Sensor

As sunshine greets a brand new day
And snowflakes fall like rhythm divine;
Pixelmetrix wishes you a joyous holiday
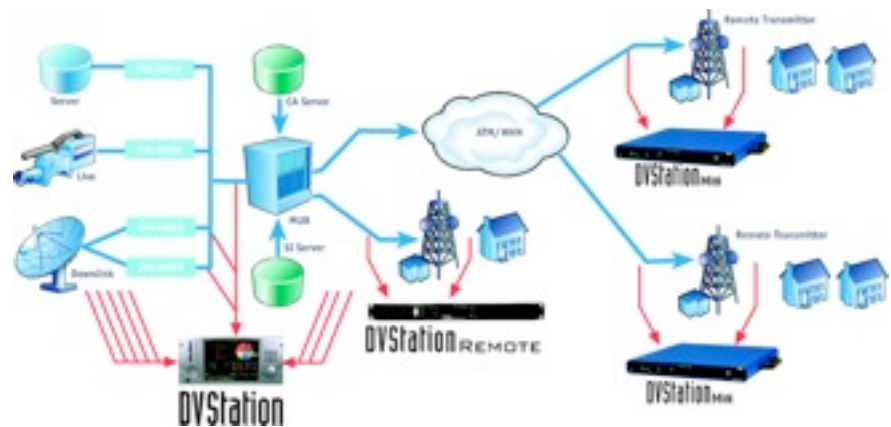And a wonderful, thriving 2009!

Pixelmetrix
c o r p o r a t i o n

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HIGHLIGHTS

▸ DVStation-Mini DVB-T

▸ Electronic Couch Potato (ECP)

AFFORDABLE, COMPREHENSIVE DVB-T MONITORING

DVStation Mini

Affordable DTT Monitoring

The DVStation-Mini provides an effective yet affordable DTT Monitoring solution that can be deployed throughout the transmission network for SFN Monitoring to ensure that transmitters work effectively. With support for H.264 video and AAC audio, the DVStation-Mini DVB-T is a future-proof investment.

Drawing on years of monitoring experience, the DVStation-Mini DVB-T inherits features from the rest of the DVStation family. Features on the DVStation-Mini have been developed and refined in close cooperation with major DTT operators to deliver exceptional value to our customers.

Pixelmetrix seals the deal with a major European IPTV operator

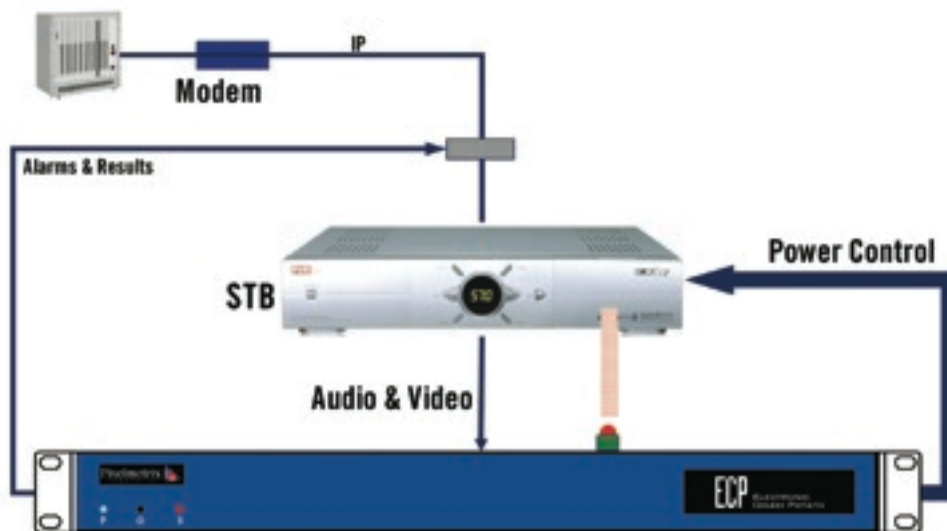Electronic Couch Potato™ (ECP™) gets the thumbs up

Pixelmetrix received its first order for the Electronic Couch Potato™ (ECP™) and ECP Consolidator™ from a major IPTV operator based in Europe.

