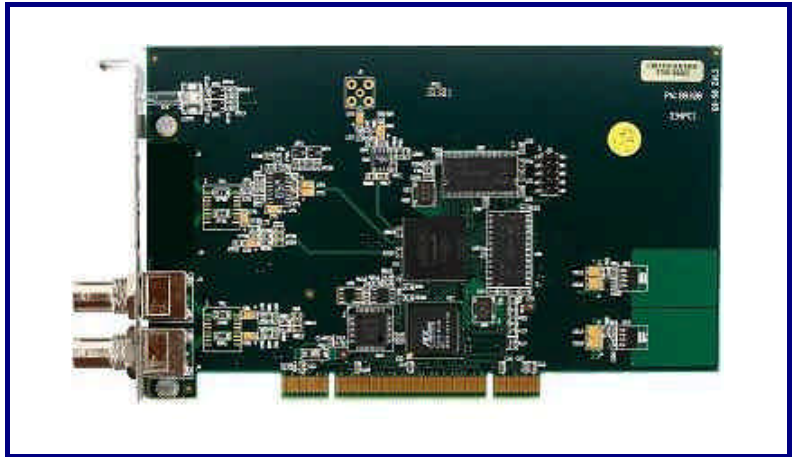


Digital Video Interfacing Products

AT30XPCI

- DVB-ASI output
- Two External BNC outputs
- One Internal SMB output



Standard Features

- **PCI 2.2**, 32 bit, 33/66MHz 3.3V.
- Bus Master DMA, Scatter /Gather Interface Protocol.
- Windows XP, Vista, Win 7 (64bit) Drivers + SDK.
- Linux Drivers & sample application.
- Accompanied by DVSStaion3, Alitronika's Integrated TS Player, Recorder & Real Time Quick Analyser Software.
- Supports DVB Standards **A1010Rev1** and **EN50083**.
- Supports 188 /204 byte Packet Sizes.

Output

- **Two** DVB-ASI outputs.
- Programmable Output Bit Rate.
- Null Packet Insertion by hardware.
- Selectable Burst size mode & continuous mode TS output.
- Hardware TS generation.

Application

Targeted for Digital Video Professionals, Sophisticated End Users and OEMs the AT30XPCI is an ideal solution for A number of applications such as:

- Development Tools.
- DVB to IP or IP to DVB Gateway.
- Transport Stream Playing.
- Transport Stream Analysing
- Transport Stream Monitoring.
- Video on Demand Server.
- Transport Stream Test Generator.
- High Speed Serial Data Link.



Specifications

- On Board Buffer:** 16Mbytes
- Serial Connectors:** 75 Ohms BNC
- Output Signal level:** 1.0Vp-p nominal
- DVB-ASI Output Bit Rate:** 0 to 214 Mbit/s
- Bit Rate Stability:** +/- 25ppm
- DVB-ASI Output Clock:** 270 MHz
- Size WxL:** 175mmx107

