

# EXFO Vision Cable Input Module BV-2060V



Please note that this model has been discontinued. For more information, visit [EXFO.com](http://EXFO.com)

Designed for comprehensive monitoring of cable television signals using quadrature amplitude modulation (QAM)

## KEY FEATURES

All-bands DVB-C receiver (51 to 858 MHz)

Fully compliant with ETS 300 249 specification for DVB-C applications

ITU-T J.83 (Annex A and B)

Support up to 256 QAM

Wide symbol rate of 0.87 to 6.9 MBd

Compatible with the BV-2000V and BV-1200V Video Verifiers

The BV-2060V Cable Input Module monitors QAM signals as found in QAM cable networks. The system monitors both analog carrier signal quality as well as the quality of the MPEG video content, providing complete visibility. This input module is specifically designed for the BV-1200V or BV-2000V. A single platform can accommodate one verifier and one or two BV-2060V input modules.

Complete configuration with the BV-1200V or BV-2000V offers monitoring of three services in parallel. Services consist of IP MPTS/SPTS multicasts as well as asynchronous serial interface (ASI) input and QAM modulator, all with Priority 1-3 TR 101 290 monitoring. The unit is ideal for cable TV systems and hybrid networks where IP is used as a carrier from the headend to the regional edge multiplexer/modulator.

The BV-2060V is an ideal solution for complete monitoring in DVB-C or hybrid DVB-C/IP networks. One BV-2060V 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 to 858 MHz). By running in sweep mode, the BV-2060V is further capable of measuring analog signal levels, providing a basic frequency analyzer function at the deployment location.

## ADDITIONAL FEATURES

- › Built-in digital surface acoustical wave (SAW) filter
- › Analog RF carrier signal level measurements
- › Round-robin channel testing
- › Fully controlled via backplane by BV-1200V or BV-2000V
- › Built-in general purpose alarm relay (GPI)

## SPECIFICATIONS

### Monitoring features

- › QAM transponder demodulation
- › Dual-ASI output

### RF input

- › F-connector, female

### ASI outputs

- › Two 75-ohm backbone network connection, female

### 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

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

### Power supply requirements

- › Draws power from platform backplane
- › Maximum 5 W dissipated per card

### 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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