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Press Release

March 23, 2007

Kinoton and DVC Presented Digital 3D Workshop at “Insight Out”

One of the many interesting issues at the “Insight Out” symposium of the renowned HFF Film and Television University "Konrad Wolf" Potsdam were the options and potentials offered by stereoscopic D-Cinema, emphasized by an impressive 3D presentation featuring a Kinoton DCP 70 L Digital Cinema Projector and a DVC ClipDisk 3D.

“Insight out” is a well-established symposium for professionals of the audiovisual industry, hosted by Medienboard Berlin-Brandenburg GmbH and the Digital Media Institute of the HFF Film and Television University "Konrad Wolf" Potsdam, one of Europe's largest and most renowned schools for film and television. International experts provide professional training on digital production technology for film and television, such as digital camera technology, visual effects, 3D animation, digital intermediate, colour grading, sound design and digital projection. The project is funded by the MEDIA Plus Program of the European Union and the Medienboard Berlin-Brandenburg GmbH.

One of this year’s workshops dealt with stereoscopic 3D projection. At the lecture held by Mr Krahn (MikroM), several trailers and short films were presented so the audience could convince themselves of the excellent projection quality of stereoscopic D-Cinema.

The audience thought it very interesting that the DCP 70 L Digital Cinema Projector, which Kinoton had installed at the HFF a few weeks ago, can not only present “normal” digital cinema movies in DCI compliant 2K resolution, but stereoscopic content as well. All you need is a 3D server and a polarisation filter or shutter glasses system. At the “Insight Out” workshop, a DVC ClipDisk 3D server and an active NuVision 3D system were employed.

The NuVision system is composed of a sync box, an IR transmitter and active shutter-glasses. The sync box gets a signal from the projector which controls the shutter-glasses by infrared communication. The DCP 70 L gets two input signals from the 3D server, one for the right eye and one for the left eye, which are projected alternately at a high frequency. The right and left shutter-glasses are dimmed in turn so that only one eye at a time can look at the screen. If the picture for the left eye is projected, the right glass becomes opaque, and vice versa. The brain interprets these two different sights as a three-dimensional representation, experiencing an amazingly realistic 3D effect.

“This active 3D technique for D-Cinema projectors is cost-effective, easy to retro-fit and easy to use”, states Kinoton’s D-Cinema product manager Markus Naether. “In contrary to passive 3D cinema requiring a special silver screen, active 3D can be projected on every common cinema screen. Besides this, the prices for shutter-glasses have been cut severely, making this a cost-efficient and fast way for exhibitors to add an additional crowd puller to their theatres, independent of existing 3D license models.

About Kinoton

Almost sixty years of experience make Kinoton, headquartered close to Munich/Germany, one of the world-wide leading designers and manufacturers of professional equipment for processing and projection of film and digital pictures. Kinoton offers complete system solutions for cinema and studio applications as well as for large format and special venue projection. The extensive product range also includes the innovative Litefast 360° LED Display systems for advertising and digital signage.

The well-established system provider with a staff of 160 employees and in-house manufacturing keeps impressing professional circles with innovative technical developments. An extensive international service and support network with competent partners guarantees reliable customer proximity all over the world.

Kinoton’s DCP Digital Cinema Projector series with 2K DLP Cinema® technology for brilliant digital pictures was specially designed for cinema use. The DLP Cinema® components are supplied by Barco, one of the licensees of the DLP Cinema® technology from Texas Instruments.

More information about Kinoton is on the Internet at www.kinoton.com and www.litefast-display.com.

About Barco

Barco, a global technology company, designs and develops visualization products for a variety of professional markets. Barco has its own facilities for Sales & Marketing, Customer Support, R&D and Manufacturing in Europe, North America and Asia Pacific.

Barco (Euronext Brussels: BAR) is headquartered in Belgium and is present in more than 90 countries with about 3800 employees worldwide. Barco posted sales of euro 712 million in 2005.

More information is on the Internet at www.barco.com.

About Texas Instruments DLP Products

DLP display technology from Texas Instruments offers clarity down to the most minute detail, delivering pictures rich with color, contrast and brightness to large-screen HDTVs and projectors for business, home, professional venue and digital cinema (DLP Cinema®). 75 of the world’s top projection and display manufacturers design, manufacture and market products based on DLP technology. At the heart of every DLP chip is an array of up to 2.2 million microscopic mirrors which switch incredibly fast to create a high resolution, highly reliable, full color image. DLP technology’s chip architecture and inherent speed advantage provides razor-sharp images and excellent reproduction of fast motion video. Since early 1996, more than 10 million DLP sub-systems have been shipped. For more information, please visit www.dlp.com.

Texas Instruments Incorporated provides innovative DSP and analog technologies to meet our customers' real world signal processing requirements. In addition to Semiconductor, the company's businesses include Educational & Productivity Solutions. TI is headquartered in Dallas, Texas, and has manufacturing, design or sales operations in more than 25 countries.

Texas Instruments is traded on the New York Stock Exchange under the symbol TXN. More information is located on the World Wide Web at www.ti.com.

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About DVC

Since 1990 DVC Digitalvideo Computing GmbH has been developing, producing and selling integrated system solutions for the Digital Video, presentation and HDTV market. At the same time DVC is the European respective German master distributor for several well-known manufactures in the HDTV/Digitalvideo, desktop video, broadcasting and streaming media market.

DVC's own products including the ClipRecorder, ClipDisk, ScreenDisk, and the megacine have their focus on markets like film scanning, video post-editing, Digitaldailys, presentation and research & development. Together with Kinoton, as a strategic partner, DVC offers server systems and solutions for the growing future markets of Digital Cinema and HD presentation.