

Press Release

Erlangen/Germany,
September 3, 2009

Test the Fraunhofer ContentServer R5 at the booth of Fraunhofer IIS at IFA Tec-Watch in hall 5.3 (Berlin) and at IBC in hall 8, booth C81 (Amsterdam)

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* Fraunhofer USA Digital Media Technologies, a division of Fraunhofer USA, Inc., promotes and supports the products of Fraunhofer IIS in the U.S.

From studio to air in a couple of mouse-clicks:

Version 5 Fraunhofer DRM and DAB ContentServer family now available

Germany-based audio research & development organization Fraunhofer IIS has announced the immediate availability of a new edition of its acclaimed ContentServer family. The introduction of Version 5 will bring significant new functionality to broadcast users around the world.

A major evolution from the previous edition, ContentServer family Version 5 enables radio stations to bring all program content to air quickly, easily and efficiently in a couple of mouse-clicks. In addition, the new version integrates all functionality on the sender side – from the processing of audio and multimedia raw data to multiplex output – for the first time.

Supporting a wealth of international broadcasting standards (DAB, DAB+, DMB and DRM including DRM+), the Fraunhofer ContentServer family is an increasingly popular choice for broadcasters worldwide. Now, with the introduction of a new version that makes it even easier to configure radio programs for transmission, ContentServer is set to enjoy even more widespread industry adoption.

Real-time audio coding with MPEG Surround support, the incorporation of standardized data services (for example, EPG, Journaline and Slideshow) and all multiplex signalling options are just a few examples of the versatility afforded by the ContentServer family.

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Version 5 of the ContentServer family enhances an already extensive specification with the following new features:

- Integration of the latest standard extension for Digital Radio Mondiale (DRM+) for broadcasting digital radio programs in the VHF frequency domain. At IFA and IBC, Fraunhofer IIS and partners will present the Fraunhofer DRM ContentServer R5 as part of a DRM+ live broadcasting chain with 5.1 Surround sound and the Journaline text information service.
- Realization of a full DAB ensemble multiplex with audio programs, data services and signalling information. In addition to the audio coding of DAB Layer 2 and DAB+ programs, Fraunhofer DAB ContentServer R5 supports real-time encoding of DMB radio programs. For device manufacturers, Fraunhofer IIS offers the “Developer Edition”. This special package enables the fast, effective development and testing of new radio devices and receiver chip sets.

All members of the Content Server R5 family now feature live monitoring of transmitted audio and multimedia content, as well as generation of file recordings of the program (multiplex signal) and single data channels. Real-time audio signals can now be fed into the ContentServer as digital or analog signals, and in the Livewire format, which enables the smooth integration of the ContentServer into a modern IP-based studio infrastructure.

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For a comprehensive ContentServer feature list, please visit
www.iis.fraunhofer.de/broadcast.

About Fraunhofer IIS

Founded in 1985 the Fraunhofer Institute for Integrated Circuits IIS in Erlangen, today with 650 staff members, ranks first among the Fraunhofer Institutes concerning headcount and revenues. As the inventor of mp3 and co-inventor of the MPEG 4 AAC audio coding standard, Fraunhofer IIS has reached worldwide recognition.

It provides research services on contract basis and technology licensing.

The research topics are: Audio and video source coding, multimedia realtime systems, digital radio broadcasting and digital cinema systems, integrated circuits and sensor systems, design automation, wireless, wired and optical networks, localization and navigation, imaging systems and nanofocus X-ray technology, high-speed cameras, medical sensor solutions and communications technology in transport and logistics.

The budget of 80 million Euro is mainly financed by projects from industry, the service sector and public authorities. Less than 25 percent of the budget is subsidized by federal and state funds.

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