

## *DVB-T Receiver, TS Receiver, Recorder, DVB-T to DVB-ASI/SPI Converter & DVB-ASI/SPI Player*

### Standard Features:

- Combined DVB-T Input and DVB-ASI/SPI Output Device.
- High Speed USB 2.0
- Windows 2000 & XP Drivers and BDA / Direct Show Drivers & API.
- Accompanied by DVStation2 Alitronika's Application Software.

### Input

- DVB-T Compliant COFDM Reception.
- Input Frequency Range:
  - UHF: 470 MHz to 862 MHz.
  - VHF: 174 MHz to 230 MHz.
- Modulation Modes: QPSK, 16QAM, 64QAM.
- COFDM Spectrum: DVB-T and DTG compliant.
- Supports 188, 204 Transport Packet Sizes.

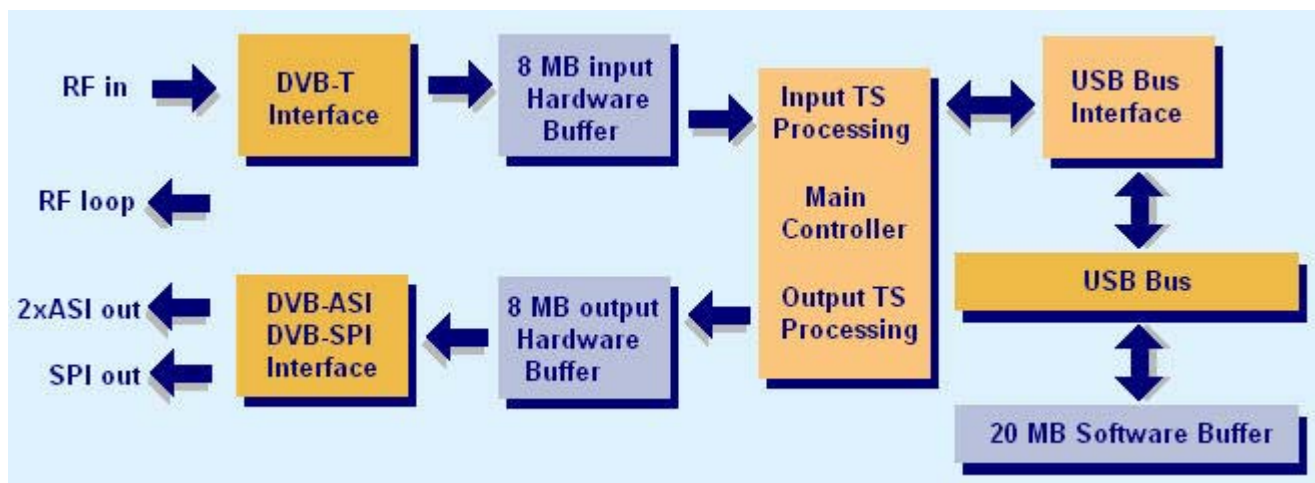
### Output

- RF Loop Through Output.
- Simultaneous two Serial ( ASI ) and one Parallel ( SPI ) Outputs.
- Supports DVB According to Standard A1010 Rev1 and EN50083.

alitronika **DVS**



### Block Diagram:



# AT800USB

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### Applications:

Targeted for Digital Video Professionals, Sophisticated End Users and OEMs

The AT800USB is an ideal solution for a number of applications such as:

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

### Specifications:

- On Board Buffer: 16 Mbytes
- RF Tuner Connector: 75 Ohms IEC female Type
- Loop Through Connector: 75 Ohms IEC male Type.
- Input Frequency Range:
- UHF: 470 MHz to 862 MHz.
- VHF: 174 MHz to 230 MHz.
- Channel Bandwidth: 6, 7 & 8 MHz.
- Channel Assignment: C.C.I.R Channel and +/- 166.666KHz offset.
- COFDM Spectrum: 2k and 8k carriers non-hierarchical and hierarchical.
- Standards: DVB-T and DTG compliant.
- Modulation Modes: QPSK, 16QAM and 64QAM.
- Guard Interval Modes: 1/32, 1/16, 1/8 and 1/4 active symbol duration.
- DVB-ASI Connector: 75 Ohms BNC.
- Output Signal level: 1.0Vp-p nominal.
- DVB-SPI Connector: 25-pin sub-D.
- DVB-ASI Output Bit Rate: 0 to 214 Mbit/s.
- DVB-SPI Output Bit Rate: 0 to 108 Mbit/s.
- DVB-ASI Output Clock: 270 MHz.
- DVB-SPI Output Clock: 0 to 13.5 MHz.
- DVB-SPI Output Level: LVDS.



*Connections to AT800USB*