

# Sensor

News from Pixelmetrix

## Issue 3

June 2002

### Pixelmetrix in the News

Some of the latest additions to the Pixelmetrix family.

1. In relationships with both **Scopus** and **Japan Telecom**, Pixelmetrix is providing monitoring for the **World Cup Football** games in Korea and Japan.
2. Another satellite corporation joins our portfolio with a deal with **APT Telecommunications** based in Hong Kong. APT operates several **APSTAR satellites** between 76 and 138 degrees, providing coverage to Asia and the South Pacific.
3. In Singapore, **HBO - Home Box Office** has deployed DVStation in their encoding and uplink center.

### International Language Support

As part of our continuing effort to make DVStation a truly flexible platform capable of smoothly integrating to any environment, we have added support for non-roman languages – including Russian, Arabic, Japanese, and Chinese. Additionally, the system is not restricted to one language at time, but rather can display any mixture of character sets. Built around the Linux *unicode* character processor, the system can display SI and service information seamlessly throughout the DVStation GUI — whether operating locally or remotely!



Bandwidth by Service Display

Program ID	Name	Category	Count	PMT PID	Condition	Acc
602	602_0	4 قناة Digital TV	5	268	True	
603	603_0	6 قناة Digital TV	2	268	True	
604	604_0	5 قناة Digital TV	2	270	True	
605	605_0	اللذ صريمون للتريوي Digital TV	2	271	True	
606	606_0	TCM Digital TV	2	272	True	

Content Validation

```
short_event_descriptor
ISO_639-2_language_code rus [Russian]
event_name          Уильям Шекспир
text_char           Биография Уильяма Шекспира, драматурга и поэта, гениал

short_event_descriptor
ISO_639-2_language_code ara [Arabic]
event_name          سيرة ذاتية
text_char           سيرة ذاتية : للسيرة الذاتية | كاتب للمسرحي ويليام شكسبير

short_event_descriptor
ISO_639-2_language_code eng [English]
event_name          Biography
text_char           William Shakespeare

short_event_descriptor
ISO_639-2_language_code heb [Hebrew]
event_name          וויליאם שיקספיר
text_char           קריאה דרמטים מהמחזה 'המלט' ע"י קר לורנס מוליביה
```

Table Decode & Display

New North American  
Toll Free Number!

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## NAB Review



Are "Golden Eyes" good enough anymore?

Pixelmetrix President and CEO Danny Wilson addressed this subject during the Broadcast Engineering Conference of NAB held in Las Vegas, April 2002.

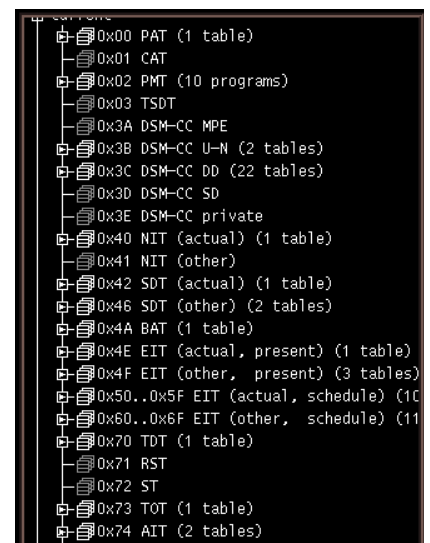
Presented during the session on Station Automation and Central Casting, this new technical paper, "Monitoring Digital TV Quality: Are 'Golden Eyes' Good Enough Anymore?" explored the new challenges digital broadcasting present.

Those interested in receiving a copy of the paper should contact [info@pixelmetrix.com](mailto:info@pixelmetrix.com).

## Content Validation for MHP

The Multimedia Home Platform (MHP) is an evolving new technical standard that allows interactive multimedia programs from different content providers to be accessed through a common set top box. Because the new platform is an open standard suitable for global deployment, it promises to bring a true convergence of broadcast multimedia services and the Internet to a mass audience.

The MHP suite of standards describes a broad range of features and weighs in at almost 2,000 pages. DVStation has had support for datacast monitoring for almost a year now. In our latest software release, we've expanded MHP support to include MHP-specific SI information and DSM-CC Data Carousel monitoring.



## The Miranda Glass Cockpit

Also shown at NAB was an integrated Preventative Monitoring and Visualization system based on the Pixelmetrix DVStation and the Miranda Kaleido. At the Pixelmetrix booth we showed DVStation providing telemetry information to Miranda's Kaleido-QC system.

The system integrates visual inspection of broadcast video with technical analysis and alarm reporting of RF, MPEG Transport Stream, and Picture Quality parameters.

Integrating seamlessly into the Miranda *Glass Cockpit* paradigm, the system makes it easy for operators managing hundreds of programs to quickly identify and rectify problems before they jeopardize overall service quality or customer satisfaction.

Errors identified by the DVStation are flagged in real-time on the beside the affected program on the integrated monitor display as a red alarm. Simply clicking on the alarm button brings detailed information about the alarm — allowing action to be quickly taken.



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