

Dimetis BOSS STREAM Viewer[®]

Software-based Multi Viewer for DVB & IP Stream Monitoring & Analysis

As the infrastructure for digital television and IPTV continues to rapidly expand, the need to real-time monitor, analyze and ensure signal integrity of transport stream information is more and more critical. The Dimetis BOSS STREAM Viewer[®] is a monitoring, packet inspection, analysis and quality-assurance video multi-viewer solution available as an “off-the-shelf” software package or pre-integrated into server hardware. Sold as an “off-the-shelf” software package, equipment manufacturers, carriers and end users can integrate the software into existing computer server hardware to provide themselves or their customers with “state-of-the-art” multi-viewer capabilities. Delivered pre-integrated in best of class server hardware the BOSS STREAM Viewer[®] is ready for turnkey operation for those customers that require this extra value. This is an economically priced robust “performance-equivalent” alternative to proprietary hardware-based platforms and because of its efficient design the pre-integrated BOSS STREAM Viewer[®], significantly reduces rack space, cabling complexity and power consumption compared to the hardware-only based legacy systems. Applications include cable/satellite/terrestrial compression, play-out and transmission centers, DVB and IPTV head ends, network operations centers, and IPTV distribution networks - anywhere where one wants to actively monitor multiple video streams on a single screen. BOSS STREAM Viewer[®] supports IP and DVB-based single/multiple program transport streams across all major compression standards with the ability to display dozens of broadcast quality standard/high definition video and accompanying audio channels in real time, each independently configurable in terms of size and position through a web based GUI.



System Level Features	System Level Benefits
Software-based solution using standard computer server hardware	Lowers capital and operating costs
Multiple input and compression standards	Removes complexities and costs of supporting various media formats
Configurable screen display with error indicators	Allows customization to evolving needs, maximizing workflows along with fault notifications
Real-time video & audio analysis and transport layer analysis	Provides higher levels of media quality assurance
BOSS Platform [®] compatibility	Tightly couples to other Dimetis BOSS Platform [®] applications for system and network efficiencies

Product Features

Inputs

- Up to 4 Gigabit Ethernet inputs
- Up to 8 DVB-ASI inputs

Output

- DVI, HDMI or SVGA display supporting up to 1920 x 1080 resolution

DVB

- Supports SPTS and MPTS
- Program identification via service ID
- Follows dynamic PMT changes
- Displays SDT + EIT present following

IPTV

- Unicast and multicast support
- IGMP
- MPTS & SPTS

Video & Audio Monitoring and Analysis

- Signal loss
- Video freeze / black
- Audio silence / overload / constant
- PID no data
- EIT, TXT, DD(AC3), VBI, VPS, WSS, subtitle checks
- EIT present following checks
- SNMP traps or server polling

Multi Viewer Display Screen

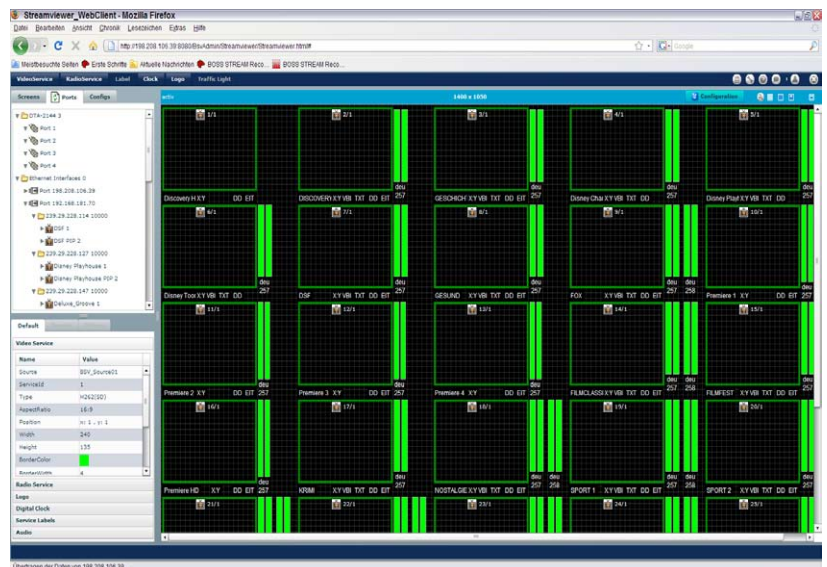
- Configurable placement and size of all input video sources
- Static texts for labels, etc.
- Static graphics for logos, etc.
- Dynamic graphics for clocks, etc.
- Comfortable configuration with internet browser

Video

- H.262, H.264, SD & HD decoding
- Up to 20 SD, 5 HD video channels or 70 stereo audio channels per single system (or mixed)
- System scalable to 35 SD or HD video channels per display screen through clustering

Audio

- Up to 4 auto-detected audio channels per video
- Mono, dual and stereo MPEG1 Layer 2, Dolby AC3
- Viewable decibel meter



Web GUI

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Headquartered in Dietzenbach, Germany, Dimetis is a leading software and hardware Systems Integrator, providing standards based Broadcast OSS solutions. With more than 25 years experience, Dimetis has an extensive customer base. Its products and services have been deployed to many of the world's largest broadcasters, telecommunication providers and media carriers.

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