VB250 COFDM INPUT MODULE

bridge tech™

FSM FULL SERVICE MONITORING

The VB250 is an integral part of the breakthrough Full Service Monitoring concept.

RFC 4445 MDI COMPLIANT

The RFC4445 based MDI Media Window displays content loss and network jitter in a comprehensive "flow" view for correlation and status at-a-glance.

RDP RETURN DATA PATH

Return Data Path enables sourcing of the remote signal back to the NOC or HeadEnd for detailed analysis. Limits travel expenses and need for remote engineering.

VB250 is a COFDM input option card for the BRIDGETECH VB200 1RU rack-mount chassis.
The VB250 input option offers monitoring of COFDM signals as found in DVB-T networks.
The VB200 chassis can be equipped with a single VB220 IP PROBE master card and up to two VB250 COFDM input cards under its control.
The complete configuration offers monitoring of up to 180 IP MPTS/SPTS multicasts as well as Priority 1 ETR 101-290 monitoring of one ASI input and two DTT RF transponders making the unit ideal for hybrid networks where IP is used as a carrier from head-end to the transmitter tower.
COFDM-specific parameters such as BER before and after Viterbi are accessible.

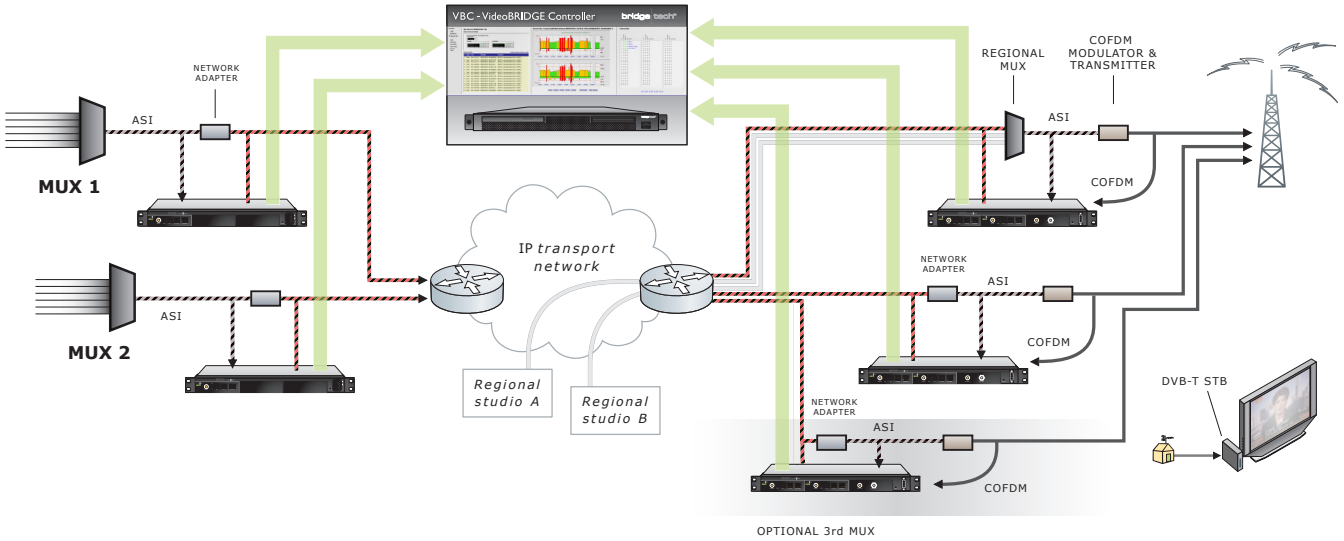
The VB250 COFDM input option card is an ideal solution for complete monitoring in DVB-T or hybrid DVB-T/IP networks. One VB250 module is capable of demodulating a DVB-T transponder for ETR 101 290 Priority 1 fault detection and alarm generation in the full DVB-T frequency band (49-861 Mhz).

By running in sweep mode the VB250 module is further capable of measuring analogue signal levels, in effect offering the operator a basic frequency analyser function at the deployment location.

Features:

- All Bands DVB-T receiver (49- 861 MHz)
- Fully compliant with ETS 300 744 & NorDig 2 specifications
- 2K & 8K COFDM modes supported
- RF input (F-connector)
- Analogue RF carrier signal level measurements
- Dual-ASI outputs for monitoring purposes
- Hot swappable
- Fully controlled via backplane in VB200
- Built-in general purpose alarm relay (GPI)

VB250 Technical specifications



MONITORING FEATURES:

- Demodulate DVB-T transponder for ETR 101-290 Priority 1 analysis
- Analogue signal strength measurements (sweep mode or static)
- COFDM BER readouts

RF INPUT:

- F-connector, female

ASI OUTPUTS:

- Two 75 ohm BNC

ALARM RELAY:

- 9-pin DSUB, male
- 3-pin relay contacts

MECHANICAL:

- Extended Euro card
- Compatible with VB200 1RU chassis

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:

- Fully controlled through backplane
- Accessible through master VB220 user interface

POWER SUPPLY REQUIREMENTS:

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

COMPLIANCE:
CE-marked in accordance to low voltage directive (LVD) 73/23/EEC and EMC directive 89/336/EEC.
Compliant to requirements for US and Canada. Designed for CSA approval.
Specifications and product availability are subject to change without notice.

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