



Issue 68 - April 2008

## HIGHLIGHTS

- ▶ DVStation-Mini bagged the Pick Hit Award
- ▶ DVStation-Mini
- ▶ DVStation-IP<sup>3</sup>

## SEE US HERE

- ➔ NCTA Cable Show 2008  
May 18-20, New Orleans  
Booth 204
- ➔ ANGA Cable Show 2008  
May 27-29, Cologne  
Booth E40

## DVStation-Mini wins the Pick Hit Award at NAB

Pixelmetrix received the Broadcast Engineering Pick Hit Award for its newly launched DVStation-Mini at the recent NAB in Las Vegas.

"The Pick Hit award ended this year's NAB on a sweet note, following our Emmy® Award win for our DVStation early this year. The anticipated launch of our DVStation-Mini has prompted much excitement from the terrestrial and cable TV guys. Designed to perform as the indispensable, portable testing unit, the Pick Hit Award is a deserved merit," said Danny Wilson, Pixelmetrix President and CEO.



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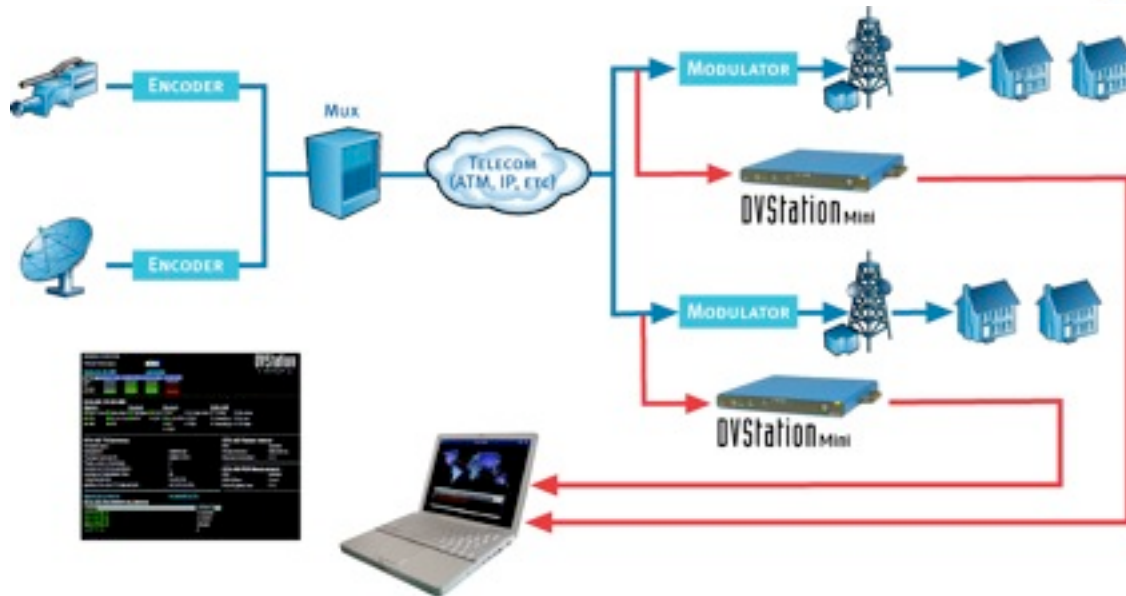
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# DVStation-Mini

## Affordable & Comprehensive Transport Stream Analysis



DVStation-Mini TSP has a single test input of ASI or SMPTE-310 and can be used as a portable test device with easy to carry handle, or as a single RU rack-mounted unit. Signals can be monitored over a LAN or Internet connection using a simple web browser (supporting Mac and PC) or VNC remote user interface, which supports up to four users plus a shared mode for collaboration with others.

Target applications are DTV compliance testing for terrestrial broadcasting, cable headend testing and compliance as well as satellite uplink contribution and distribution.

Measuring 13.5 by 1.5 inches and weighing only 5.7 pounds, the DVStation-Mini offers a full suite of transport stream analysis and monitoring tools – displaying video thumbnails and critical audio and video parameters in a concise and clear format. A simple user interface minimizes the learning curve, while its robust software allows users to drill down to examine errors.

