

networks

Digital Video Interfacing Products

AT78XUSB

DVB-T2/T/C Receiver, Recorder
DVB-T2/T/C Input
No External Power supply needed



Standard Features

- **Multi-standard DVB-T2/T/C Receiver, Recorder & Converter.**
- High Speed **USB 2.0**
- **Windows XP, Vista, Windows 7 (64bit) Drivers and SDK.**
- Accompanied by DVStation3 Alitronika's Application Software.

Input

- DVB-T2/T/C Compliant COFDM Reception.
- Input Frequency Range:
 - - High Band: 434.0 MHz to 858.0 MHz.
 - - Mid Band: 149.5 MHz to 426.0 MHz.
 - - Low Band: 50.5 MHz to 142.5 MHz.
- Modulation Modes: DVB-T/T2: QPSK, 16QAM, 64QAM
- Modulation Modes: DVB-C: 64QAM, 128QAM, 256QAM
- Guard Interval: DVB-T/T2: 1/4, 1/8, 1/16, 1/32
- Supports hierarchical & non-hierarchical modes.
- Supports 188, 204 Transport Packet Sizes.

Output

- DVB-ASI According to Standard **A1010 Rev1** and **En50083**

Application

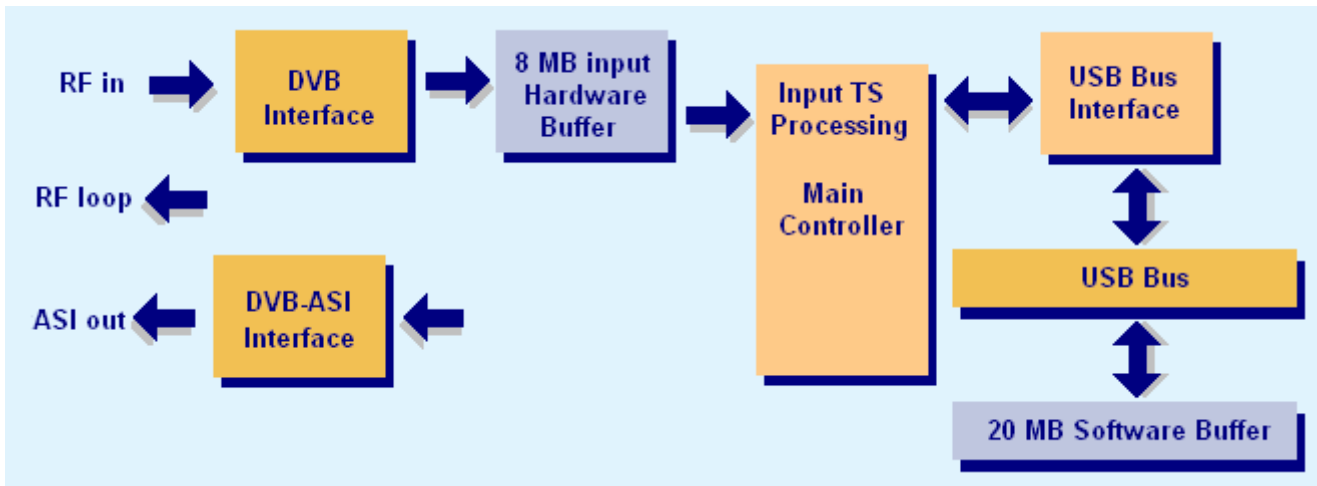
Targeted for Digital Video Professionals, Sophisticated End Users and OEMs the AT78XUSB is an ideal solution for a number of applications such as:

- Development Tools.
- DVB to IP Gateway.
- DVB-T to DVB-ASI Conversion.
- MPEG-II Transport Stream Recording, Monitoring & Processing.
- Software Based MPEGII Decoders.

Specification

- On Board Buffer: 8 Mbytes
- RF Tuner Connector: 75 Ohms IEC female Type
- Loop Through Connector: 75 Ohms IEC male Type.
- Input Frequency Range:
 - High Band: 434.0 MHz to 858.0 MHz.
 - Mid Band: 149.5 MHz to 426.0 MHz.
 - Low Band: 50.5 MHz to 142.5 MHz.
- Channel Bandwidth: 6, 7 & 8 MHz.
- RF Sensitivity: -80dBm.
- COFDM Spectrum: 2k and 8k carriers non-hierarchical and hierarchical.
- Standards: DVB-T2, DVB-T, DVB-C compliant.
- Modulation Modes: DVB-T/T2: QPSK, 16QAM, 64QAM
- Modulation Modes: DVB-C: 64QAM, 128QAM, 256QAM
- Guard Interval Modes: 1/4, 1/8, 1/16, 1/32.
- DVB-ASI Connector: 75 Ohms BNC.
- Output Signal level: 1.0Vp-p nominal.
- Bit Rate Stability: +/- 25ppm.
- DVB-ASI Output Clock: 270 MHz.

