TS SCTE35 Processing

Control Signal Processing System

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ENCODED MEDIA
CONTROL SIGNAL PROCESSING

Software based insertion and modification of encoded media control signals

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The TS Signal Processor is a software solution for adding or modifying control signals in an encoded media stream.

Typical applications include adding SCTE35 ad break commands. Other capabilities include modifying or removing existing ad break commands, including DAI markers. Also, adding anti-skip control signals and parental control content markers, removing unwanted Metadata and basic PID mapping.

The timing of when these signals are inserted into the media stream can be controlled via traditional broadcast automation systems, the Starfish REST API, or a customised control protocol (to simplify integration with an existing workflow).

Multiple, fully independent, channels can be installed on the same generic enterprise grade server.

KEY FEATURES

- Supports MPEG2, H264 and HEVC/H265 encoded media
- Input stream switching
- Inputs support SMPTE 2022-7, providing seamless input protection of redundant source signals
- SCTE35 Ad marker insertion
- Content rating metadata insertion
- Ad break anti-skip marker insertion
- Unwanted metadata and ad marker removal
- PID Management and mapping

- IP or ASI inputs and outputs - SPTS or MPTS. ASI is supported via an additional hardware card installed in the server.
- Input can utilise source-specific-multicast signals from routed networks implementing IGMPv3
- Operates in a full failover redundancy configuration
- User friendly GUI for system set-up and configuration
- Full REST API

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HARDWARE REQUIREMENTS

Runs on generic enterprise grade server hardware. Minimum hardware specification: Intel Xeon E5-2400 Family, 4 core processor - or better, 12GB RAM. Operating System - Microsoft Server 2022, or Debian GNU/Linux.

The application is protected by means of a hardware security dongle and systems can be upgraded to add additional channels simply by licence updates.

ASSOCIATED PRODUCTS

The TS SCTE35 Processing application is part of a family of transport stream processing products available from Starfish Technologies Ltd. More complex PID management and mapping is available within the Starfish TS PID Management application.

All specifications and minimum requirements are subject to change without prior notice. Please check before purchase.

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