



**Fraunhofer** Institut  
Integrierte Schaltungen

# Press Release

Erlangen,  
April 20, 2006

## Fraunhofer IIS is licensing MPEG-4 audio codecs to Comrex

**Comrex, a manufacturer of professional broadcasting equipment, is licensing Fraunhofer IIS implementations of two of the most efficient audio compression technologies standardized in MPEG-4. Comrex is integrating this technology into its studio codec "Access" in order to deliver high quality audio over the Internet at very low data rates and with low delay.**

Fraunhofer's High Efficiency Advanced Audio Coding v2 (MPEG-4 HE-AAC v2) also selected by organizations like 3GPP for audio delivery to mobile phones, provides high audio quality for applications demanding lowest data rates. MPEG-4 Low Delay Advanced Audio Coding (MPEG-4 AAC-LD), mainly developed by the audio coding specialists at Fraunhofer IIS, features a low encoding/decoding delay at low data rates while providing best music and speech quality.

### **Fraunhofer Institute for Integrated Circuits IIS**

Am Wolfsmantel 33  
91058 Erlangen, Germany

**Director**  
Prof. Dr.-Ing. Heinz Gerhäuser

**Contact**  
Stefan Geyersberger  
Phone +49 (0) 91 31/7 76-3 16  
Fax +49 (0) 91 31/7 76-3 98  
amm\_info@iis.fraunhofer.de

**Public Relations**  
Martina Spengler  
Phone +49 (0) 91 31/7 76-1 30  
Hilmar Fütterer  
Phone +49 (0) 91 31/7 76-16 36  
Fax +49 (0) 91 31/7 76-1 39  
presse@iis.fraunhofer.de  
www.iis.fraunhofer.de

Harald Popp, head of the Multimedia Realtime Systems department at Fraunhofer IIS, says: "These two MPEG-4 audio codecs are a perfect cornerstone for any professional broadcast application and we are glad to see Comrex include them in their studio and portable Access Codec System."

The Access studio codec is designed to deliver audio over IP networks in real time. Kris Bobo, Vice President of Development at Comrex, states: "Adding the AAC MPEG-4 algorithms extends the flexibility of the Access product. Customers with managed networks will especially enjoy the

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benefits of the MPEG-4 audio codecs. We are extremely happy to again be working with Fraunhofer on this project, as development is far less stressful when working with such a responsive company.”

Founded in 1985 the Fraunhofer Institute for Integrated Circuits IIS in Erlangen, today with 450 staff members, ranks first among the Fraunhofer Institutes concerning headcount and revenues. With the development of the audio coding method MP3, 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 52 million Euro is mainly financed by projects from industry, the service sector and public authorities. Less than 20 percent of the budget is subsidized by federal and state funds.

Since 1961, Comrex Corporation has been the leading innovator of broadcast solutions for telephony and remote broadcast. A privately-held, employee-owned company, Comrex manufactures a variety of products including IP, Wireless, POTS, GSM and ISDN Codecs, telephone hybrids, frequency extenders and wireless IFB systems, which are used in broadcast facilities throughout the world.

For more information on the new ACCESS codec, contact Comrex Corporation: +1-978-784-1776, e-mail [info@comrex.com](mailto:info@comrex.com) or on the web at: [www.comrex.com](http://www.comrex.com)

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Martina Spengler  
Phone +49 (0) 91 31/7 76-1 30  
Hilmar Fütterer  
Phone +49 (0) 91 31/7 76-16 36  
Fax +49 (0) 91 31/7 76-1 39  
[presse@iis.fraunhofer.de](mailto:presse@iis.fraunhofer.de)  
[www.iis.fraunhofer.de](http://www.iis.fraunhofer.de)



The Access Codec featuring MPEG-4 AAC-LD and MPEG-4 HE-AAC v2.