

News Release
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IMMEDIATE RELEASE

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DVEO Introduces PSIP Toolkit™ for its ATSC PCI Capture Cards

**A dynamic link library
for writing real-time programs to modify tables
in ATSC compliant MPEG-2 streams**

San Diego, CA - DVEO, the broadcast division of CMI, will introduce its PSIP Toolkit™ at NAB 2005. The DVEO PSIP Toolkit is a dynamic link library (dll) designed for writing programs to analyze and modify PSIP tables in real-time. The high level Toolkit is designed to analyze the tables in the PSIP structure and present them to the developer. Once the PSIP tables are presented, several functions are available to modify the tables in real-time.



“With DVEO’s ATSC Master II PCI bus-based I/O card and a PSIP Toolkit, an application can be quickly written to extract and manipulate data in the PSIP tables,” stated Les Zoltan, Sales Manager.

DVEO’s PSIP Toolkit is an extension of the “Sync API” for the ATSC Master II Card. The “Sync API” is designed as a high level library for OEM’s who use the



ATSC Master II PCI card as an I/O device for importing or exporting SMPTE 310M compliant transport streams.

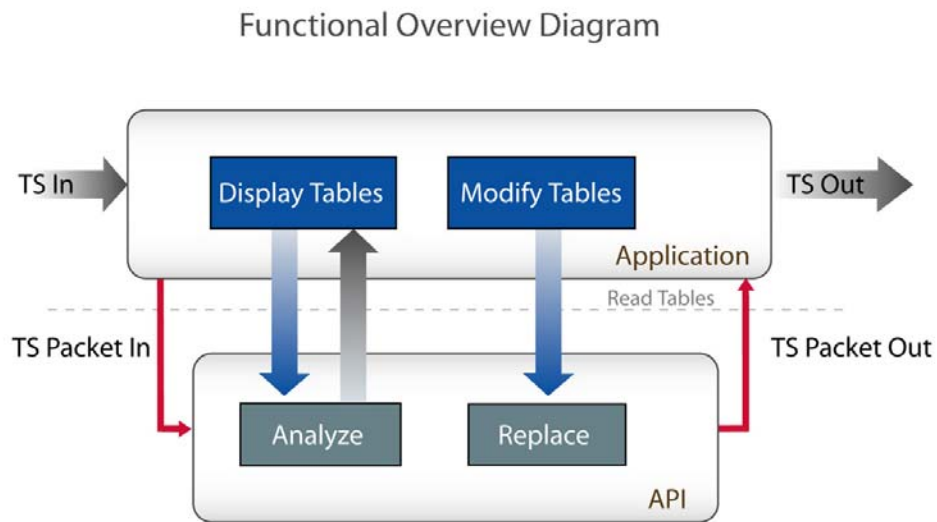


Figure 1

Figure 1 shows a typical setup used with the DVEO PSIP Toolkit. When the toolkit is launched with suitable initial parameters as defined in the API, the application reads in the ATSC compliant MPEG-2 Transport Stream (TS). The TS packet is passed on to the table processor module responsible for analyzing and modifying the tables in the streams. The TS packet is returned back to the application once processed by the table processor module.

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DVEO PSIP Toolkit runs in two modes:

Analyzing Mode: DVEO PSIP Toolkit is launched by the application through its initialization function provided in the API. Once the DVEO PSIP Toolkit is initialized, it goes into the analyzing mode and will analyze the tables until the application calls the reset function.

Replacement Mode: DVEO PSIP Toolkit passes into the replacement mode once the application requests one or more table/tables values to be modified through the API. When modifying tables, DVEO PSIP Toolkit updates the requested values in the table/tables, increments the version number of the table/tables and updates the MGT if needed with the new modifications. Once a new version of the table is received from upstream, the changes requested by the user are lost.

DVEO PSIP toolkit is used to build applications to run on Windows 2000 & Windows XP using the Windows Visual C++ compiler. It is an extension of Sync API with "high level" calls to Parse, Examine, and Modify the entries in the major tables found in the ATSC PSIP table structure in real time using DVEO's ATSC Master II.

Applications:

- Remap of channel line ups
- Modify data in any table
- Modify program guides that operate in real time
- Creation of DVB ASI multiplexers by providing basic table manipulation functions



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Features:

- Separate library calls or "operators" to "massage " PSIP tables.
- High speed operators to read and write contents of tables and modify them at over 100 Mbps/Sec
- Uses a call back model to get data in and out

Suggested Retail Price: DVEO PSIP Toolkit: \$1,495.00 US

About CMI and DVEO

CMI is a privately held company founded in 1982 by Laszlo (Les) Zoltan headquartered in San Diego, California. DVEO, the recently formed Professional Broadcast Division of Computer Modules Inc., sells DVB ASI, SMPTE 310M, SMPTE259M, SMPTE292M, and HDTV products to the top television broadcast companies throughout the world.

Note to Editor: For more information on CMI and DVEO, please contact Rebecca Gray at (858) 613-1818. To download DVEO's press releases and product images visit the news section at <http://www.dveo.com>.

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