



The VB10 is an integral part of the breakthrough Full Service Monitoring concept.



The RFC4445 based MDI Media Window displays content loss and network jitter in a comprehensive "flow" view for correlation and status at-a-glance.



Return Data Path enables sourcing of the remote signal back to the NOC or HeadEnd for detailed analysis. Limits travel expenses and need for remote engineering.

The VB10 IP-PROBE from BRIDGETECH is a cost-effective, portable measuring unit ideal for inspecting TV multicasts as found in fibre and xDSL IPTV networks. Using the VB10 the operator can easily characterise the signal quality for up to 10 TV multicasts simultaneously anywhere in the network ranging from TV head-end through to customer set-top box. MPEG-2, h.264/AVC and WM9/VC-1 packets are detected and analyzed with full support of MDI and the innovative MDI Media Window. Current and historical status of your service can be easily interpreted and monitored.

The VB10 IP-PROBE is capable of simultaneously analysing up to 10 IP multicasts with critical quality parameters such as jitter and packet-loss being detected and logged automatically. All MDI parameters are supported and individual threshold levels can be set for each monitored channel.

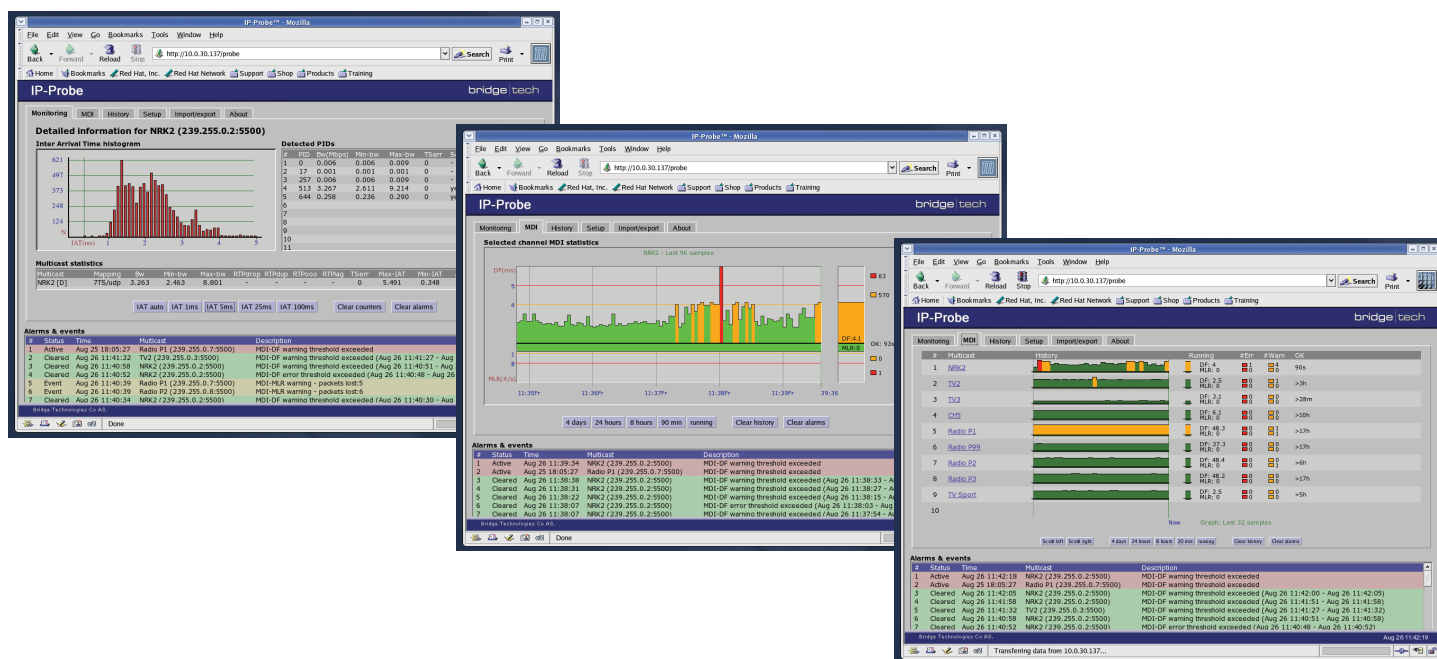
The VB10 IP-PROBE features a built-in 3-port Ethernet switch and internal AC power supply. An integrated, hardware-based MPEG-2 decoder enables the operator to visually inspect a selected TV channel by decoding it back to composite video / stereo audio.

