PRESS RELEASE

Fraunhofer IIS Unveils First Customer and Introduces Licensing Model for Lici®codec

Erlangen, Germany/Amsterdam NL, September 8, 2015 – IBC, hall 8, booth B.80: The Fraunhofer Institute for Integrated Circuits IIS at IBC demos the first product implementation of its light weight codec Lici®. Used within keyboard/video/mouse (KVM) solutions, the demo will be showcased with partners IHSE GmbH and Viscon GmbH as part of the new IBC Content Everywhere Technology in Action Theater. Fraunhofer IIS now introduces its licensing model for all suppliers and manufacturers of professional equipment including camera applications and Video over IP.

When it comes to the transmission of high-definition images, the available infrastructure and bandwidth cause a bottleneck. This occurs not only in the consumer sector, but even more in professional production and remote desktop applications. For example, the transmission of high-definition camera data and high frame rates up to 120 Hz is limited by conventional Ethernet or HD SDI transmission cables. The challenge is even higher when a color depth of 12 bits or higher for HDR monitors is required. Lici® overcomes this bottleneck by flexibly adapting image data streams to the available infrastructure and bandwidth while maintaining resolution and dynamic range.

"Lici® transmits data with as little loss as possible and with low compression rates of 1:2 to 1:6. It can be easily integrated into existing programmable devices and offer a cost-efficient solution for data transmission with low-latency and no frame drops", explains Wolfgang Heppner, head of group Systems and Devices at Fraunhofer IIS.

As part of the IBC Content Everywhere Technology in Action Programme, Fraunhofer IIS, IHSE and Viscon will showcase the integration of Lici® into KVM extenders to meet the requirements for transmission of 4K resolution and high frame rates in professional environments. The presentation will unveil the potential of Lici® in a virtual reality scenario, in which all the data has to be transferred and displayed with required 60 fps for smooth movements while the user interactively manipulates 3D bodies in the scenario.

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Editorial notes

The presentation, "Use of Mezzanine Image Compression for KVM Extenders and Video Transmission," will be held Friday, September 11, 15:00 in Hall 3, Booth 3.A19 Technology in Action Theatre.

More information available at www.dcinema.fraunhofer.de

The **Fraunhofer-Gesellschaft** is the leading organization for applied research in Europe. Its research activities are conducted by 66 institutes and research units at locations throughout Germany. The Fraunhofer-Gesellschaft employs a staff of nearly 24,000, who work with an annual research budget totaling more than 2 billion euros.

The **Fraunhofer Institute for Integrated Circuits IIS** is one of the world's leading application-oriented research institutions for microelectronic and IT system solutions and services. It ranks first among all Fraunhofer Institutes. With the creation of mp3 and the co-development of AAC, Fraunhofer IIS has reached worldwide recognition. In close cooperation with partners and clients the Institute provides research and development services in the following areas: Audio & Multimedia, Imaging Systems, Energy Management, IC Design and Design Automation, Communication Systems, Positioning, Medical Technology, Sensor Systems, Safety and Security Technology, Supply Chain Management and Non-destructive Testing. About 880 employees conduct contract research for industry, the service sector and public authorities. Founded in 1985 in Erlangen, Fraunhofer IIS has now 13 locations in 10 cities: Erlangen (headquarters), Nuremberg, Fürth, Dresden, further in Bamberg, Waischenfeld, Coburg, Würzburg, Ilmenau and Deggendorf. The budget of 120 million euros is mainly financed by projects. 23 percent of the budget is subsidized by federal and state funds.