labwise
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Streamwise Test Stream Suite - ATSC 3.0

Fully customized test stream suites
for Antenna Ready HD self-testing

ATSC 3.0

Technical Specification

The StreamWise ATSC 3.0 Test suites from Labwise consists of carefully prepared video and audio test streams for self-testing against the relevant parts of the basic broadcast ATSC 3.0 specification.

The Labwise's Test suites helps the digital TV device manufacturers to better develop compliant products for the cable, satellite, or terrestrial TV networks.

The Streamwise Suite is supplied on a USB HDD with comprehensive instruction documentation and optional hardware components.

Contents of Suite

The ATSC 3.0 Test suites comes with various software, hardware, and documentation components, creating fully integrated test suites, for example, for product developers and system test engineers.

Test Streams

The ATSC 3.0 Test suites consist of carefully prepared video and audio streams and clips customized for performing tests based on ATSC 3.0 specifications concerning:

- A/341 (Video)
- A/342 Part 2 (AC4)
- A/342 Part 3 (MPEG-H System)
- A/343 (Captions and Subtitles)
- A/330 (Link-Layer Protocol)
- A/331 (Signaling, Delivery, Synchronization and Error Protection)
- A/337 (Application Signaling)

Documentation

The ATSC 3.0 Test suites are delivered with comprehensive documentation with instructions. The documentation explains the contents of each test stream, the way the streams are to be used against the test cases and what are the various parameter settings to be used with each stream.

Stream Player

The Streamwise Suites are delivered with a dedicated Labwise Streamer application for playing out the test streams. The Labwise Streamer comes with a handy WEB based user interface for effortless operation.

Package Configurations

In addition to the Test Streams and the Documentation, Labwise also delivers necessary hardware components in several optional configurations with the Streamwise Test Stream Suite. The configurations are the following:

- The Test Streams, Documentation, and the Labwise Streamer
- The Test Streams, Documentation, and the Labwise Streamer, with modulator boards.
- The Test Streams, Documentation, and the Labwise Streamer, with modulator boards, and with a PC (desktop or rackmount) with the Streamwise Suite fully pre-installed.

System requirements

The Streamwise Suite currently supports the following hardware configuration:

- 2.8 GHz dual-core Intel
- 2 GB RAM
- 500 GB hard drive
- Windows XP
- DekTec modulator boards