

Mobilution DVB-T Turnkey Solution

TARA Systems

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DVB-T stack with EPG, Teletext, intelligent automatic DVB-T cell handover and easy-to-customize GUI 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 digital TV reception for over ten years and now offers the flexible, easy-to-customize and highly tested "Mobilution DVB-T" turnkey solution, which solves all these complex issues. Mobilution DVB-T is based on market-proven DVB components and a powerful GUI customization approach, deployed in millions of TV sets, STBs and mobile devices worldwide.

Currently, TARA's "Mobilution DVB-T" turnkey solution is used in several portable navigation devices, like VDO Dayton PN4000/6000, Blaupunkt TP-700 and mio Moov Spirit V505TV & V735TV.

Software Architecture

Mobilution DVB-T is based on the integrated Inaris DVB solution, which enables DVB-T reception, GPS-based cell handover and manages services like EPG, Teletext, and DVB Subtitles. An easy-to-customize GUI application with touch screen support completes the highly portable software stack.

Features & Benefits

- Free-to-air DVB-T solution including service scan, management and reception.
- Intelligent, self-learning DVB-T cell handover
- EPG: Scalable from Now-&-Next up to 7 days based on DVB-SI data
- Teletext: Level 1.5/2.5 incl. own TrueType font for optimized readability and display quality.
- DVB-Subtitle decoder included
- GUI: optimized for small touch screen displays and easy-to-customize with TARA's GUI tool "Embedded Wizard"
- Stability: Highly tested with life TV reception across Europe and with TARA's own test streams and DiVi Tools for DVB test.



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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