

TVolution Turnkey Solution DVB & PVR

TARA Systems

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TARA's TVolution DVB & PVR Turnkey solution provides a solid and stable framework for product development and R&D projects: flexibly extendible, highly portable to a wide range of product platforms and easy-to-customize.

The ongoing convergence of consumer electronics devices, PC and mobile applications rapidly increases the feature range and thus the complexity of software development and maintenance. Especially during R&D or in early stages of product development, a solid, ready-to-use DVB application framework helps to reduce the efforts enormously and to win customers faster with showcases and proof-of-concepts.

TARA's TVolution DVB/PVR is a turnkey solution for DVB reception and personal video recording. It offers the flexibility for customer specific extensions and easy graphical user interface customizations, but also the quality and maturity, which is required as basis for an actual product development. Today the TVolution Turnkey is used for various customer R&D projects, but also deployed in the market as TVolutionX branded for company Moeller.

Architecture and Features

TVolution DVB/PVR is based on the integrated Inaris DVB/PVR solution, which enables DVB reception and service management, personal video recording and archive management. An easy-to-customize GUI application completes the highly portable solution.

- DVB reception and Personal Video Recording (PVR) with easy-to-use, customizable GUI.
- Support of DVB-T/-C/-S. Extendible for hybrid DVB & IP environments.
- Access to web content via special GUI widgets
- GUI and widgets easily customizable with TARA's GUI technology "Embedded Wizard".
- Based on TARA's "Inaris DVB PVR" solution with extended 7-days EPG, Teletext Level 1.2 or 2.5 and DVB-Subtitling.
- PVR with e.g. recording from EPG, time-shift and archive management.

- Stability: Extensively tested with live DVB-T receptions in Europe and with TARA's DiVi Tools and DVB test streams.
- Flexible & Extendible: prepared HTML Browser integration, e.g. Opera, WebKit, Mozilla. Prepared for embedded CA for service decryption (e.g. Conax) and UPnP.

Application Examples

- Connected TV: Access to web content like twitter, Flickr, RSS news feeds or weather comfortably with TV set and remote control.
- Hybrid DVB & IP: Broadcasted content seamlessly integrated with additional meta information, delivered via IP networks.
- eHome: Control for electronic devices at home, e.g. lights, temperature sensors or motion detectors, integrated into the familiar TV environment. In the market since 2008.
- Smart Metering: Energy consumption at home made more transparent by showing live measurements within the familiar TV set.

For further information: www.tara-systems.de



Integration of web content, e.g. from twitter or RSS news feeds, into the familiar TV experience is just one of the many use cases of the TVolution Turnkey Solution.

„Excellence in Embedded CE Software“

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