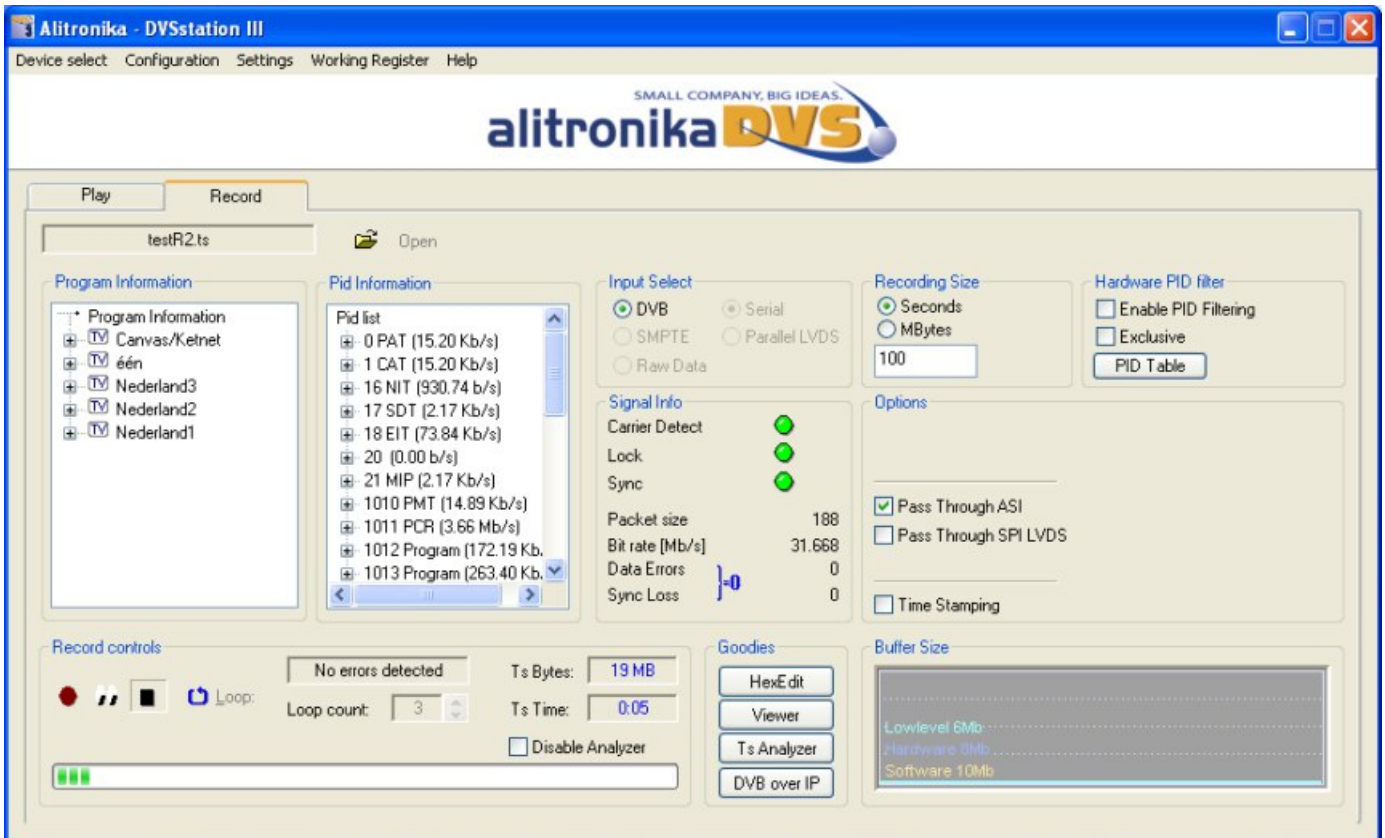
BLOCK DIAGRAM



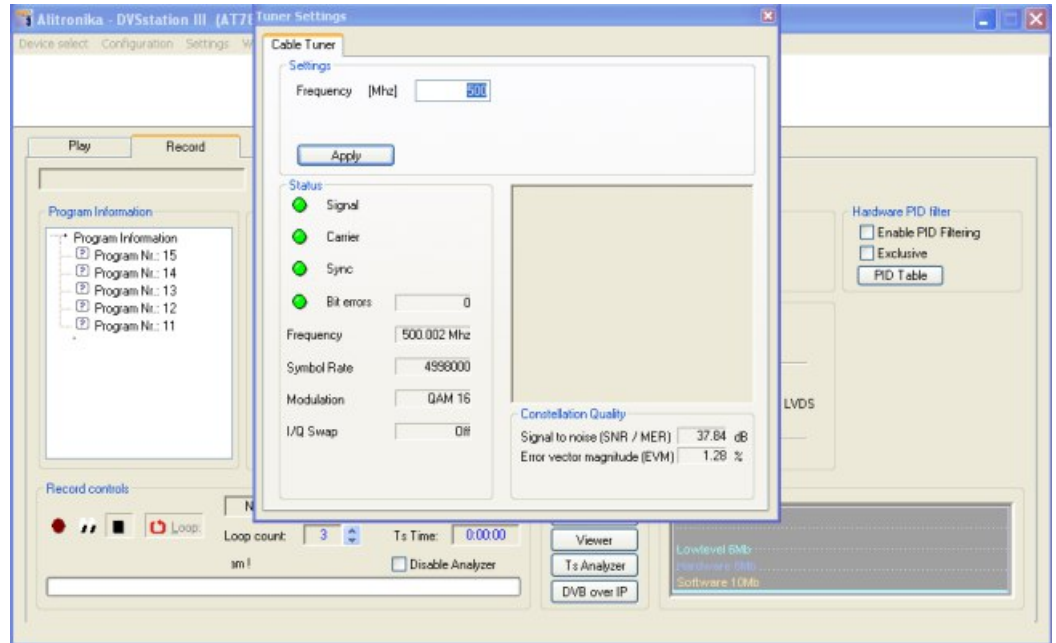
APPLICATION SOFTWARE

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