

## *DVB-T (Terrestrial ) Receiver, TS Recorder with DVB-CT to DVB-ASI Converter Function*



### Standard Features:

- Combined DVB-T Input and DVB-ASI 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

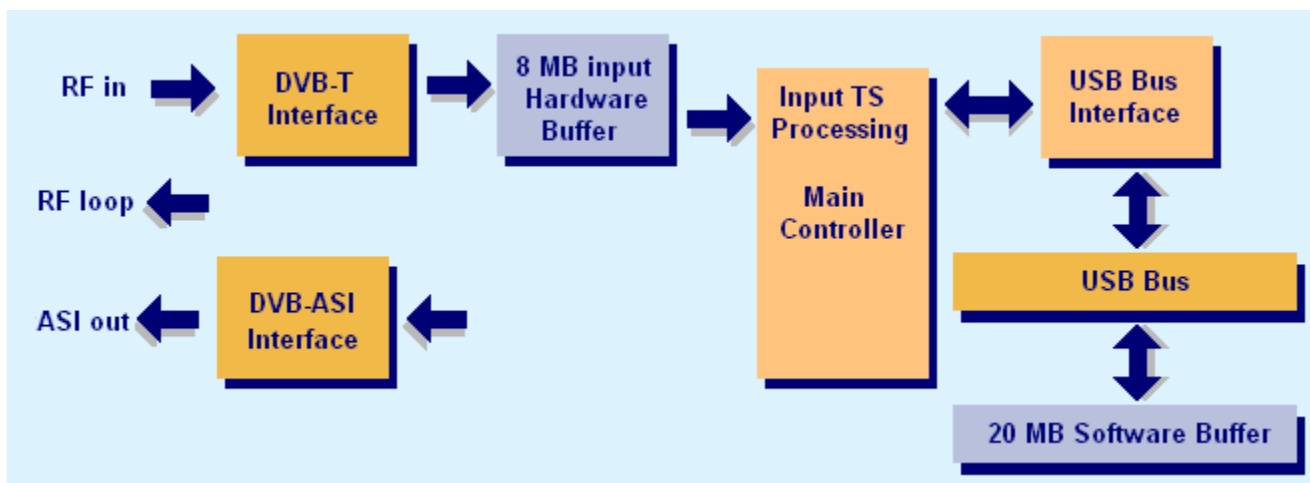
- DVB-T Compliant COFDM Reception.
- Input Frequency Range:
- UHF: 470 MHz to 862 MHz.
- VHF: 174 MHz to 230 MHz.
- Modulation Modes: QPSK, 16QAM, 64QAM.
- COFDM Spectrum: DVB-T and DTG compliant.
- Supports 188, 204 Transport Packet Sizes.

### Output

- DVB-ASI According to Standard A1010 Rev1 and EN50083.



### Block Diagram:





# AT80XUSB

## *DVB-T (Terrestrial ) Receiver, TS Recorder with DVB-CT to DVB-ASI Converter Function*

### Applications:

Targeted for Digital Video Professionals, Sophisticated End Users and OEMs

The AT80XUSB 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.

### Specifications:

- On Board Buffer: 8 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.
- Bit Rate Stability: +/- 25ppm.
- DVB-ASI Output Clock: 270 MHz.



*Connections to AT80XUSB*

IP Solutions Ltd. [www.ip-solutions-ltd.com](http://www.ip-solutions-ltd.com)

Tel: +852 2850 8383 Fax: +852 2850 8182 E-mail: [sales@ip-solutions-ltd.com](mailto:sales@ip-solutions-ltd.com)

Rm1704, Lucky Commercial Centre, 103 Des Voeux Road West, Sheung Wan, Hong Kong