Using the same Emmy® award winning technology as the full size DVStation, the DVStation-Mini is based on the Linux operating system, ensuring long term stability. It also supports DVB, ATSC and Digicipher® protocols for extreme flexibility.

The unit features a shock-mounted internal hard drive that withstands hard mobile use and supplied programmable APIs and SNMP for integration with large Network Management Systems.

The DVStation-Mini is also available as a PSK model, featuring an L-band input.

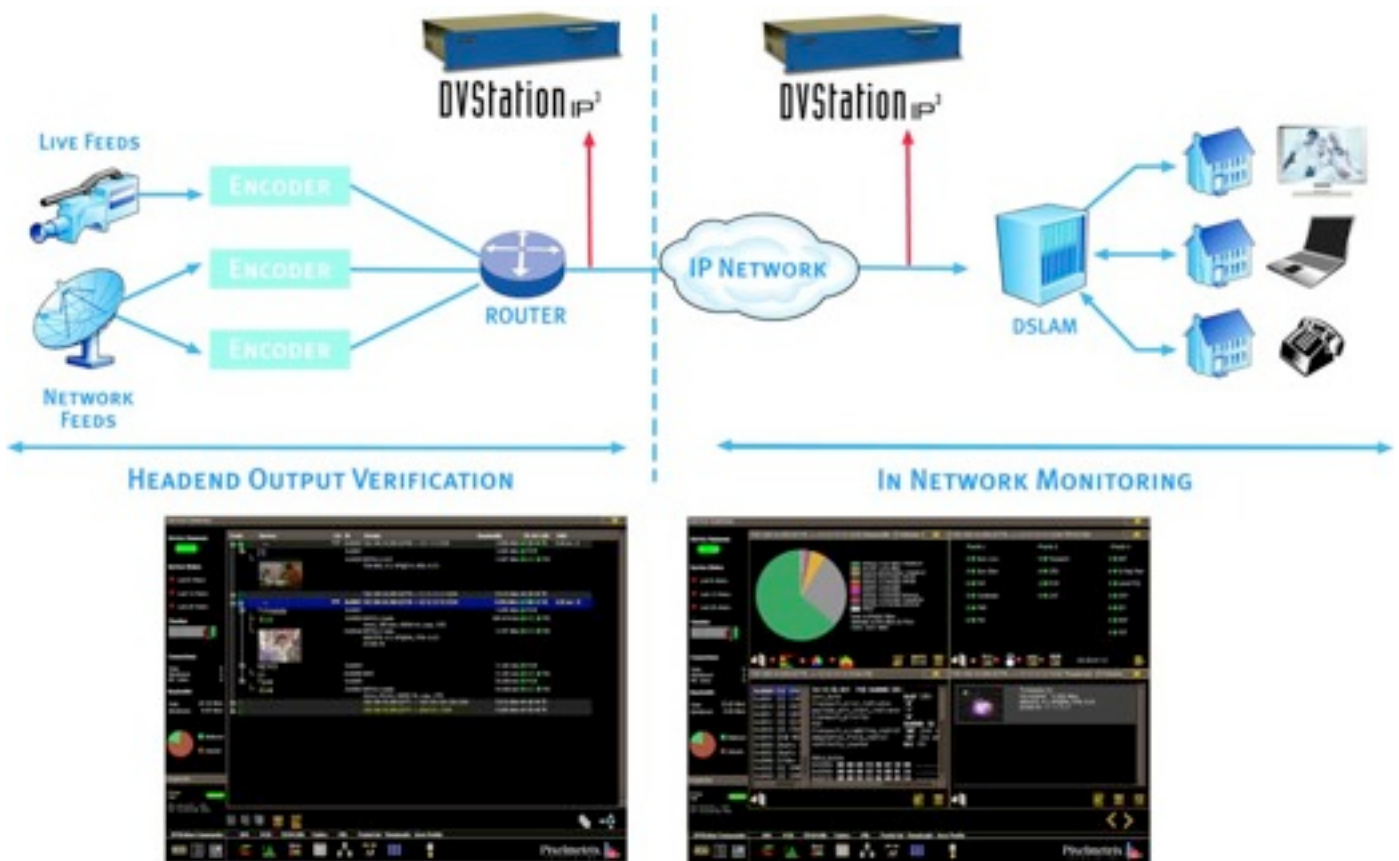
## DVStation-IP<sup>3</sup> got the thumbs up at NAB

DVStation-IP<sup>3</sup> was once again a head-turner at NAB. The functionality of the gigabit video services over IP delivery assurance tool excited IPTV, satellite and cable service providers, as these can quickly transit the links to video delivery over IP.