.

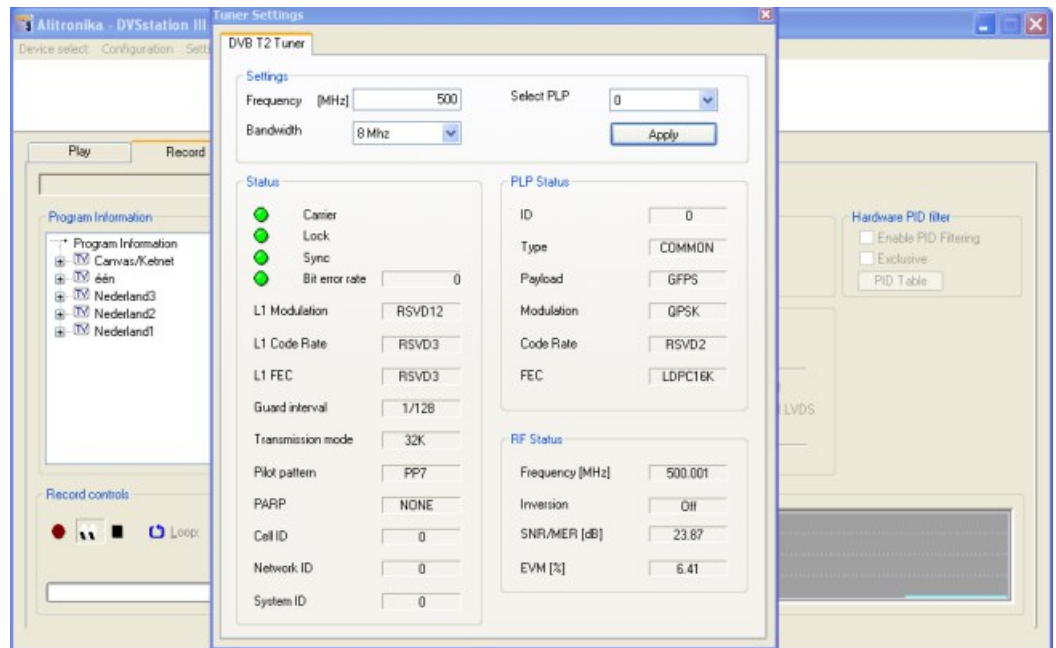
Record Screen



DVB-T TunerSettings



DVB-T2 TunerSettings



DVB-C TunerSettings