The ECP, an after the network probe, measures and reports end-users' experience for delivered video services. Integral elements include telemetry and fault information from multiple points along the transmission chain. So is the consolidation of that information to one or more points of central control and observation. As a central management console, the ECP Consolidator™ works in tandem with a collection of ECPs. It presents the status of all broadcasted channels scanned.

Said Danny Wilson, Pixelmetrix President & CEO. "We are thrilled to to be working with such a leading IPTV operator. The ECP is indeed a unique IPTV quality service management offering and it even has a catchy name! More importantly, it serves its purpose to allow operators to monitor their television networks and extract pertinent, meaningful information. At the same time, they can optimize their service delivery and achieve consistent end-users' Quality of Experience. We are enthusiastic at the prospect of several orders coming in as more IPTV operators look to ramp up and efficiently manage their triple-play service."

According to Reto Brader, Pixelmetrix General Manager, EMEA, "The customer was compelled by the novel concept of the Pixelmetrix ECP, and is interested in deploying this solution all over their IPTV service platform. The ECP's unique, non-intrusive way of analyzing true quality of experience at the output of the set top box, combined with the flexibility of the solution that allows addressing different applications from software regression testing to validation of the customer experience, for example, of their distributed Video On Demand (VOD), sealed the deal. It is a good start to end the year, and we continue to provide enhanced integrated solutions to help them achieve end-to-end visibility of their network operations."

Telepresence, a key feature of the ECP, allows remote monitoring of the audio and video output of the STB. This is achieved by encoding the audio and video signals and streaming them back to the central site. In addition, numerous measurements and parameters for QoE and QoS are reported. This facilitates a close audit of what is really going on out there.
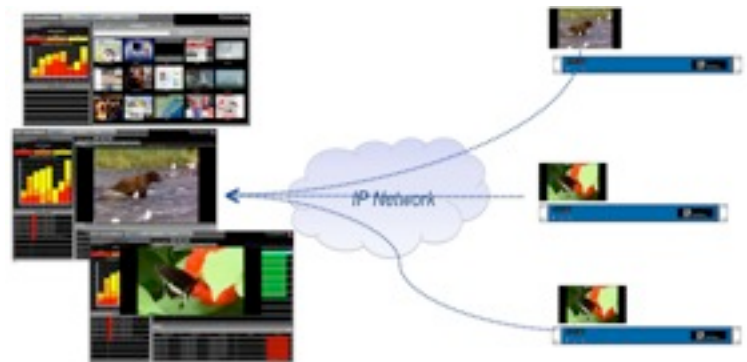
Is your signal 'Everywhere' and 'Right'?

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.

Remote Telepresence

The ECP encodes into MPEG-4/AAC the analog video/ audio output of the STB and streams over the IP network at 500 Mbps. The consolidator presents a high-density video wall and remote streaming allows operators to visually verify the presence and integrity of services at remote locations.

See what your services look like Everywhere

- Live thumbnails of all scanned channels
- Live real-time streaming of any channel from remote location
- Multi user/ Multi- channel streaming platform
- On-the-fly H.264 and AAC Encoding of STB output
- Remote power control of STB from Central Management Server

Questions this Couch Potato answers for you

- Is my channel on the channel number I expect?
- Is the video frozen or is the audio missing?
- How does my channel look?

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

Tradeshow Report

TelcoTV, California

Power-packed, true end-to-end IPTV Quality Monitoring solutions was in the spotlight at the Pixelmetrix booth 901. Products displayed included Electronic Couch Potato™ (ECP) and ECP Consolidator™ as part of the Viewer Experience Monitoring demo and the DVStation-IP³ to illustrate the Video Over IP Quality Assurance for Cable and IPTV.

Other demo featured was the EndGame™, that provides IPTV Content Aggregators and IPTV Operators with a suite of tools spanning the entire content delivery chain, allowing operators to track Quality of Service problems from a single customer, back through the network right to the headend. There were also the VISUALmpeg Qualify for File-based Video Quality Verification in VOD and Archiving, DVStorIP-Gen as well as the Emmy® Award winner DVStation.

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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