

Ixonos releases digital TV reception for its Linux-based mobile platform

Ixonos has developed a television reception solution for its mobile platform. The solution enables reception of, among others, DVB-T and DVB-H transmissions and can also repeat them over a local area network. The video player used for TV reception is also the multimedia player for the entire platform. It is based on the open source MPlayer.

"Mobile TV is booming. Its global user base is estimated to reach half a billion within a few years. The standardization of transmission formats accelerates development. As an example in Europe mobile TV is being boosted by the Commission's resolution to select the DVB-H format as a pan-European standard. This decision encourages both the development of new hardware generations and mobile distribution of TV broadcasts to the wide European market. We have been among the first to bring DVB-H reception to a Linux-based smartphone", explains Tomi Kyllönen, Business Unit Director.

The architecture of the solution enables technology-independent reception that supports a variety of receivers and program sources. For example when leaving the coverage area of a mobile TV network, viewing can continue using another receiver and program source. Broadcasts received can be simultaneously fed to multiple functions such as viewing, recording or retransmission. Data is transferred over IPv6 and IPv4 multicast which support flexible hardware architecture solutions. The latest H.264 and AAC technologies are used as video and audio codecs.

The reception technology is built on a software platform that Ixonos previously created for the development of smartphone and mobile PC products. The platform is based on the Linux operating system and on open source tools and components. Its integrated basic functions include, among others, telephone features, a touch screen, and a web browser. The objective has been to develop an intuitive, maximally user-friendly, easily customizable user interface.

"The solution enables the launch of more and more versatile devices onto the smartphone and mobile PC markets. Ixonos' software platform, open source components, and related product development services help manufacturers create novel mobile services of interest to large consumer audiences. This can now be done in a shorter time than previously but still without compromising the quality of product development", says Kyllönen.

"Our new solution helps our manufacturer customers improve their competitiveness, optimize their R&D investments, control their product development risks and produce the advanced mobile services that consumers expect", Kyllönen concludes.

Additional information

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Ixonos and Open Source

Ixonos has chosen open source code as one of the strategic technology platforms for the production of services covering the entire life cycle of software. The communal character of open source code boosts the number of potential developers of devices, subscriber connections and services, and thus speeds up the development and adoption of new features. By utilizing open source code we can offer the customers more efficient tools for managing the risks of product development and improving competitiveness, as well as cost-efficient flexibility for changing business needs. Acting in the Open Source development community is for Ixonos part of the company's strategic skills development, and provides a communication channel to communities developing open source code and to customers utilizing it.

Ixonos Plc operates in the information and communication technology service markets producing customer specific technology consulting, project management and software production services for advancing competitiveness and risk management. Ixonos's clientele comprises leading mobile and smartphone manufacturers, mobile network suppliers and telecom operators operating on the global markets as well as Finnish finance, industrial and service companies and public administration organizations. Ixonos has more than 900 employees in Finland, Estonia, Slovakia and Germany. Ixonos Plc is listed on OMX Nordic Exchange in Helsinki. The company's turnover in 2007 was 59.2 million euros and operating profit was 4.7 million euros. We are recognized for our customer orientation and responsible attitude.