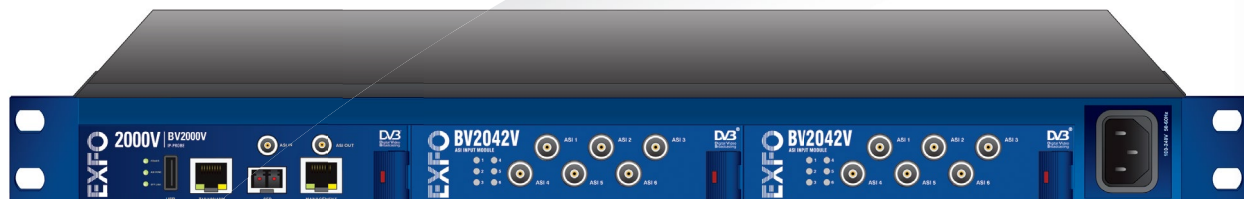# EXFO Vision Six-Port ASI Input Module BV-2042V

Unique solution for headend or remote monitoring of multiple ASI ports.

KEY FEATURES

Optimized for high-density monitoring of many ASI sources

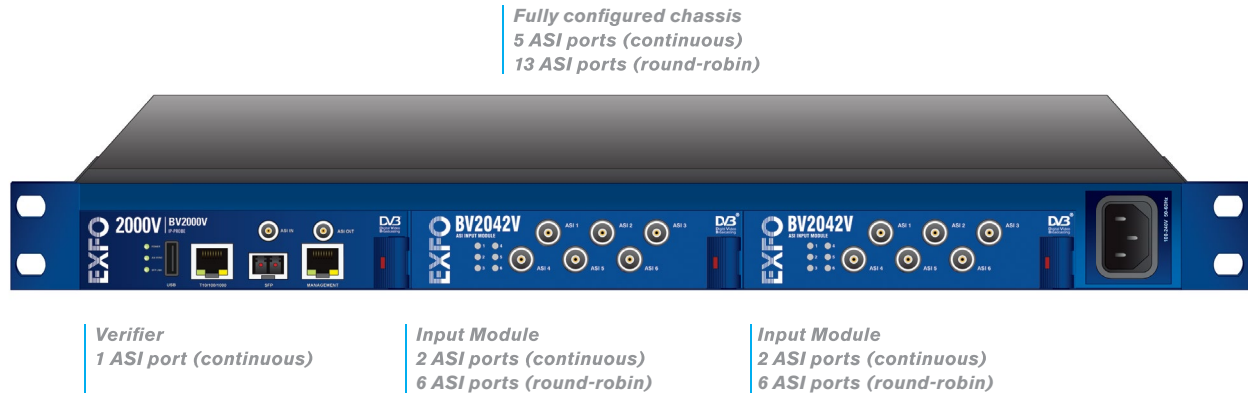Six asynchronous serial interface (ASI) connectors
per module

Supports continuous and round-robin analysis

Monitor up to 13 ASI ports per one-unit rack-mount (fully
configured chassis performing round-robin analysis)

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

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The BV-2042V ASI Input Module provides high-capacity, high-density ASI monitoring in an affordable integrated system. It is perfect for existing infrastructures in the headend as well as in regional edge-multiplexer/modulator/transmitter sites where ASI infrastructure is used.

Operators can choose real-time continuous monitoring, or round-robin monitoring for higher port coverage. The following configuration shows a typical deployment and the flexibility of choices available.

Fully configured chassis
5 ASI ports (continuous)
13 ASI ports (round-robin)

Verifier
1 ASI port (continuous)

Input Module
2 ASI ports (continuous)
6 ASI ports (round-robin)

Input Module
2 ASI ports (continuous)
6 ASI ports (round-robin)

In continuous mode, each input module monitors two ASI ports, and a fully configured one-unit rack-mounted (1RU) chassis monitors five ASI ports (including one ASI port monitored by the Verifier). In round-robin mode, each input module monitors six ASI ports, and a fully configured one-unit rack-mounted chassis monitors 13 ASI ports (including one ASI port monitored by the Verifier). Adding more one-unit chassis systems expands capacity in multiples of these factors.

The input module is part of a chassis-based system. Each chassis can be equipped with a single BV-1200V or BV-2000V Verifier that has one or two input modules under its control. A variety of input modules are available to support various connectors and feeds found in video delivery systems. It is possible to combine a BV-2042V with a different input interface module.

The system is very well suited for complete satellite feed monitoring into a headend. A single one-unit rack-mounted chassis could support one BV-2070V input module for satellite monitoring, one BV-2042V input module for ASI monitoring and one BV-2000V or BV-1200V Verifier providing Ethernet/IP monitoring plus an additional ASI port. Other available input modules include BV-2062V for cable/VSB terrestrial monitoring and BV-2050 for COFDM terrestrial. Content extractor BV-2080V can also be used in the chassis.

The BV-2042V is designed to be used in concert with the EXFO Vision Live Monitoring software.

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SPECIFICATIONS

ASI inputs

› 75 ohm female BNC connectors—6 ASI port connectors per module

Led indicators

› 75 ohm female BNC connectors—6 ASI port connectors per module

Mechanical

› Standard 19-inch one-unit rack-mount

› Dimension (W x H x D): 483 mm x 43 mm x 400 mm

› Weight: 4.2 kg fully populated

Environment specifications

› Operating temperature: 0 ℃ to 50 ℃

› Storage temperature: −20 ℃ to 70 ℃

› Operating humidity: 5 % to 95 % non-condensing

Control and management

› Controlled fully through backplane

› Accessible through master BV-1200V or BV-2000V module

› Supported by EXFO Vision Live Monitoring software

Power supply requirements

› Draws power from backplane

› Maximum 5W dissipated per module

Compliance

› CE-marked in accordance with low-voltage directive (LVC) 73/23/EEC and EMC directive 89/336/EEC.

› Complies with requirements for US and Canada. Designed for CSA approval.

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