



## MICROTIMELINE™

MicroTimeline™ technology is incorporated into the VBC giving operators status-at-a-glance for over 200 channels and 96 hours in one single window.



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



The patented MediaWindow™ is a key technology for media over IP analysis.



Return Data Path enables sourcing of the remote signal back to the NOC, MCC or HeadEnd for detailed analysis. Reduces OPEX through fewer truck rolls and on-site visits.

**The VideoBRIDGE controller (VBC) is a server application. The main purpose is to offer central control and management of VideoBRIDGE devices such as the VBI and VB2 series of broadcast and telco IP-probes. Key elements in the VBC are: configuration management, stream status, 4-day historical data-display with the MicroTimeline™ technology, SNMP multi-destination trap forwarding, equipment hierarchy and alarm logging. The users connect to the server by using a standard web browser as the client.**

The VBC enables remote control and supervision of all VideoBRIDGE devices. The VBC controller software is deployed in a fully-fledged Linux or UNIX server environment offering powerful and standardised network access techniques such as SSH, telnet, FTP, XML, HTTP, SNMP and SYSLOG. The VBC collects summarised data from probes and presents alarms filtered by user selectable thresholds and aggregation times, thus providing the high-level overview needed in a large system while still allowing drill down for detailed alarm and measurement information.

The VBC gives unprecedented insight into network health and the flow of media streams. The VBC provides multiple views of data and makes previously unintelligible data meaningful. Both technical packet health and stream status are laid bare. The ability to perform complete drill down from top level to the individual IP-PROBE is invaluable in a fault-finding tool. For non-technical staff and senior management alike, service status monitoring in a GUI is a standard component of the VBC. Up to 540 channels can be monitored and aggregated in real time.

Multiple browser-based clients can connect to the server through HTTP. Full access control with individual user preferences and setup is included. Only users with administrator rights are allowed to define new equipment sites consisting of one or more VideoBRIDGE devices. Individual users are allowed to control already registered devices and to view gathered statistical data on a per site basis. Multiple site data views, combined with strict user access control, all add up to provide flexibility and uncompromising security.

The Reports option enables automatic or custom generation of enterprise level reports that visualise system performance trends in addition to presenting vital parameters such as service availability for both management and engineering use. The Reports option gives full SLA and proof-of-delivery functionality to the VBC system.

## BASIC VideoBridge CONTROLLER FEATURES

- Element control of all devices through HTTP/web
- Relative measurements with multiple relation points
- Aggregation of alarms with alarm storm avoidance features
- Real-time status for all FSM™ monitored services
- MICROTIMELINE™ view of last 96 hours of operation for individual streams and configurable stream groups
- MICROTIMELINE™ view provides system overview at-a-glance
- Thumbnail and metadata view with the addition of the VB280 CONTENT EXTRACTOR module
- Configurable access control supports different user roles
- No limit to the number of users accessing the VBC simultaneously
- Secure remote access via VPN or Internet for maintenance tasks
- XML parsing and export of alarms and events
- Hierarchical equipment view
- Multi-level alarm reporting and history
- Highly scalable for large national and international service providers
- File-based configuration storage and restoration
- Supports easy remote batch software upgrade of Bridgetech devices
- Choice of Linux or UNIX based OS versions
- Easy integration with 3rd party NMS systems through XML and SNMP traps

## REPORTS OPTION FEATURES

- Enterprise level reporting
- Comparison of measurements with SLA agreements
- Trending graphs
- Report time period selectable from 1 day to 2 years
- Selection of sites and streams to be included in report
- Logo import for customised reports