The capabilities of the DVStation-IP<sup>3</sup> to perform video services analysis are well received by many service providers - it is the clear choice to perform in-depth monitoring in their labs and operations. The recently introduced OCV™ (Online Content Validation) feature of the DVStation-IP<sup>3</sup> was a stellar enhancement, as it allows validation of content on the pipe, meeting delivery expectations.

Another feature, the RSV™ (Remote Service View), allows service providers to visually validate content integrity and quality at remote site by real time streaming to a central monitoring console over the IP network.

With all the thumbs up, Pixelmetrix is enthusiastic about the enormous potential of the video over IP delivery assurance solution that the DVStation-IP<sup>3</sup> offers.



## Tradeshow/Seminar Reports

### IPTV World Forum, London

Danny Wilson was engaged in the “Video Quality or Bust!” video debate discussion hosted by the ipTV News Studio (part of ipTV News) and the IPTV World Forum.



View the video here:

<http://www.iptv-news.com/content/view/1802/73/>

Moderated by Steven Hawley, IPTV Senior Analyst, Multimedia Research Group, Inc, industry experts shared valuable insights into what it takes to achieve high video quality and to maintain it, scalability of IPTV TM&M, IPTV test methodologies and more.

At the show, Pixelmetrix exhibited the award winning DVStation-210, DVStation-IP<sup>3</sup>, DVStorIP-Gen, EndGame™ as well as the VISUALmpeg video quality analyzer.

### ABU Digital Broadcasting Symposium, Kuala Lumpur

Amit Sood, IPTV Product Manager, presented the “IPTV: It’s Television” paper and “Quality of Experience: Television is Mature” workshop.

The workshop covered the basics of technologies relating to traditional digital broadcasting in the Asian region and its uptake, how digital television delivery, as a model, is maturing in the region and how monitoring is a catalyst to high quality of experience for the customers.

He also discussed the advent of IPTV - similarities and differences of IP delivery of video content from traditional delivery. The challenges in this emerging field and how a robust monitoring strategy can minimize the risks of adoption of newer IP dominant technologies especially within the Asian region, was also covered.



## Tradeshow/Seminar Reports

### CCBN 2008

Pixelmetrix featured a line-up of Headend, Remote, Portable, TS Recording/Playback and Time Shifting as well as Video over IP monitoring solutions at this show.

### NAB 2008

Danny Wilson presented an IPTV paper at two conferences during the recent NAB - Telecom2008 Conference and the Broadband TV World Summit.

At this session, he shared his perspectives on understanding TV in its totality, focusing on quality of television programming delivered to the end consumer and also how the IP transition will impact broadcasters.

Pixelmetrix showed the latest suite of Test Measurement and Monitoring solutions for the cable, satellite, terrestrial and IPTV operators to optimize their service delivery.



Special features at the booth included some integrated solutions - Viewer Experience Monitoring, presenting the Electronic Couch Potato™ (ECP) and ECP Consolidator™; Video over IP Assurance with the DVStation-IP<sup>3</sup> and Remote Monitoring with the DVStation-Remote, highlighting the DVStation-Mini and introducing the DVProbe-C.

Also highlighted are the Satellite Solutions with the Emmy® Award winning DVStation-210, introducing ATSC Transport Stream Compliance Verification software, new IP solution to the DVStation-210 and DVB-S.2 ASLF; Disaster Recovery and Compliance Recording with the DVStor; Lab Environment for IP Video Delivery with the DVStorIP-Gen, DVStation-IP<sup>3</sup>, EndGame™ and introducing the VISUALmpeg Qualify (video and audio quality analyzer).



# 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<sup>3</sup> 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

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.



# DVStor

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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