Portable Broadcast IP-Probe

VB12

The VB12 is the most portable broadcast monitoring and measurement platform available. Featuring both optical and electrical GigE Ethernet inputs, separate management port and both ASI input and output, the VB12 has the widest range of built in interfaces in the industry.

The ability to monitor continuously 10 services with full TR 101290 alarming and analysis makes the portable VB12 invaluable for field use. Its ruggedized exterior and fanless design give engineers the perfect fault-finding tool or for permanent placement in harsh environments. With full TR 101290 alarming and all modern codecs, the VB12 is built for real-world use. Critical parameters such as RFC4445 - MDI and detailed jitter values give accurate readings of network performance. With the RFC4445 based patented MediaWindow™, historical data can be easily accessed for meaningful visualization of media flow in an IP network.

The power of confidence monitoring is further enhanced by continuous monitoring of TR 101290 parameters, bandwidth overflow/underflow and signal loss. With advanced threshold settings including error-seconds, alarm granularity can be set to reflect actual status.

SNMP trapping and XML export enables the IP Probes to be implemented in any NMS system (with alarm generation either directly from the probes themselves, or via the VBC server) for advanced alarm correlation and filtering.

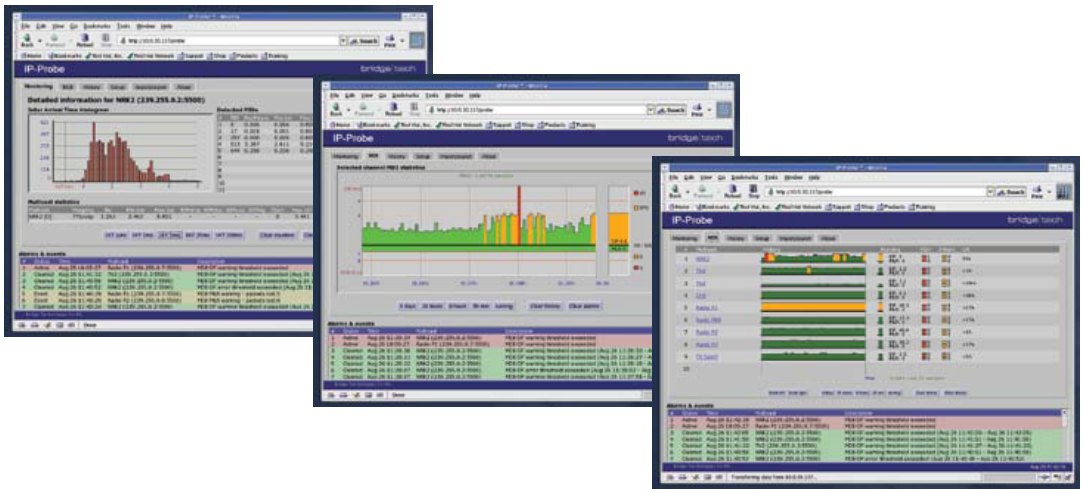
Each VB12 runs an integral HTTP server with the client as a web browser, so no need to install custom software on computers needing access to the measurement data. Basic setup is achieved through the built-in USB to RS232 converter, eliminating the need for an external interface and facilitates setting of IP addresses for access to the VB12. The device can also be controlled remotely via TELNET or XML configuration commands.

KEY FEATURES

- 1x 10/100/1000T Mbps Ethernet port
- 1x SFP GigE port
- 1x 10/100T Mbps Ethernet management port
- 1x ASI Input and 1x ASI output port
- Ruggedized chassis
- Fanless convection-cooled operation
- Built-in 100-240VAC PSU
- Built-in USB to RS232 converter
- Concurrent analysis of 10 services
- Monitors Transport Stream into IP according to ETSI TS 102 034
- Supports X-bit RTP header extension as used by Microsoft IPTV system MediaRoom™
- Full TR 101290 alarming and analysis for 10 streams in parallel
- Full table and descriptor parsing of PSI/SI for visual inspection
- MDI measurements (RFC4445)
- MediaWindow™ visualization technology
- Line speed ASI measurements
- NTP client functionality (RFC2030)
- DHCP client support (RFC2131)
- RTP dropped, duplicate and out of-order measurements
- RDP™ of IP multicasts monitored
- RDP™ of ASI input (MPTS or SPTS)
- Built-in web-based management
- Optional central management via VBC Server

SPECIFICATIONS

Portable Broadcast IP-Probe VB12



ENVIRONMENT SPECIFICATIONS

Operating Temperature: 0°C to 45°C
Storage Temperature: -20°C to 70°C
Operating Humidity: 5% to 95% non-condensing

CONNECTOR SPECIFICATIONS

10/100/1000T GigE input: RJ-45
10/100T 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 240V AC
Power required: 20 VA, typical @ 220V AC
Power dissipated: maximum 13W

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: 114 x 41 x 335mm.
Weight: 1,5 kg

CONTROL AND MANAGEMENT

Basic setup/control through RS-232 via USB
Remote access through HTTP or TELNET
Optional control via VBC Server