News Release

Contact:
Bettina Kirkegaard
Pixelmetrix Corporation
011-65-6547-4935
bettina@pixelmetrix.com

U.S. Office
965 N. Nob Hill Rd. #114
Ft. Lauderdale, FL 33324

Ph: 954-472-5445
Fax: 954-472-6989

For Immediate Release

Pixelmetrix to expand next generation DVStation 'Preventative Monitoring' Solutions at NAB 2002

Introducing NAB 2002 theme, "Give Your Eyes a Rest"

NAB 2002, Las Vegas – Preventative Monitoring, the new paradigm in broadcast monitoring and quality control, will occupy center stage in the Pixelmetrix Corporation exhibit booth at NAB 2002. DVStation-Pod, DVStation-Q, and DVStation-Remote, three new compact versions of the award-winning Pixelmetrix DVStation, will be demonstrated along with the latest versions of the company's advanced broadcast monitoring software. Pixelmetrix is located at booth L10643 in Central 4 hall.

Pixelmetrix's Preventative Monitoring system is a proven method to insure the integrity of not only signal quality, but the validity and proper delivery of program content on satellite, broadcast, and cable networks. DVStation, the company's flagship 21-port Preventative Monitoring solution, is the most advanced guardian available to continuously monitor the quality of digital television signals. Based on a cost-effective, expandable real-time platform, DVStation fits as easily in a small digital broadcast station as in a major multichannel facility where it can monitor thousands of parameters within hundreds of digital television signals.

DVStation-Pod, shown at NAB 2002 for the first time, offers a complete single-channel commissioning tool in a book-sized case. It is priced as low as $7,500. Used in conjunction with a personal computer, it is ideal for integrating, installing and troubleshooting digital television facilities.

DVStation-Remote, also making its debut, is a cost-effective, single-port system designed to monitor multiple remote sites in real-time. System information is delivered via LAN into a central reporting database. Now, system operators can be alerted instantly to problems occurring anywhere on large, geographically diverse networks.

DVStation-Q is a new four-port, 2RU version of the product designed especially for remote monitoring applications where the integrated display and expandability of the standard DVStation are not required.

With its new NAB 2002 theme, "Give Your Eyes a Rest," Pixelmetrix will demonstrate to NAB attendees that the traditional method of judging broadcast picture quality with human eyes is no longer adequate to assess and monitor the vast amount of data passing through the modern digital television network.

"Effective monitoring of today's digital television networks requires the use of real-time, continuous and simultaneous evaluation of multiple points along the broadcast chain," said Danny Wilson, President and CEO of Pixelmetrix. "It should include the SDI signals that pass through the television plant, and extend through the encoded MPEG and RF signals that move beyond the plant. This level of monitoring – designed to prevent problems before network failure – far surpasses the capability of human oversight.

"In the modern control room – where hundreds of channels are often displayed on huge a monitor wall – even if an operator 'eyeballs' an imperfection in the video, it is all but impossible to quickly identify *which* piece of equipment or connection point caused the problem," Wilson continued. "Tracking the trouble manually can take time and diligence while network performance suffers."

In addition to its new product introductions at NAB, the company announced the formation of Pixelmetrix Professional Services, a new value-added service to help DVStation customers create effective automated monitoring and quality control systems for digital broadcast facilities.

The new Pixelmetrix consultancy is designed to harness the expertise of the company's leading specialists in automated monitoring to help television facilities lower start-up costs and reduce the steep learning curve that often comes with commissioning new digital systems.

Pixelmetrix will also demonstrate a software upgrade for all DVStation products. A significant new feature is called TS Capture with On-Board Playback. Using this update, DVStation's Transport Stream module allows the operator to automatically capture up to 96MB of the MPEG stream whenever an error occurs. Once captured, the data can be played back by the DVStation itself for review, thus helping engineers locate problems quickly without having to depend upon costly external test and measurement equipment to evaluate the data.

In another technology demonstration, Pixelmetrix will demonstrate a new 8-VSB interface module for its DVStation line. The module, now in development, accepts an 8-VSB RF input, and allows DVStation to measure 8-VSB modulation quality, monitor the MPEG transport stream, and validate program content. It will eventually allow digital terrestrial broadcasters in the United States to implement a complete automated monitoring strategy using DVStation.

The power and flexibility of DVStation comes through the use of plug-in modules and parallel processing. This robust design insures the necessary computer processing power and the range of interfaces that are needed for instantaneous monitoring of the signal types used in today's digital television facilities. Users are thus able to monitor pre-set parameters for any signal in real time, simultaneously and continuously. Results are displayed on an easy-to-understand graphical user interface.

DVStation offers full physical layer testing with interfaces for ASI, SDI, RF and ATM. If a preset threshold in a signal moves out of range, DVStation can send a warning before system failure brings the network down. If a program service parameter – such as language or subtitles – becomes misconfigured, DVStation's On-Air Content Validation feature issues an alert.

"Validation of the integrity of on-air content is a unique feature of DVStation. No other monitoring device does it," Wilson noted. "In a multichannel environment handling hundreds of programs with varying configurations, validating the correct delivery of content is essential, especially when demonstrating compliance with service integrity contracts. The is an important benefit of our product."

In addition to its monitoring capability, DVStation offers a new level of remote reporting flexibility. Network data is made accessible and meaningful – not only to the maintenance engineer, but to the non-technical operator who may be on duty when a problem arises. DVStation's wide range of remote options allow the monitoring of signals from un-staffed remote sites, as well as the convenient control of systems in a facility through a corporate LAN or over the Internet. It's even capable of sending a detailed email alert to a pocket pager.

The concept of Preventative Monitoring will be addressed in Danny Wilson's technical paper, titled: *Monitoring Digital Picture Quality: Are "Golden Eyes" Good Enough Anymore?* The presentation is scheduled at 3:30 p.m. on Sunday, April 7, in Room S220 of the Las Vegas Convention Center. It's part of the Broadcast Engineering Conference session on Television Station Automation and Central Casting. Copies of the paper will be available at the Pixelmetrix booth.

About DVStation

DVStation, DVStation-Q, DVStation-Remote and DVStation-Pod by Pixelmetrix are award-winning systems for monitoring the quality and performance of digital networks. DVStation is the only all-in-one solution that can monitor a signal path from studio to home. The operator sets the monitoring thresholds and alert methods for the entire network from a single location. DVStation will notify operators if there's trouble, with alerts delivered remotely over a corporate LAN, the Internet or even to a pager. If signal and content integrity is essential for business success, DVStation is the most advanced Preventative Monitoring solution available today.

About Pixelmetrix Corporation

Pixelmetrix Corporation is the global expert in Preventative Monitoring for digital television networks. The company provides equipment and network intelligence systems to television broadcasters for management and monitoring of quality of service. Headquartered in Singapore, Pixelmetrix has offices in the United States and Europe. Pixelmetrix customers include CNN, CBS, Disney, HBO, Japan Telecom, KPBS, NTL, Sky PerfecTV Japan, British Telecom and Télédiffusion de France. It is the winner of the Peter Wayne Award for Best Design and Innovation IBC 2000, and Winner of the STAR 2000 Superior Technology Award from TV Technology Magazine. For more information, visit www.pixelmetrix.com.

For more information about DVStation and Pixelmetrix, please email info@pixelmetrix.com or visit www.pixelmetrix.com.

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