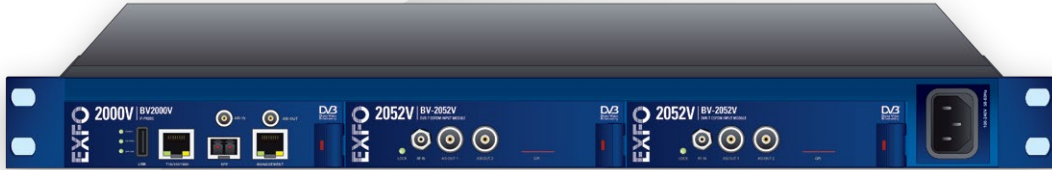


Broadcast Input Module BV-2050V



Please note that this model has been discontinued. For more information, visit EXFO.com

Allows monitoring and analysis of COFDM signals found in DVB-T digital terrestrial television (DTT) systems

KEY FEATURES

Ideal for monitoring signal quality in DVB-T or hybrid DVB-T/IP networks

All-bands DVB-T receiver (49 – 861 MHz)

Fully compliant with ETS 300 744 and NorDig 2 specifications

2K and 8K COFDM modes supported

Radio frequency (RF) measurements: pre and post FEC BER, SNR

Analog RF carrier signal level measurement

Input module for BV2000V and BV1200V Video Verifiers

The Broadcast Input Module BV-2050V allows monitoring and analysis of COFDM signals found in DVB-T digital terrestrial television (DTT) systems. The system monitors both analog carrier signal quality and the quality of the MPEG video content, providing complete visibility. This input module is specifically designed for EXFO's BV-1200V and BV-2000V. A single platform can accommodate one verifier and one or two BV-2050V.

For example, a platform with one IP-enabled BV-1200V and two BV-2050V Input Modules provides real-time monitoring and alarming for two COFDM RF inputs, 10 IP MPTS/SPTS multicasts (expandable to 50) and one asynchronous serial interface (ASI) transport stream (TS) input. ETSI TR 101 290 analysis is performed in parallel for COFDM inputs, the ASI input and the IP input. If the BV-2000V is used as a master card, the IP monitoring capacity is increased to an impressive 260 MPTS/SPTS multicasts.

The combined unit is ideal for hybrid networks where IP is used as a carrier from the head-end to the broadcast tower. The built-in round-robin functionality allows sequential analysis of multiple DTT multiplexes, making it possible to monitor a complete DTT transmission system using a single BV-2050V.

By running in sweep mode, the Broadcast Input Module BV-2050V is further capable of measuring analog signal levels, providing a basic frequency analyzer function at the deployment location.

ADDITIONAL FEATURES

- › Configurable round-robin testing
- › Fully controlled via backplane by BV-1200V or BV-2000V
- › Built-in general purpose alarm relay (GPI)
- › Two ASI output for ad-hoc ASI connections—75 ohm BNC
- › GPS input allows measurement and alarming on SFN drift

SPECIFICATIONS

RF input

- › F-connector, female

ASI outputs

- › Two 75-ohm backbone network connectors

Alarm relay

- › Nine-pin D-SUB, male
- › Three-pin relay

Platform specifications (platform sold separately)

- › Standard 1U 19-inch rackmount unit
- › W x H x D: 483 mm x 43 mm x 400 mm
- › Weight: 4.2 kg fully populated
- › Power supply: 100-240 VAC (model BV-V-AC) or -48 VDC (model BV-V-DC)

Environment specifications

- › Temperature
 - › Operating: 0 °C to 50 °C (32 °F to 122 °F)
 - › Storage: -20 °C to 70 °C (-4 °F to 158 °F)
- › Operating humidity: 5 % to 95 % non-condensing

Control and Management

- › Basic setup/control through RS232 via USB
- › Remote access through HTTP or Telnet
- › Optional control via EXFO Vision Live Monitoring Software

Power supply requirements

- › Fully controlled through platform backplane
- › Accessible through the master BV-1200V or BV-2000V and EXFO Vision Live Monitoring Software

Compliance

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

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