3 services in parallel. Services consist of IP MPTS/SPTS multicasts as well as Priority 1-3 TR101290 monitoring of one ASI input and one QAM modulator. The unit is ideal for hybrid networks where IP is used as a carrier from head-end to the regional edge-mux/modulator.

The VB260 QAM/RF input option card is an ideal solution for complete monitoring in DVB-C or hybrid DVB-C/IP networks. One VB260 module is capable of demodulating a DVB-C mux for ETR 101 290 Priority 1 fault detection and alarm generation in the full DVB-C frequency band (51 – 858 Mhz). By running in sweep mode the VB260 module is further capable of measuring analogue signal levels, in effect offering the operator a basic frequency analyser function at the deployment location.

FEATURES INCLUDE:

- All-bands DVB-C Receiver (51 – 858 Mhz)
- Fully compliant with ETS 300 249 specification for DVB-C applications
- ITU-T J.83 (Annex A)
- Support up to 256QAM
- Wide symbol rate of 0.87 to 6.9Mbaud
- Built-in digital SAW filter
- RF input – F connector
- 2 ASI outputs - 75 ohm BNC connector
- RF measurements: pre and post FEC BER, SNR, MER, power level, signal strength
- QAM constellation diagram
- Analogue RF carrier signal level measurements
- Round-robin functionality
- Fully controlled via backplane by VB120 or VB220
- Built-in general purpose alarm relay (GPI)



RF INPUT:

- F-connector, female

ASI OUTPUTS:

- 2x75 ohm BNC, female

ALARM RELAY:

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

MECHANICAL:

- Standard 19" IRU rack-mount
- W x H x D: 483x43x400 mm
- Weight: 4.2 kg fully populated

ENVIRONMENT SPECIFICATIONS:

- Operating temperature: 0°C to 50°C
- Storage temperature: -20°C to 70°C
- Operating humidity: 5% to 95% non-condensing

CONTROL AND MANAGEMENT:

- Controlled fully through backplane
- Accessible through master VB120 or VB220 module

POWER SUPPLY REQUIREMENTS:

- Draws power from backplane
- Maximum 5W dissipated per module

COMPLIANCE:

CE-marked in accordance to low voltage directive (LVC) 73/23/EEC and EMC directive 89/336/EEC. Compliant to requirements for US and Canada. Designed for CSA approval.

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