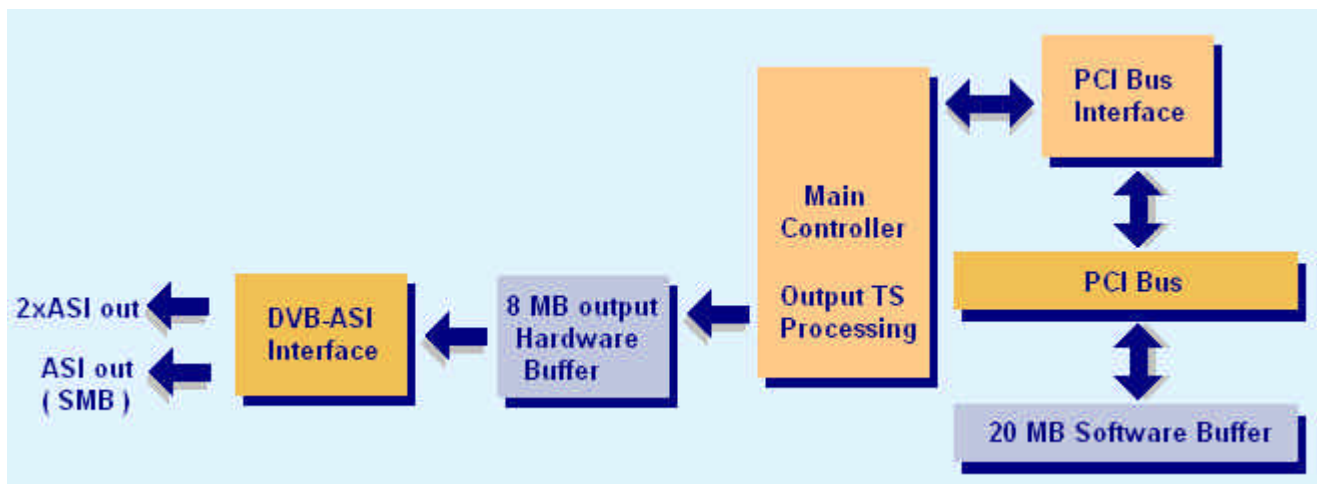
1 GENERAL DESCRIPTION

A member of Alitronika's state of art digital video interfacing products.

The AT30XPCI is a PCI based interface device suitable for Playing and Analyzing of DVB-ASI Transport Streams. .

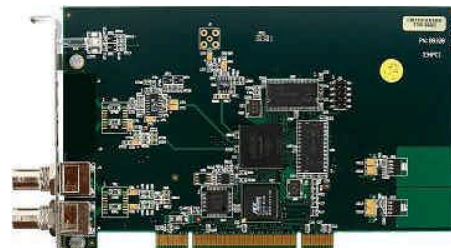
2 BLOCK DIAGRAM

FIG4 illustrates the block diagram of the AT30XPCI device. The device communicates with the PC via the PCI interface device. The MPEG-II transport streams enter the device via the USB interface device. The AT30XPCI then transmits the transport streams according to the settings provided by the application software. The data is 8b/10b encoded for DVB-ASI signals before it is serialized and transmitted via the BNC output connectors.



3 EXTERNAL INTERFACES

The external interfaces for the AT30XPCI are shown. There are two BNC connectors for the Serial, DVB-ASI, outputs as well as a SMB connector for DVB-ASI internal connection to another board inside the PC.



The LED in the back of the unit function as follows:

OFF = Power is off/ device not activated

Flashing (Red) = Play not activated – Error condition

ON (Green) = Normal operational condition

This LED indicates that the output section has valid TS (normal operating conditions).

