

Using Spinnaker to Monitor A/V Feeds

Remote Management in a Live Streaming Environment

Problem

You're broadcasting a live event, such as a sports event, concert or a City Council Meeting, over the Internet. Downtime is unacceptable. What if someone trips on a video or Ethernet cable? What if your encoding system is in another building, or another city? You don't want to hear from viewers tomorrow that there was no audio or a loss of video. How can you remotely monitor your audio/video feed?

Solution

Inlet Technologies' Spinnaker family of live streaming appliances has been designed with a focus on availability as well as reliability. Spinnaker's suite of monitoring tools enables operators to effectively manage their program from anywhere on an IP network. By employing proactive alarm systems, multiple control interfaces, and extensive logging systems, Inlet Technologies makes streaming IP video a truly professional experience.

Background

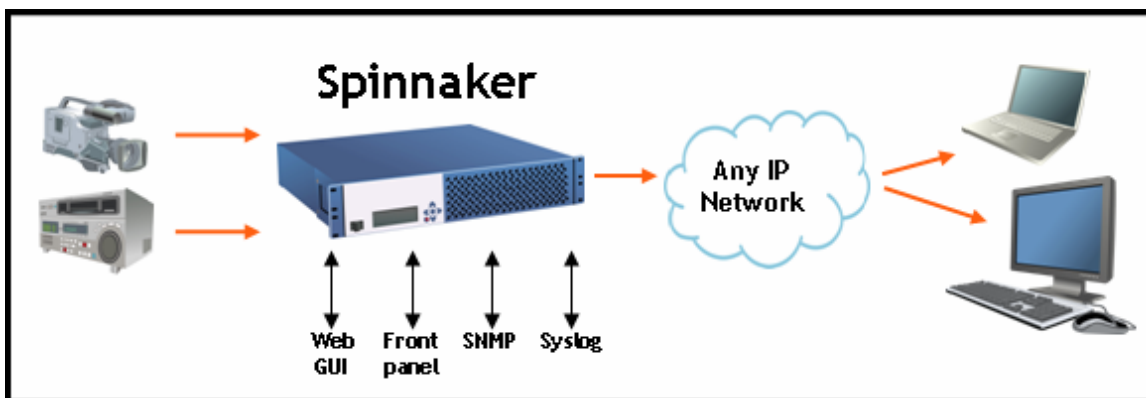
Accidents, equipment failure, and operator error are facts of life. Maximizing reliability and availability is a key factor in designing a live streaming system.

- Reliability is a measure of how long something will last before failure
- Availability is a measure of equipment "up time"

Spinnaker's reliability is boosted by using rugged server grade components, and its availability is enhanced with monitoring tools that immediately alert you when something goes wrong. By maximizing both reliability and availability, Spinnaker helps ensure the continuity of your event production.

How Spinnaker Works

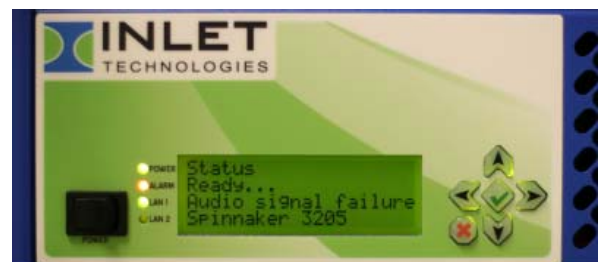
Spinnaker's alarms monitor all critical system functions, including such items as fan operation, temperature, Ethernet connectivity and detection of input signal loss. When something goes wrong, Spinnaker immediately alerts the operator in a variety of ways. Spinnaker uses its award winning Web GUI, LCD Front Panel, Syslog reporting, and SNMP trap system to highlight any interruption in audio or video.



Step-by-step

Front panel

Simply check the front panel to see any alerts or alarms that may be present on the system. Multiple alarms will scroll across to give you comprehensive access to the entire system health.



Web GUI

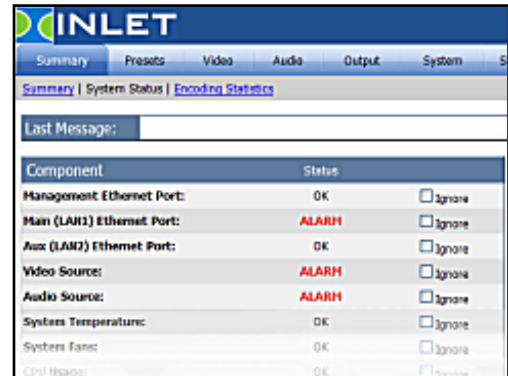
1. Log into the encrypted Web GUI from any browser.
2. Click on System Status
3. Check the health of your system

SNMP

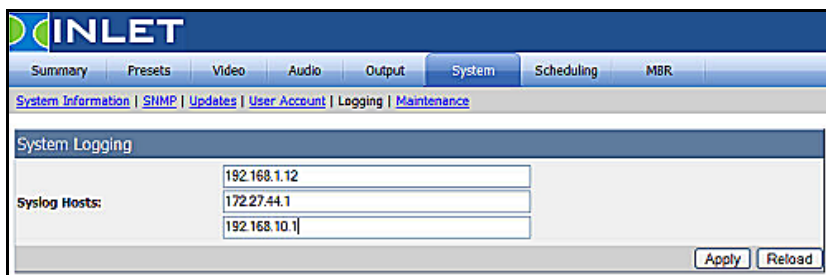
1. Log into the encrypted Web GUI from any browser.
2. Click "System", then "SNMP"
3. Enter your SNMP information, and remotely receive traps of any Spinnaker status change

Syslog

1. Log into the encrypted Web GUI from any browser.
2. Click on "System", then "Logging"
3. Enter up to 3 Syslog hosts for live, real-time status reporting.



Component	Status	Ignore
Management Ethernet Port:	OK	<input type="checkbox"/>
Main (LAN1) Ethernet Port:	ALARM	<input type="checkbox"/>
Aux (LAN2) Ethernet Port:	OK	<input type="checkbox"/>
Video Source:	ALARM	<input type="checkbox"/>
Audio Source:	ALARM	<input type="checkbox"/>
System Temperature:	OK	<input type="checkbox"/>
System Fans:	OK	<input type="checkbox"/>
Audio Source:	OK	<input type="checkbox"/>



System Logging

Syslog Hosts:

192.168.1.12

172.27.44.1

192.168.10.1

Apply Reload

Results

Spinnaker's monitoring capabilities make it quick and easy to monitor the status of your production, whether you are onsite, across town, or across the globe. These advanced tools enable new media broadcasters to not only harness the reliability of Inlet products, but ensure the availability of their content from creation to distribution. Live, real-time monitoring is the professional difference when it comes to new media distribution.



Inlet Technologies
1121 Situs Court, Suite 330
Raleigh, NC 27606

phone: 919.856.1080
www.inlethd.com