



# Wave DVB-T USB PVR

## External HYBRID Tuner and MPEG Video Capture Device for MCE

### Product Overview

Wave DVB-T USB PVR is an external Hybrid TV tuner solution for Windows Media Center Edition. Wave DVB-T supports analog TV (PAL/SECAM), digital broadcast TV (DVB-T) as well as baseband AV inputs.

Wave features a high quality hardware MPEG encoder which offers 3D noise reduction and efficient MPEG-2 encoding.

The Wave driver will support multiple units connected to a single PC for dual tuner operation under Microsoft's Windows MCE Vista application.

### I/O

- RF Video Input via a single "IEC-female" connector.
- S-Video mini-DIN connector (baseband video).
- Composite Video RCA connector (baseband video).
- Dual RCA stereo audio connectors (baseband audio)
- Single USB connector (separate USB cable)



### General Feature Set

- Supports Analog broadcast TV (PAL or SECAM)
- Hardware-based MPEG-2 Encoding
- Stereo audio decoding (48kHz)
- Video quality enhancements, including 3D noise reduction
- Full 10-bit D-1 capture in PAL / SECAM
- DVD formatted recording
- USB 2.0
- Bus Powered (requires 750mA across the bus)  
(Can be powered from external supply)

### Power

- The unit is powered from the USB bus and draws
- 5.0V at 735mA

### Thermal

Operating Temperature: 0 to 55 degrees C ambient [5-85% relative humidity]

### Dimension

5.0 inch x 3.7 inch

### MPEG Encoder

- MPEG-2 format
- VBR from 2 Mbps to 15 Mbps for MPEG-2
- PAL or SECAM video formats
- Programmable 3-D filter
- Auto 3:2 pull down detection
- VBI extraction
- DVD, iPOD, PSP formats available

### Driver

The Encoder chip microcode is downloaded over the USB bus so that the unit can be upgraded in the field. The driver works under MCE (Windows XP & Vista).

The drivers are WDM/BDA compliant and can be integrated with a variety of 3<sup>rd</sup> party applications.

### Tests and Certificates:

- FCC/CE/VCCI Class B
- Hardware reliability testing
- WHQL