microC

The microVB™ is a breakthrough in both form-factor and functionality for real-time analysis of customer home network performance. This unobtrusive device provides deep packet inspection and end-to-end visibility in broadcast quality media delivery over any IP based infrastructure including OTT media in unmanaged networks.

Combined with the Bridge Technologies server software, Operators can now maintain 24/7 confidence monitoring from head end to customer home.

Forget those expensive truck-rolls and keep your Opex under control. Just pop a microVB™ into an envelope and mail to the subscriber directly. No setup knowledge is required because the microVB™ is literally plug and play.

Upon installation the microVB™ is auto discoverable and your operations centre will be ready to go. Once plugged in you need never touch the microVB™ again; just let it go on running.

Pictured is the microVB

The microVB™, as its name implies is small, even down to its price tag. The microVB™ will give you instant performance feedback on video quality, packet delivery analysis and set-top-box performance and communications.

Home networking environments are becoming more complex. This complexity makes it semi-impossible to identify whether the problems experienced are due to the home infrastructure or to the network.

The introduction of new devices and new services (data, voice, video) compound the whole complexity and error identification process even further. The microVB™ is a revolution in thinking. Now, 24/7 monitoring at the customer site as a part of a network-wide monitoring process is an affordable proposition.

Putting an engineer on-site assumes the problem will manifest itself during the customer call which is all too often not the case. The microVB™ sidesteps all of the legal, commercial and maintenance risks of hosting software, because it comes on its own hardware which is secure, low cost and non-service affecting.

The microVB™ forwards alarm states to its own microVB™ server system. The whole process is automated and fits into the overall architecture of the total system. Not only will the Operator be able to look at the end-points in a network but by using the industrial strength VideoBridge IP-Probes will also enjoy a system-wide overview. Pinpointing potential and actual problems before they become service affecting is the only way to lower service costs and hinder subscriber churn.

Packaged as a complete turnkey system, a microVB™ kit consists of microVB™ devices and the server software itself. The system can be expanded to an unlimited number of microVB™ devices. Each microVB™ system can be pre- or retro-fitted to any installation, irrespective of set-top box and network architecture.

TECHNICAL FEATURES

- Saves you a fortune in truck rolls and has paid for itself on the first call
- So small you can mail it to subscribers in an envelope
- Dedicated hardware so you don't mess with the STB
- Runs off the STB power supply (or optionally its own)
- No setup required, customer installed
- STB independent
- 24/7 operation and instant performance feedback
- microVB devices automatically report to the Micro Device Controller (MDC)
- MDC can be integrated with the VideoBridge Controller GUI
- MediaWindowTM display of MLR (packet loss) and IAT (packet jitter)
- MediaWindowTM display of bandwidth
- RTP packet loss detection
- Presentation of join latency
- Optional traffic protocol breakdown with bitrates and packet rates, presented as numbers and graphs to show history
- User specified whitelist of multicast addresses to be monitored
- Minimum/maximum bitrate check
- Grouping of microVB devices for easy viewing of regional status and history
- Merged stream status and history for groups of microVB devices
- Remote automatic software upgrade

PRODUCT ORDERING CODES

MDC	IP-Probe Blade w/1 active 10GigE SFP. NB: Requires EC
BASE-SYSTEM	50 x microVB™ devices + MDC Server + 100 microVB™ Licences for MDC
MICROVB-50	50 Pack additional microVB™ devices, requires BASE-SYSTEM
MDC-L100	For additional 100 microVB™ Licences for MDC, requires BASE-SYSTEM
MDC-L500	For additional 500 microVB™ Licences for MDC, requires BASE-SYSTEM
MDC-PFF-100	PFF - PCAP Filtered Forwarding 100 microVB™ Licences for MDC, requires BASE-SYSTEM
MDC-PFF-500	PFF - PCAP Filtered Forwarding 500 microVB™ Licences for MDC, requires BASE-SYSTEM
MDC-TMO-OPT	Traffic Module for BASE-SYSTEM MDC
MDC-OTT-OPT	OTT Monitoring and analysis for BASE-SYSTEM MDC
MDC-PFF-OPT	PFF - PCAP Filtered Forwarding

SOFTWARE OPTIONS

TMO | OTT | PFF

RELATED PRODUCTS

microVB | MDC

TECHNOLOGIES

MediaWindow | Eii | PFF

COMPLIANCE AND SAFETY

Compliant to requirements for US and Canada. Designed for CSA approval. Bridge Technologies continuously improves on products and reserves the right to modify the specifications without prior notice.

EMC: EN 55022I CISPR 22 Class A, EN 55024I CISPR 24, EN 61000-3-2/ IEC 61000-3-2, EN 61000-3-3/ IEC 61000-3-3, 47 CFR, Class B **SAFETY**: EN 60950-1, IEC 60950-1 Edition 2.0

ENVIRONMENTAL COMPLIANCE POLICY

Bridge Technologies co as is committed to fulfilling all statutory environmental requirements in accordance with the WEEE scheme.

In order to prevent the generation of hazardous waste, Bridge Technologies undertakes the responsibility for taking back and recycling electrical and electronic equipment.

This will provide incentives to design electrical and electronic equipment in an environmentally more efficient way which takes waste management aspects fully into account.

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