

Dimetis BOSS STREAM Viewer[®]

Software-based MultiViewer 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. Dimetis BOSS STREAM Viewer[®] is a monitoring, packet inspection/analysis and quality-assurance software solution. Running on standard, off-the-shelf computer server hardware with common I/O interface cards, it is an economically priced and performance-equivalent alternative to proprietary hardware-based platforms, additionally minimizing rack space, cabling complexity and power consumption. Applications include cable/satellite/terrestrial compression, play-out and transmission centers, DVB and IPTV headends, network operations centers, and IPTV distribution networks.

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.

The system is also capable of monitoring and analyzing the actual stream packet content for video, audio and transport layer irregularities such as signal loss, video freeze, audio silence and PID data loss. Upon fault detection, BOSS STREAM Viewer[®] can generate an SNMP trap to external systems or other Dimetis BOSS Platform[®] products such as BOSS BROADCAST Manager[®] and BOSS LINK Manager[®] for studio-wide and network-wide corrective action respectively.



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	Provides higher levels of media quality assurance
BOSS Platform [®] Compatibility	Tightly couples to other Dimetis Broadcast OSS [®] applications for system and network efficiencies

Product Features

Inputs

- one Gigabit Ethernet input
- up to 5 DVB-ASI inputs

Output

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

DVB

- Supports SPTS, MPTS and dynamic PMT
- Program identification via Service or Program ID

IPTV

- Unicast and Multicast support
- IGMP

Video & Audio Monitoring and Analysis

- Signal Loss
- Video Freeze
- Audio Silence
- PID No Data
- EIT, TXT, DD(AC3), VBI, VPS, WSS, Subtitle Checks

MultiViewer Display Screen

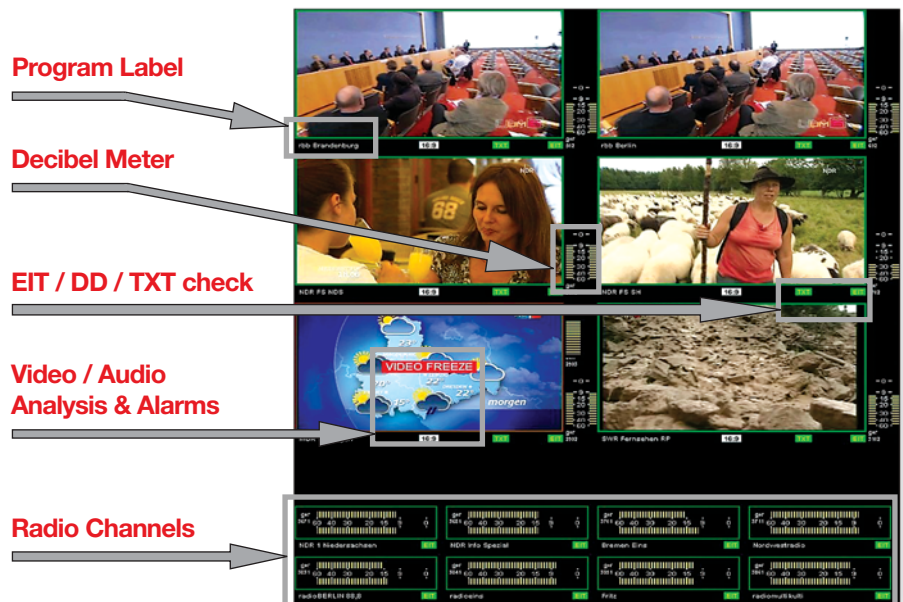
- Configurable placement and size of all input video sources
- Static texts for labels, etc.
- Static graphics for logos, etc.
- Dynamic graphics for clocks, etc

Video

- MPEG2, H.264, MPEG4 Part 2 SD & HD Decoding, VC1, MPEG1
- Up to 20 SD or 5 HD video channels per single system
- System scalable to 33 SD or HD video channels per Display Screen

Audio

- Up to 4 auto-detected audio channels per video
- Dual, Stereo, Dolby AC3, ACC
- Viewable Decibel meter



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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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