

Stream Broadcast Manager™

www.digital-rapids.com

Enterprise-level live encoding management for the new era of broadcast

Whether viewed through a PC or set-top box, and whether delivered publicly through the Internet or through a closed network, IP-based streaming content delivery is redefining broadcast. With this new opportunity comes a new set of challenges. Bridging the worlds of traditional video and IT networks, your media encoding and streaming platforms are key points along the critical path between you and your viewers. Reliably delivering television over IP requires multiple encoders – one for each channel, plus backups for fault tolerance. The greater the number of encoders, the greater the need for centralized management and monitoring, the greater the challenge of responding to any issues that occur, and the greater the operational complexity.

Stream Broadcast Manager provides centralized management and control of multiple Digital Rapids StreamZ or StreamZHD live streaming encoders, handling node management, scheduling, status updates, failover, maintenance modes and alerts. Whether you have two encoders for fault tolerance of mission-critical applications or two hundred encoders for enterprise-level installations such as IPTV, the scalable Stream Broadcast Manager software bolsters reliability while reducing operational cost and complexity.

Centralization brings simplicity

Stream Broadcast Manager can centrally schedule, control and monitor the streaming process on each encoder and offers individual or group-based system management, significantly simplifying operation. Setup is streamlined through automatic detection of encoders on the network using discovery protocols, enabling seamless scalability and expansion. Encoding and streaming parameters are easily assigned to encoders within Stream Broadcast Manager through reusable project files.

Tasks including changing projects, rebooting if permitted or taking an encoder offline can be scheduled. Systems can be stopped at pre-determined times to allow system maintenance such as software updates, with the backup systems automatically brought online while the primary systems are in maintenance mode. Stream Broadcast Manager provides features for both attended and unattended status monitoring. A high-level network overview lets you quickly scan your encoding nodes for problems and drill down if any issues arise. An integrated database keeps track of all activities and events. Stream Broadcast Manager can also alert engineering and operations staff to events such as failures, scheduled events or job completions through configurable notifications and customizable reports.

Failover and “self-healing” reinforce reliability

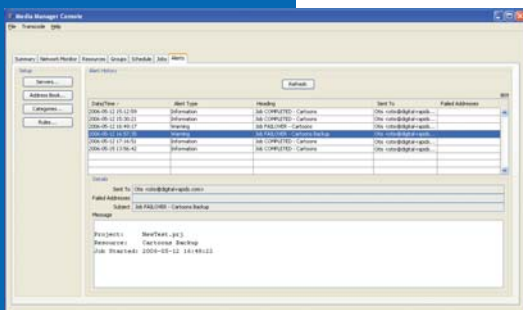
Maintaining a loyal, engaged audience requires a consistent, reliable viewing experience. The Stream Broadcast Manager software provides failover management and “self-healing” recovery to automatically respond to failures in a timely fashion with minimal disruption, boosting your reliability of service to your viewers. Stream Broadcast Manager monitors the encoding and streaming process on all active systems. If a failure is detected, Stream Broadcast Manager automatically transfers operation to a backup system, with minimal interruption to your customers’ viewing experience. Stream Broadcast Manager’s “self-healing” functions attempt to resolve problems directly on failed systems – particularly significant when backup encoders are unavailable. Stream Broadcast Manager will attempt to restart the encoding process on the system and, if the system is configured to permit it, remotely reboot the system if necessary.

Combining its fast, elegant failure recovery with its centralized management and control capabilities, Stream Broadcast Manager simplifies operations while reducing the operational costs associated with manual management and monitoring of the systems – all while meeting broadcasters’ requirements for high availability video delivery and integrating seamlessly into the new IP-based content distribution world.

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focused on the future of digital video