

VBI - Recorder

TARA Systems

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Test tool for real time recording of Vertical Blanking Interval (VBI) data

Teletext (TTX), Electronic Programme Guide (EPG), Wide Screen Signalling (WSS), Video Programming System (VPS) and Program Delivery Control (PDC) are some of the various data services, sent within the vertical blanking interval (VBI) of analogue television broadcast. The real time recording of that data is an important condition for developers of TV Sets and for TV broadcasters to test and ensure the quality of their products and services.

For many years TARA Systems' VBI recording and analysing tool REC5275 has been used successfully by TV broadcasters and CE manufacturers worldwide and can be seen as a kind of standard for analysing VBI data. Because of the continuing important analogue TV market and customers' demands TARA Systems offers a portable, easy-to-use successor of the REC5275 called VBI-Recorder. The VBI-Recorder consists of the VBI Data Receiver hardware and the VBI-Recorder software.

Technical Details

VBI-Recorder software features:

- Real time recording of all data within the vertical blanking interval (VBI): TTX, VPS, WSS, CC
- Filtering of EPG services: NexTVView and proprietary services (e.g. tvtv analog, European Gemstar) based on Teletext transmission layer
- Detailed views for PDC (packet8/30 format 1 and 2), VPS, WSS and CC
- Batch mode for scheduled recording
- Windows based GUI (Win98, Win ME, Win2000, WinXP)

- Compatible with GEDITOR and GEDITOR+, the VBI editing and insertion tool from TARA Systems.

VBI Data Receiver features (hardware)

- Small, lightweight case; tailor-made for portable use in the field.
- Length: 113mm, Width: 59mm, Height: 27mm, Weight: 205g (incl. USB cable).
- USB-interface for easy connection with notebooks and desktop PCs (USB 1.1/2.0). No ext. power supply necessary.
- Multi-standard TV Tuner (PAL/SECAM) on board - No TV set necessary.
- CVBS in (for bypass internal tuner)



Fig. 1: The VBI Data Receiver

DiVi Tools for DVB Test

- For testing purpose within the DVB environment, TARA Systems offers the DiVi Tools. The DiVi tool chain enables the creating, modification and play out of test data within DVB transport streams, in order to verify data dependant applications, like Teletext, EPG or DVB-Subtitling. Recording software, similar to the VBI-Recorder, is currently in planning.

„Excellence in Embedded CE Software“

TARA Systems, Gmunder Str. 53, 81379 Munich, Germany
www.tara-systems.de, Phone: +49 89 74 71 21 -0

