



**Motama GmbH**

**Fraunhofer**  
Institut  
Digitale  
Medientechnologie

# Press Release

**Ilmenau,  
October 16, 2006**

## Multimedia-Box with Extra Features

Prototype of IDMT and Motama presented at e/home trade show in Berlin

*The Multimedia-Box combines CD/DVD player, TV/radio receiver and networked home-server controlling in one device. For the first time, metadata technologies, developed by Fraunhofer IDMT, have been integrated in the application. The result is a home entertainment gadget that assists the users with smart features.*

In contrast to text-based search engines, multimedia data retrieval requires specialized search methods due to the non-explicit availability of relevant information.

Text based online search engines are already very popular. But the query for multimedia data is still a problem. Search engines like Google or Altavista are capable to find pictures or audio files, indeed, but only on the basis of given filenames or subjective keywords.

The Fraunhofer researchers carry out development of technologies and applicable solutions for automated content based recognition, characterization and processing of multimedia data.

These extracted semantic information allow to provide users with new and more adequate search functionalities. For example, text-based queries can be complemented with content-based queries in order to find content in a more intuitive way.

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At the e/home show, taking place in Berlin from October 18 till October 20, these innovative technologies will be presented as a part of the "Multimedia-Box", developed by Motama. The device is capable to perform an intelligent multimedia administration. Among other features, the box is able to find similar content in data archives and compiles harmonized playlists for every occasion. Future plans include the enhancement as a smart hard-disc recorder that anticipates the users' favorites and stores the appropriate content automatically.

The Multimedia-Box software is based on the "Network-Integrated Multimedia Middleware" (NMM), developed by Motama and Saarland University. It provides an integrated and extensible software solution for a networked Multimedia Home-Entertainment Center. The hardware core consists of a Linux-driven Barebone-PC.



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## **Fraunhofer Institute for Digital Media Technology IDMT**

*The Fraunhofer Institute for Digital Media Technology IDMT was founded in January 2004 as the 58th Fraunhofer Institute in Germany. More than 50 employees and 70 students are working on several scientific projects and in different fields of research at the IDMT. The institute is managed by Professor Karlheinz Brandenburg.*

*The research of the institute focuses on the development of new media technologies for professional markets as well as for the home entertainment sector. Foremost the development of the revolutionary IOSONO Wave Field Synthesis by Fraunhofer IDMT makes it possible to design state of the art sound reproduction systems.*

*Other emphases are the development technologies for metadata retrieval and processing, solutions for medical audio technologies and for digital learning and training environments. Furthermore the researchers create innovative business models for secure content distribution of digital content via the Internet.*

*The Fraunhofer Institute in Ilmenau realizes its innovative scientific results through applicable solutions which come up to the customer requirements. This is made possible by the close cooperation with partners in economy and science.*

## **Motama GmbH**

*The company Motama develops innovative multimedia applications for PCs and embedded systems, such as set-top boxes, PDAs, or mobile phones. The main focus lies on solutions based on the Network-Integrated Multimedia Middleware (NMM), a software architecture that allows to transparently connect and control all devices available in the network. Motama was founded in 2005 as spin-off from Saarland University, Germany. The company offers licensing of NMM technology and engineering services for developing products in the areas of home entertainment, building and security technologies, and telecommunication.*

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