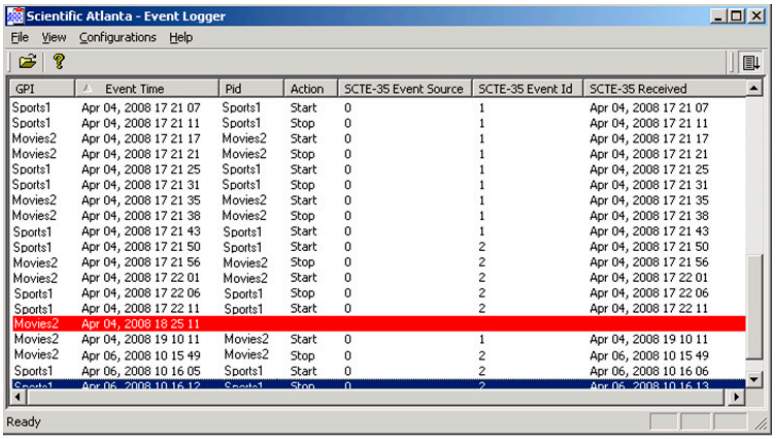
Cisco Event Logger

Product Overview

The Event logger is used by Programmers and Broadcasters to monitor and log digital program insertion (DPI) messages, allowing them to verify correct and timely transmission of the signals via a satellite distribution system.

DPI is used to signal local ad insertion or local program insertion from broadcasters and programmers to receiving sites such as cable MSOs and IPTV headends. DPI is generally signalled from the satellite uplink, and normally terminates in splicers at the headend, where ads from ad servers or programs from alternate sources are spliced into the stream. Headends may be financially impacted if a DPI avail is not fulfilled and a local ad or program is missed. As a result, if programmers and broadcasters do not see a DPI event take place, they often ask the uplink owner to verify that DPI signals were actually sent.

Figure 1. Event Logger view

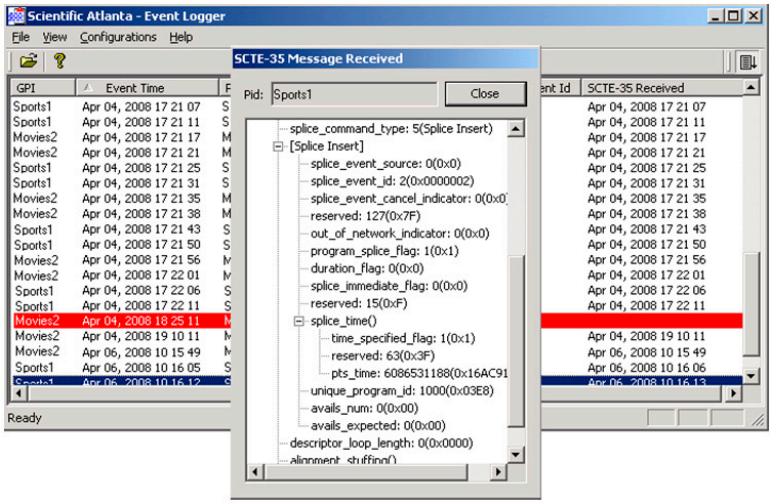


The Event Logger provides a means of monitoring, correlating, and logging DPI triggers and the resulting DPI messages. General purpose inputs (GPIs) on video encoders, used to trigger SCTE-35 message generation, are monitored by the Event Logger. Configured GPI state changes indicate to the Event Logger that a specific DPI message is now expected. The Event Logger then watches the ASI output of a monitoring receiver to look for the expected SCTE-35 message. If the message is not received within a given time period, the Event Logger flags it as a missed event. If the message does arrive within the given time period, it is correlated to the configured GPI and logged as a matched event. Results are logged in real time and archived for record-keeping purposes.

In addition to logging received messages, the Event Logger also provides detailed decoding for DPI messages according to the SCTE-35 standard. This feature allows uplink operators to view all contents of SCTE-35 Start and Stop messages to assist receiving sites in diagnosing headend configuration issues, without having to refer to a protocol analyzer.

The Event Logger is system agnostic, allowing it to monitor, correlate, and log DPI messages in Cisco PowerVu® and ROSA® systems as well as encoding and decoding solutions from third party vendors.

Figure 2. Event Logger - SCTE-35 Message Received view



Key Features

- 108 GPI contact sensors
- 6 ASI inputs
- SPTS and MPTS support
- Detailed decoding of SCTE-35 messages
- Data archiving
- Real-time and offline operation

Specifications

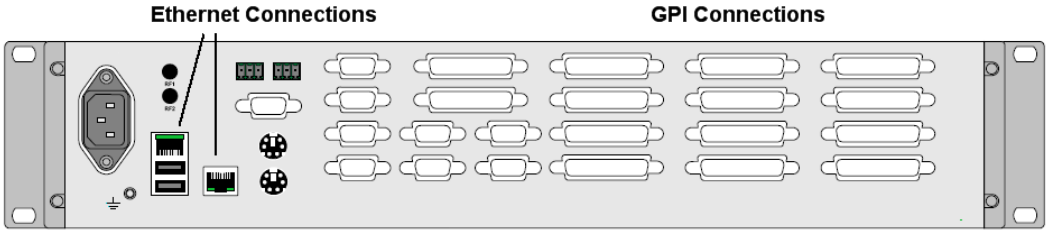
Table 1. Release 1.0

Functions	Features
Transport Input	
DVB-ASI Output	3 ASI Outputs
Connector	BNC
Impedance	75 ohms
TS Packet Length	188 bytes
ASI Bit Rate	213 Mb/s

Functions	Features
GPI Monitoring	
GPI Sensors	ROSA EM
Minimum GPI Pulse Width	500 ms
Number of GPIs	108
Power Requirements	
AC Power	110/220 VAC

Event Logger Equipment

Figure 3. ROSA EM rear panel



Ordering Information

Description	Part Number
Event Logger - 6 ASI Inputs, including ROSA EM with 108 GPI inputs	4025466

1-800-722-2009 or 678-277-1120
www.cisco.com

Part Number 7015567 Rev B
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