Broadcast System Glitches are a Fact of Life.
Uncover the Problem and Fix it Fast, with Monitor IQ Alerts.

(Image Banner with Monitor IQ Alert message screenshot on iPad or desktop)

The Need

- Digital broadcast media comes in many forms and may pass through multiple coders, decoders and interfaces, any of which has the potential to cause errors.

- When there's a discrepancy or signal failure, it is critical to expose the error immediately, identify the problem, and resolve it quickly.

- Potential problems may involve regulatory compliance mandated by the FCC, proof of airing required by advertisers, or infrastructure issues needing system hardware maintenance.

- Trouble-shooting an entire system manually to isolate a discrepancy can take hours of valuable engineering time.

- An automated alert system must integrate with third party technology and be compliant with established workflows.

The Solution

- **Compliance Alerts:** Monitor IQ^{TM} Alerts enable error messages via SNMP and email for all compliance issues that warrant attention, including loss of Audio, Video, Closed Captions, Loudness threshold and accurate generation and delivery of NAVE codes to Nielsen monitoring equipment.

- **Engineering Alerts:** Monitor IQ's Infrastructure Self-Check continuously monitors the total health of the system, automatically performing more than forty types of hardware status checks, including CPU, RAM and power levels.

- Digital Nirvana's Advanced Metadata Harvester^{TM} tracks the data from all types of alerts, locates where the error occurred in the broadcast signal, collects forensic analysis about the event, and reports that data, allowing

station engineers and executives to map directly to the problem for resolution.

- All alerts related to a channel or system are displayed in one place, facilitating effective trouble-shooting and correction.

- Monitor IQ enables custom set-up and display of alerts, including delivery to desktops and mobile devices through all standard web browsers, without the need for ActiveX.

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Industry: Broadcast

Product: Monitor IQ^{TM} 4.0

Version: Premier

Feature: Alerts

Customer Benefits:

- Increased system confidence and improved efficiency
- Alerts uncover both compliance and maintenance issues
- Automated reporting allows quicker trouble-shooting and resolution
- Custom set-up controls for both signal flows and hardware status
- Easy integration with third party systems and existing workflow

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Feature Brief
Monitor IQ^{TM} Alerts

About Monitor IQ Broadcast Monitoring System

Monitor IQ combines a complete range of monitoring, logging, archiving, verification, and analysis functions, and runs on Digital Nirvana's Open Media Appliance. Designed with a highly efficient architecture and a simple iOS/Android interface, it integrates seamlessly with third party software. The resulting workflow is quick and easy, making the most of valuable time and money.

The modular system accepts multiple signals, both HD and SD in full resolution, and exports them in a wide range of file formats for content repurposing,

including Flash, MPEG-2, MPEG-4 and H.264, and XDCAM. It combines Signal and Loudness Monitoring, Compliance Monitoring, Aircheck Logging, Archiving, Competitive Analysis and the ability to record Multi-language Audio/Video and VANC Metadata -- all in a highly-scalable networked appliance.

Web Captioning ensures that programming complies with new FCC closed captioning mandates in the SMPTE Timed Text Format. Program Guide Extraction automatically extracts EIT data directly from the broadcast, enabling recording by program. Search capabilities offer the flexibility to search by keywords, CC text, metadata, titles, descriptions, as-run and traffic logs, imported reports and discrepancy reports for quick content search and retrieval. Meanwhile, an Infrastructure Self-Check performs more than 40 types of ongoing system checks to proactively monitor the total health of the Monitor IQ system.

Version 4.0 of Monitor IQ boosts workflow accuracy and efficiency even further with new advanced editing, playback and recording features:

Advanced Editing
- Display frames over the video scroll bar while scrubbing
- Mark In and Out points easily from the scrollbar below the video player
- View and share clips generated immediately via the enhanced UI
- Display frames within a second and Cut clips with frame accuracy

Enhanced Playback with smooth VTR control
- Fast forward/rewind in 1x, 2x or 4x speeds
- Slow motion forward/rewind in 1/4x or 1/2x speeds

Recording
- Record the transport stream in original format for analysis

Available options for Monitor IQ include NAVE Watermark Decoding, Centralized Management, Ad Detection, Director's Audio Track and Open API. Monitor IQ is compatible with all standard web browsers and the latest mobile device technologies, without requiring the installation of ActiveX.

About Digital Nirvana

Since 1996, Digital Nirvana has been empowering customers with innovative knowledge management technologies. By combining media and digital technology expertise, Digital Nirvana makes it possible for organizations to streamline operations and gain competitive advantage with advanced product and service offerings. The company's product portfolio includes the industry-leading Monitor IQ broadcast monitoring system, AnyStream IQ OTT monitoring solution, and the MediaPro content repurposing system. A comprehensive service portfolio includes media monitoring and analysis, market intelligence and analytics, and

learning management services. Digital Nirvana is headquartered in Newark, California with offices in Hyderabad and Coimbatore, India.

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