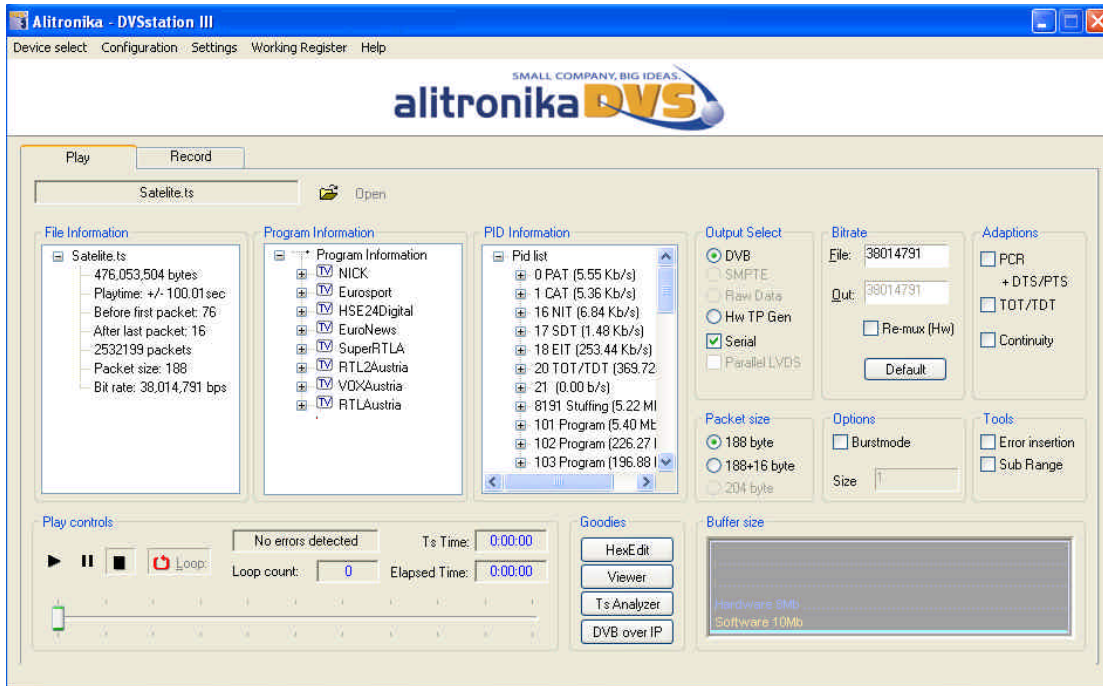
4 APPLICATION

Targeted for digital video professionals, sophisticated end users and OEMs the AT30XPCI is an ideal solution for a number of applications such as, development tools, universal interface for MPEG-II Transport Stream Playing, video on demand server, transport stream test generator, high speed serial data link, software based MPEGII decoders & encoders and many other applications.

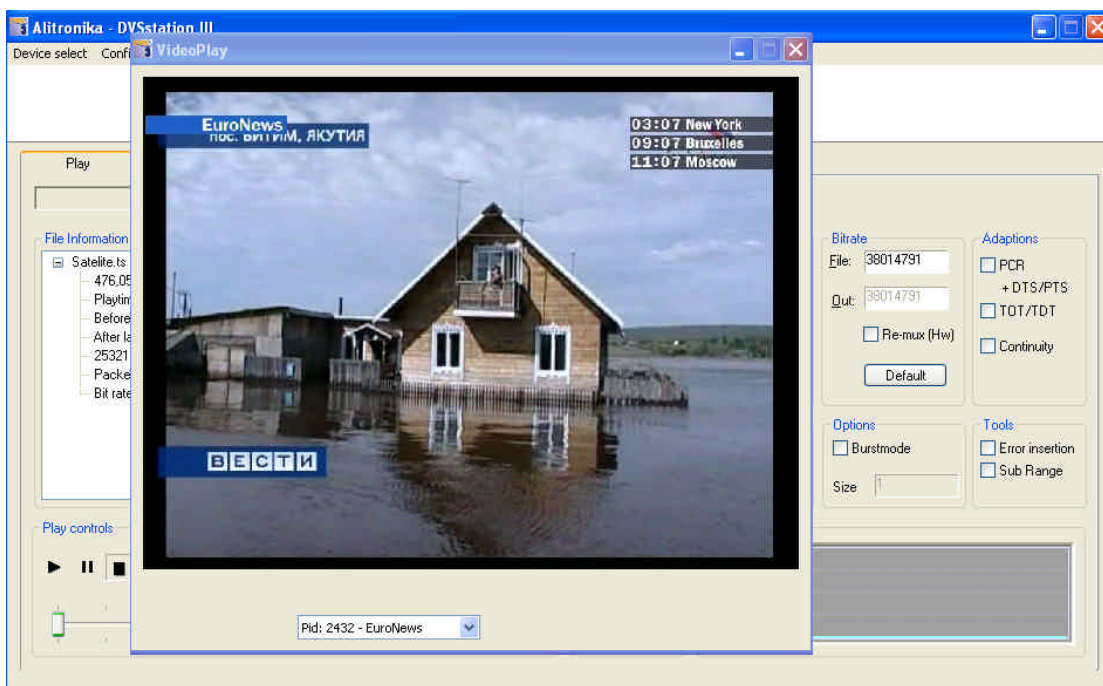
5 Software Application, DVStation3

5.1 - DVStation3: All of Alitronika devices are supported by DVStation3, Alitronika's **FREE** Transport Stream Player, Recorder, Analyser & converter application software. Please refer to DVStation3 specification and User Manual on our website for more information about DVStation3. Even better please download it from our website & try it out. It works in DEMO mode without any Alitronika devices.

Play Screen



Video Viewer



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