

## TESTING AND MONITORING OF ENCODED MEDIA SYSTEMS

A software application to test and analyse encoded broadcast media systems

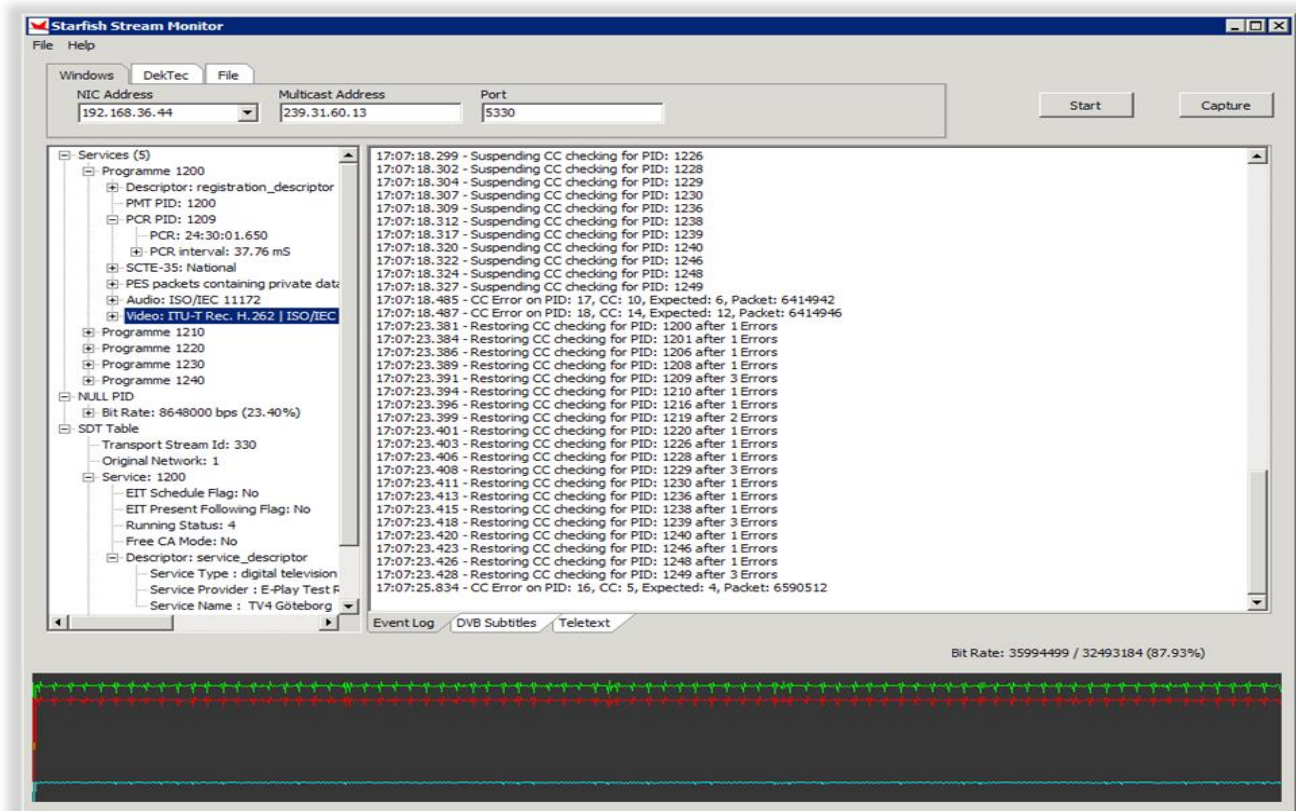
TS Toolkit is a software product that combines the functionality of Transport Stream recording, playback of pre-recorded files, and analysis of file contents.

The monitoring application provides a full breakdown of all PIDs in the stream being monitored including type, number, and the current timestamp. PCR discontinuities are

detected, and Continuity Count errors are flagged.

DVB subtitles and teletext can be decoded and displayed in the user interface video window.

It has applications in both live systems and test facilities.



## KEY FEATURES

- Operates on real-time transport streams or pre-captured files containing MPEG1 or 2, H264 or HEVC/H265 encoded media
- Input and output via IP or ASI. SPTS or MPTS. ASI is supported by utilising a DekTec card
- Supports two simultaneous inputs and outputs which can be different formats and data rates
- **Recorder** - Streams can be either RTP or UDP
- During recording the instantaneous file size is displayed on the user GUI
- **Player** - Output bit rate is determined by the file data
- PCR, PTS and DTS are automatically corrected for each programme in the file
- Output is UDP or RTP if utilising a DekTec card, or UDP only from the computer NIC
- **Analysis** - Detailed breakdown of the transport stream contents by PIDs and services, including analysis of tables and descriptors
- PCR analysis
- Error reporting for non-conformant input material, including PCR, PTS and Continuity Count error checking
- Offline monitoring creates an XML file containing the salient details of the monitored file
- Real-time display of DVB subtitles and teletext carried in the transport stream
- SCTE-35 monitoring (program insertion cueing messages)
- Displays instantaneous bit rate and provides an indication window which shows the overall bit rate in green, and the active bit rate in red. The difference between the two are the NULL packets sent out to pad the overall bit rate to a constant value

## 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 2016 or later.

## ASSOCIATED PRODUCTS

The TS Splicer is part of a family of transport stream processing products available from Starfish Technologies Ltd.

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