

BV-1200V-P

PORTABLE VIDEO VERIFIER



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

The most portable broadcast monitoring and measurement instrument available—has one of the widest ranges of built-in interfaces in any portable device

KEY FEATURES

One 10/100/1000T electrical Ethernet port

One SFP optical Gigabit Ethernet port

One 10/100T Ethernet management port

One asynchronous serial interface (ASI) input and one ASI output port

Concurrent monitoring of 10 services, expandable to 50 services

Transport stream (TS) monitoring into IP according to ETSI TS 102 034

Ethernet TS recording triggered by alarms

The BV-1200V-P features both optical and electrical Gigabit Ethernet inputs, separate management port as well as ASI input and output. It has one of the widest ranges of built-in interfaces in any portable device.

The ability to monitor 10 to 50 services with full TR 101 290 alarming and analysis makes the portable BV-1200V-P invaluable for field use. Its ruggedized exterior and fanless design give engineers the perfect fault-finding tool when roaming in the network or for permanent placement of a unit in harsh environments. With full TR 101 290 analytics and support for all modern media transportation codecs, the BV-1200V-P is built for real-world use.

Critical parameters such as jitter values give accurate readings of network performance. With the patented MediaWindow™, historical data can be easily accessed for meaningful visualization of media flow in an IP network.

Confidence monitoring is further enhanced by monitoring all TR 101 290 parameters, bandwidth overflow/underflow and signal loss. With advanced threshold settings including error-seconds, alarm granularity can be set to reflect the actual status.

The IP verifier can be utilized for a multitude of remote functions. It has the ability to store alarm-triggered TS recordings directly in its internal memory. The recordings can subsequently be accessed directly via the verifier's built-in web interface or remotely.

Simple network management protocol (SNMP) multidestination trapping and XML export enable the verifiers to be implemented in any network management system (NMS) with alarm generation either directly from the verifiers themselves, or via the EXFO Vision-Live server for advanced alarm correlation and filtering.

Basic setup is achieved through the built-in USB to RS232 converter, eliminating the need for an external interface and facilitates the setting of IP addresses for access to the BV-1200V-P. The device can also be controlled remotely via EXFO Vision-Live Monitoring Software as well as Telnet or XML configuration commands. The BV-1200V-P comes with a ruggedized scratch resistant coated finish, perfect for the field.

ADDITIONAL FEATURES

Built-in 100-240 VAC power supply unit
Built-in USB to RS232 converter
Supports X-bit real-time protocol header extension as used by Microsoft MediaRoom™ IPTV system
Full ETSI TR 101 290 alarming and analysis for 10 multicast streams (expandable to 50) in round-robin
Full table and descriptor parsing of PSI/SI and PSIP for visual inspection
PCR jitter histogram
Jitter and media loss measurement
MediaWindow™ visualization technology
Line-speed ASI measurements
NTP client functionality (RFC 2030)
DHCP client support (RFC 2131)
RTP dropped, duplicate and out-of-order measurements
Return data path (RDP) of IP multicasts monitored
RDP™ of ASI input (MPTS or SPTS)
Built-in Web-based management
Central management via EXFO Vision-Live server
SNMP multidestination trapping
DVB and ATSC specification conformity
Fanless convection-cooled operation
Ruggedized unit

SPECIFICATIONS

ENVIRONMENT SPECIFICATIONS

Temperature	
operating	0 °C to 45 °C (32 °F to 113 °F)
storage	-20 °C to 70 °C (-4 °F to 158 °F)

Operating humidity 5 % to 95 % non-condensing

CONNECTORS SPECIFICATIONS

10/100/1000 Ethernet video: RJ-45

10/100 Ethernet management: RJ-45

Optical input: SFP module

ASI input: 75 ohms BNC

ASI output: 75 ohms BNC

Serial port: USB Type A connector

AC power: IEC 320 connector

POWER SUPPLY REQUIREMENTS

Input voltage: 100 to 240 VAC

Power required: 20 VA, typical at 220 VAC

Power dissipated: Maximum 13 W

NETWORK SPECIFICATIONS

10/100/1000 BASE-T Ethernet (802.3u and 802.3ab)

SFP interface for optical networks

10/100 BASE-TX Ethernet management (802.3u)

MECHANICAL SPECIFICATIONS

W x H x D: 135 mm x 65 mm x 435 mm

Weight: 1.5 kg

CONTROL AND MANAGEMENT

Basic setup/control through RS232 via USB

Remote access through HTTP or Telnet

Optional control via EXFO Vision-Live Monitoring Software

Third-party control via SNMP or XML

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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