

Mobile DVB-T Turnkey Solution

TARA Systems



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TARA Systems offers DVB-T stack with EPG, Teletext and intelligent, automatic cell handover for a wide range of mobile devices.

The importance of European DVB-T is rapidly growing. With constantly increased availability and number of provided services, the cost-free TV broadcast is gaining attractiveness for a large number of consumers. And, the latest generation of chip platforms, tuners and antennas enables DVB-T integration into ever smaller devices, e.g. as valuable enhancement of navigation systems, mobile phones and car entertainment systems. But besides the hardware, devices manufacturers have to deal with many complex software issues: the different DVB-T specialities across Europe, handling the varying broadcast frequencies (cell handover), popular features like EPG, Teletext, DVB-Subtitling, but also consumer's demand for state of the art user experience and GUI design.

TARA Systems has been developing tools and embedded software for TV reception devices for over ten years and now offers a flexible, easy-to-customize and highly tested DVB-T turnkey solution, which solves all these complex issues. TARA's DVB-T software stack is based on market-proven components and a powerful GUI customization approach, deployed in millions of TV sets, STBs and mobile devices worldwide.

In cooperation with DiBcom, TARA presents its DVB-T software on occasion of the IBC 2008 with DiBcom's tuner. The software is running on SirF Titan chipset and is prepared for SirF Prima.

Software Architecture

The Service Manager is the central component for DVB-T reception, GPS-based cell handover and management of channels and services such as EPG, Teletext, and Subtitles. To achieve a very fast user experience, all kinds of data are stored in an optimized In-RAM database. An easy-to-customize GUI application with touch screen support completes the highly portable software stack.

Features & Benefits

- Free-to-air DVB-T solution on SirF Titan with DiBcom tuner.
- Intelligent, self-learning DVB-T cell handover
- EPG: Scalable from Now-&-Next up to 7 days based on DVB-SI data
- Teletext: Level 1.5 or 2.5 incl. own TrueType font for optimized display quality.
- DVB-Subtitle decoder included
- GUI: Easy-to-customize based on TARA's GUI tool "Embedded Wizard"
- Stability: Highly tested with life TV reception across Europe and with TARA's own DVB test tools and streams.



GUI optimized for small touch screen displays.



The Electronic Programme Guide (EPG).

Further information: www.tara-systems.de

„Excellence in Embedded CE Software“

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