



BRIDGETECH products adhere to The Global Standard of Digital Television.



The VB220 is an integral part of the breakthrough Full Service Monitoring concept.



The RFC4445 based 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. Reduces OPEX through fewer truck rolls and on-site visits.

The VB22 is the most portable monitoring and measurement platform available in the market. Built specifically to the requirements of the IP engineer, the tool is excellent for both pure IPTV networks based on L3 routing or IP/MPLS. Featuring loop-through electrical GigE inputs and separate management the VB22 facilitates the need for monitoring at network edge and CP locations.

The ability to monitor continuously 10 services makes the portable VB22 invaluable for field use. Its ruggedized exterior and fanless design give engineers the perfect fault-finding tool. With full support for both the MPEG2-TS and MFRTMP encapsulation standards and all modern codecs, the VB22 is built for real-world use.

With Loop-through of the GigE Ethernet ports offering non-intrusive relay protection, the VB22 will pass through the signal even without power on the unit, making it the ideal passive monitoring tool in the field.

Critical parameters such as RFC4445 - MDI and detailed jitter values give accurate readings of network performance. With the RFC4445 based Media Window (patented), historical data can be easily accessed for meaningful visualization of media flow in an IP network.

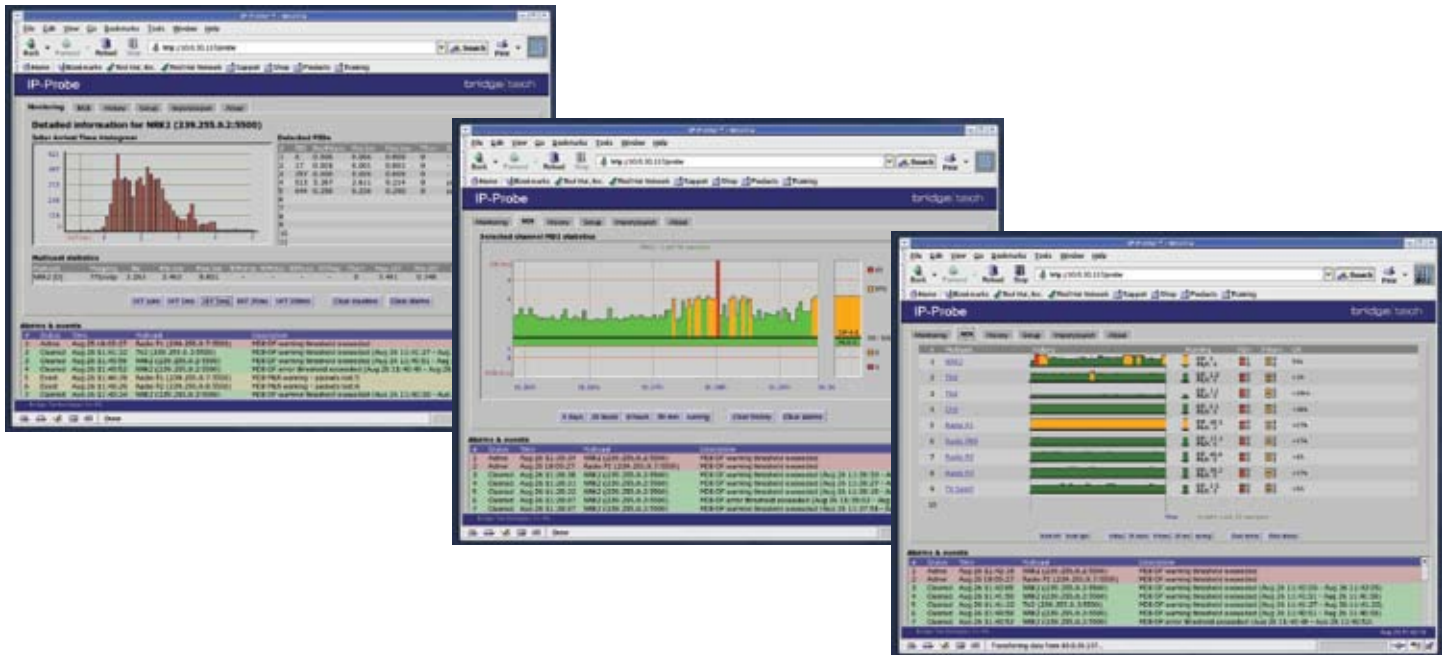
The power of confidence monitoring is further enhanced by continuous monitoring of RFC4445 parameters, bandwidth overflow/underflow and signal loss. With advanced threshold settings including error-seconds, alarm granularity can be set to facilitate reflect actual status.

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 IP-Probe runs an 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 IP-PROBE.

FEATURES INCLUDE:

- 2x 10/100/1000T Mbps Ethernet ports with protected loop-through
- 1x 10/100T Mbps Ethernet management port
- Ruggedized chassis
- Fanless convection-cooled operation
- Built-in 100-240VAC PSU
- Built-in USB to RS232 converter
- Concurrent analysis of 10 IP streams
- Monitors Transport Stream into IP according to ETSI TS 102 034
- Supports X-bit RTP header extension as used by Microsoft IPTV system MediaRoom™
- IGMP monitoring and logging
- Both IGMPv2 and IGMPv3 SSM support
- Full 802.1Q vlan tagging support/detection
- PSI/SI table visualization
- MDI measurements (RFC4445)
- MediaWindow™ visualization technology
- FSM™ monitoring of middleware services
- Thumbnail decoding of MPEG2 and MPEG4 streams
- NTP client functionality (RFC2030)
- DHCP client support (RFC2131)
- RTP dropped, duplicate and out-of-order measurements
- RDP™ of IP multicasts monitored
- Built-in web-based management
- Access control when used stand-alone
- Optional central management via VBC Server
- Optional full TR101290 alarming and analysis with round-robin on all 10 services



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
 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

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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