Sensor

NEWS FROM PIXELMETRIX

Get Ready for Next Generation TV

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HIGHLIGHTS

▸ VISUALmpeg Qualify

▸ DVStation-Mini² DVB-T

▸ Electronic Couch Potato™ (ECP)

Available Now! VISUALmpeg Qualify Flash Demo

VISUALmpeg Qualify™ was introduced as an expansion of Pixelmetrix array of video and audio quality analyzers. It offers a new level of off-line quality assessment for audiovisual streams with comprehensive support for most current industry video and audio encoding standards and media containers. Register for the complimentary online demo here:
http://www.pixelmetrix.com/eng/visualmpegQ_registration.html

The DVStation-Mini² joins the DVStation-Mini

Launched last year, the DVStation-Mini has been a huge hit with existing broadcast operators looking to extend the reach of their transmission monitoring to tier-2 and tier-3 stations, new operators looking to switch over to digital broadcasting, as well as mobile applications such as news satellite trucks. Due to popular demand, the DVStation-Mini family is growing to accommodate a whole new range of monitoring probes.

The new DVStation-Mini² family features upgraded internals for improved monitoring performance. **The DVStation-Mini² DVB-T also features high fidelity RF measurements, including high MER resolution capability. The DVStation-Mini² DVB-T also features black-out and freeze-frame detection on MPEG-2 / H.264 video streams.** Featuring class-leading reliability and accuracy, the DVStation-Mini² DVB-T comes in a portable and compact 1RU height form-factor.

The DVStation-Mini² DVB-T is designed with remote deployment in mind, including minimal and efficient power consumption, a compact footprint and hardware contact closures for effective and real-time event notifications. This is supplemented with SNMP and CORBA management interfaces which enable the DVStation-Mini² DVB-T notify a central operations center about events/alarms of interest.

Supports H.264!

With the DVStation-Mini² DVB-T monitoring your terrestrial transmission, you can rest assured that you'll be the first to know of any problem. For more information on how to achieve peace of mind, contact us today!
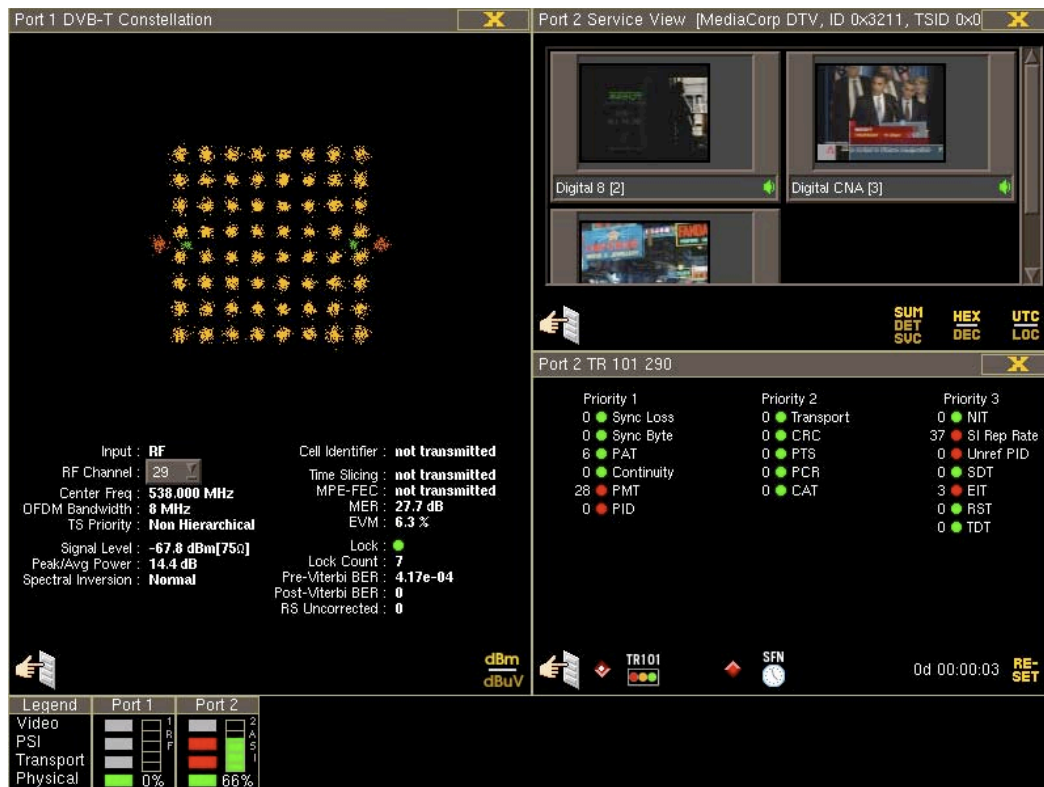
Electronic Couch Potato™ - The "Programmable" Test Robot for your Broadcast Operations

