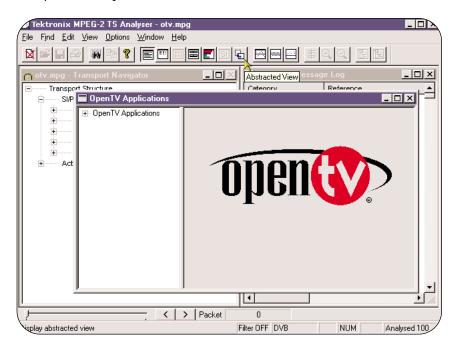# OpenTV Analysis – Software Module

▶ OpenTV Analysis

▶ **Features**

Seamless Plug-in Software Module to Existing TS Analyzer Software

Specialized Additional Analysis for Proprietary Interactive TV Platform

Various Levels of Data Can Be Examined in Detail

Allows User Control of OpenTV-oriented Validation Tests, Targeted Error Reporting and Debugging

▶ **Applications**

Broadcast System Software Development and Test Verification

Set-top Box Design

Cable, Satellite and Terrestrial System Transmission Compliance

The Tektronix OpenTV[1] analysis module is the ideal tool for anyone building and developing OpenTV-based data carousels or any associated OpenTV product for DTV. The OpenTV software module simply plugs into your existing TS Analyzer providing extended functionality beyond the many key features and utilities already offered.

[1]OpenTV is the trademark of OpenTV, Inc.

OpenTV analysis can help save time and resources during development and implementation of OpenTV applications, in turn helping to increase revenue and decrease down time through fault isolation. OpenTV analysis is one of many data analysis solutions available on the Tektronix AD960 MPEG Data Broadcasting Test System, the AD953-II MPEG Test System and the AD952-II MPEG Test System.

Tektronix

Enabling Innovation

OpenTV Analysis – Software Module

► OpenTV Analysis

Table 1 shows the enhancements OpenTV Analysis Software Module provides to the existing software.

► Table 1

OpenTV Analysis Enhanced Functions	Standard Functions
OpenTV application view	Packet display and analysis
OpenTV application flag view	Timing and statistical displays
Module view drill down	MPEG-2 table display
Module ID extraction	DVB table display
Module checking against directory module	Enhanced DVB SI
CRC32 error reporting	ATSC PSIP table display
PMT stream description identifies OpenTV private tables	MPEG-2 table tests
Fully compliant with existing TS Analyzer from Tektronix	MPEG-2 descriptor tests
Full offline analysis	MPEG-2 timing tests
	DVB table tests
	DVB descriptor tests
	ATSC TS tests
	PSIP table tests
	ATSC descriptors
	ATSC timing tests

► Characteristics

Host Specifications

Tektronix AD953-II or equivalent hardware with software version 6.4.2 or higher is required for operation.

The OpenTV module requires an existing TS Analyzer in order to run. TS Analyzer is available as part of Tektronix MPEG Characterization products including AD953-II, AD960, AD952-IIM and AD952-IIR.

► Ordering Information

AD953-II-OP – OpenTV for the AD953-II.

AD960-OP – OpenTV for the AD960.

AD952-IIM-OP – OpenTV for the AD952-IIM.

AD952-IIR-OP – OpenTV for the AD952-IIR.

Note: Software options can only be supplied to authorized licensees of OpenTV technology.

For the most up-to-date product information visit our web site at www.tektronix.com

Tektronix

Enabling Innovation