Critical quality parameters such as IP jitter and MPEG-2, h.264/AVC and WM9/VC-1 packet loss are detected and logged automatically with a built in 4 day window. With full SNMP support the IP-Probe can be integrated into any NMS system. Each VB10 IP-PROBE runs an HTTP server. The operator access is through a web browser pointed towards the VB-10 IP address. Basic setup can be performed locally through RS232 or remotely via TELNET. Central management and alarm/statistics collection is achieved by optionally deploying the VBC Server software.

The VB10 IP-PROBE is cost-effective and easy to use. This makes it particularly suitable for being connected and left overnight at the customer premises for non-intrusive problem logging and capture in triple-play fibre and xDSL networks. This proactive approach to problem solving helps both in reassuring the customer as well as identifying issues faster. The VB10 IP-PROBE is fanless and therefore completely silent.

Features:

- 2 10/100 Mbps Ethernet ports
- 1 10/100 Mbps Ethernet monitor port
- Intuitive web-based user interface
- Analysis of 10 IP multicasts per unit
- Analysis of video and network parameters
- MPEG-2, h.264/AVC and WM9/VC-1
- MDI measurement and analysis
- MDI Media Window (patent pending)
- PSI/SI analysis
- Optional central management via VBC Server
- Video and audio output with MPEG2 decoding
- Local RS232 port for initial setup



IP-PROBE FEATURES:

- 3-port built-in Ethernet switch
- Dedicated mirror port for packet monitoring
- Analysis of up to 10 IP multicasts in parallel
- Channel name/multicast address mapping
- Protocol mapping details
- Max, min, average bandwidth
- PID detection, PSI/SI analysis
- IAT Packet jitter measurement and drops
- MDI measurement re. IETF Draft
- MDI Media Window (patent pending)
- MPEG2 decoding of selected channel
- h.264/AVC analysis
- WM9/VC-1 analysis
- RTP Packet measurement and monitoring
- SNMP support and detailed MIB
- Access control with login
- XML Alarm, event and setup import/export

NETWORK SPECIFICATIONS:

10/100Base-T port (NETWORK)
10/100 Base-T port (USER)
10/100 Base-T port (ANALYSIS)

VIDEO AND AUDIO SPECIFICATIONS:

MP@ML 4:2:0 decoding
PAL-B/G/I
NTSC

MECHANICAL SPECIFICATIONS:

W x H x D: 193 x 56 x 245 mm
Weight: 1.7 kg

CONTROL AND MANAGEMENT:

Basic setup/control through RS232
Remote access through HTTP/TELNET
Optional control via VBC Server

ENVIRONMENT SPECIFICATIONS:

Operating temperature: 0°C to 50°C
Storage temperature: -20°C to 70°C
Operating humidity: 5% to 95% non-condensing

CONNECTOR SPECIFICATIONS:

10/100 Ethernet input: RJ-45
Video output: 75 ohms BNC
Audio output: Stereo, phono female
RS232 port: 9-pin male D-sub
AC power: IEC 320 connector

POWER SUPPLY REQUIREMENTS:

Input voltage: 100 to 240V AC
Power required: 20 VA, typical @ 220VAC
Power dissipated: Maximum 13W

COMPLIANCE:

CE-marked in accordance to low voltage directive (LVD) 73/23/EEC and EMC directive 89/336/EEC.
Compliant to requirements for US and Canada. Designed for CSA approval.
Specifications and product availability are subject to change without notice.

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