Traditional service analysis done today to check the health of services:

- MPEG-TS Analysis
- Network performance – latency
- Multicast protocol efficiency

This is not enough. The STB has a big role to play in the overall experience of your customers. The need is to go beyond this - awareness of your customer experience.

Does this matter to you?

- Channel availability
- True channel change time
- Channel performance from end user perspective
- The right content on the right channel

The **Electronic Couch Potato**™ and **Consolidator Engine**™ solution is a true service assurance tool enabling operators to monitor and measure Quality of Experience from end users' perspective (after the Set Top Box).
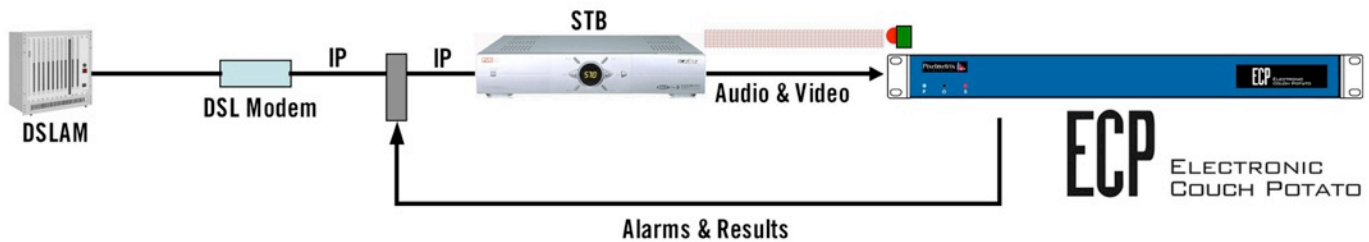
The ECP™ provides the operator with a tool to truly evaluate program availability, accuracy and Quality of Service from any location in the network on a 24/7 basis, and most importantly, on signals ready to be consumed by a subscriber – signals out of the STB.
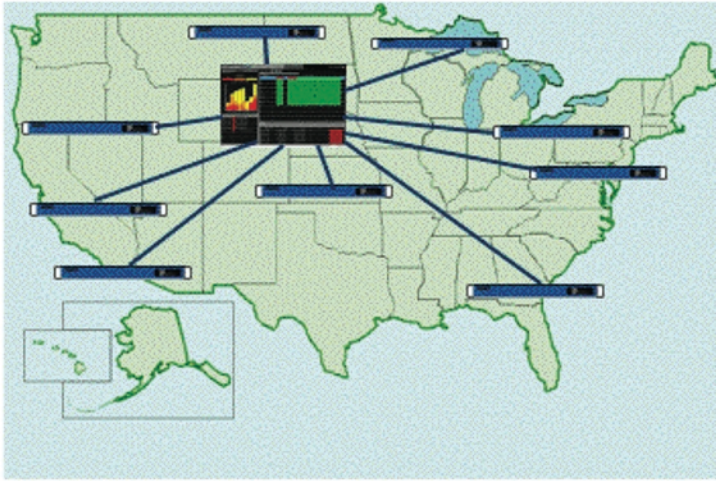
- **Real-time channel health status from remote locations**

- **Complete control over test environment from central NOC**
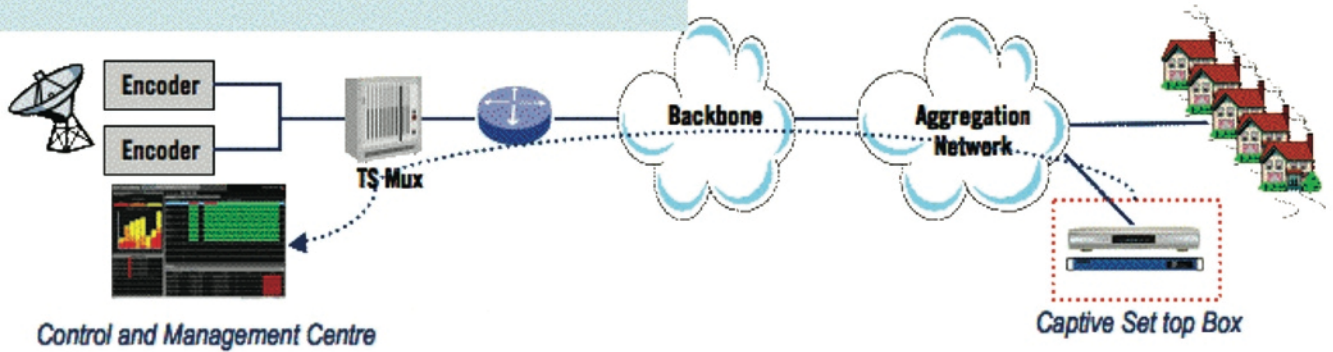
The Consolidator Engine

The Consolidator Engine provides the service operator with a real-time view of the overall performance of all services in the network. It is designed to assist the operator to drill down to the core of the problem, in the shortest time possible, by filtering results received from ECPs deployed in a specific geographic location (by country, city, area) or based on the priority of alarms. The services status dashboard reports the number of ECPs reporting errors on each channel, providing the operator a quick view of the health of services in the network. Each alarm is easily viewable from the service dashboard of the consolidator reporting the time, location of the ECP and the particular test that failed on the ECP.

Overall	Regions	Cities	Neighbourhood	Management	Profile Management

Channel Name	Channel Overall Status
News 24/7	1
Buzz TV	1
History Channel	1
Hollywood News	1
Sports Unlimited	1

Electronic Couch Potato™ - Your tool to see what your users experience

- 24/7 visibility from all geographic locations
- Remote power control of captive STB in test location
- Intelligent consolidation of telemetry at central site
- Remote control features allowing unattended repeatable operations for unmanned locations

DVStation

DVStor

DVShift

About DVStation

Pixelmetrix has focused on creating a single self-contained monitoring station that can analyze thousands of parameters within hundreds of digital television signals. Through the use of plug-in modules and parallel processing, it can monitor all these parameters real-time, simultaneously and continuously. Whether it is monitoring for compliance of an RF carrier, MPEG transport stream, picture quality or program content, development efforts are targeted at assuring the quality of the signal, integrity of the program service and delivery of essential technical information to the right people, in a timely and meaningful manner.

The DVStation-Remote is a compact version of the flagship DVStation, ideal for smaller-sized facilities. Consisting of one to four book-sized Pod modules and a single 1U rack-mounted Remote Controller, the system is operated through a LAN or dial up telephone, allowing database or user access from a personal computer.

The DVStation-Pod is a low-cost tool that can analyze and troubleshoot digital broadcast signals. Lightweight and portable, it easily slips into a tool case. DVStation-Pod borrows most of the advanced features of the DVStation, including its extraordinary user-friendly interface, on-board transport stream capture, internal playback and analysis, as well as error and measurement logging.

The DVStation-IP[3] offers a one-stop monitoring engine for IP and Transport Stream Analysis, detailed service visualization and IP Headend Output verification for IPTV networks. It provides, on all services, MPEG-2 and H.264 main profile thumbnails, Media Delivery Index (MDI) which allows packet loss and jitter measurements as well as video presence, freeze or blackout displays.

The DVStation-Mini provides a compact and cost-effective way for terrestrial, cable and satellite operators to maintain visibility of network quality and performance. It offers comprehensive TS monitoring and is optimized for remote site deployment.

TS Time Shift

This unique product is ideal for delayed re-broadcast across time zones and provides stable, user-programmable delays from seconds to days.

DVShift is a great improvement over the conventional approach of utilizing separate audio/video delay equipment which simply does not work with the advent of multi-channel audio, multiple subtitles or closed captioning, and especially so with multimedia content such as MHP.

TS Recording & Playback

The DVStor system provides real-time recording and playback of MPEG transport streams over a pair of ASI interfaces.

Capable of recording more than three days of MPEG-2 transport stream, the full integration with our DVStation Preventive Monitoring platform means past alarms and errors can be fully investigated and analyzed.

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