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Kinoton D-Cinema Projectors Built on DLP Cinema® Components from Barco Now Certified

The new DCP 2K Digital Cinema Projector line of the renowned cinema technology supplier Kinoton, based on Barco's OEM core components, has successfully passed the Texas Instruments (TI) certification procedure, proving to meet highest demands on picture reproduction quality.

The DCP Digital Cinema Projectors were jointly certified by TI and Barco at Kinoton premises. The intention of the examination was to ensure that the D-Cinema projectors inner workings and the DLP Cinema® technology provided through Barco go well together to guarantee optimum picture steadiness, contrast and illumination.

The modular design of the DCP projectors includes two different illumination systems, the "L" version and the "S" version, featuring different mirrors and components. Both versions can be integrated in the compact DCP 70 D-Cinema projector as well as in the DCP 30 two-part D-Cinema projector. The examining team from TI and Barco first carefully studied these two illumination systems thoroughly, satisfying themselves that the systems provide a stable and flicker-free illumination. Then they set off a comprehensive test series to control any important projection parameter on both DCP models, each one quipped with the two different illumination systems:

- A colour accuracy and uniformity check confirmed that the RGB primary colours and their combination colours are reproduced correctly and evenly over the whole screen.
- An illumination uniformity test showed the whole screen was illuminated evenly.
- The contrast ratio between white and black was thoroughly inspected.

- Image distortion tests proved the pictures are projected with highest accuracy and without deformation.
- A MTF (modulation transfer function) test gave information about the constancy of the image definition over the whole screen.
- Finally the DCP projectors. reproduction was examined for pixel errors.

The two different illumination systems passed all these accurate tests at first go with the DCP 70 as well as with the DCP 30 Digital Cinema Projector, thus satisfying all parties concerned and earning full certification by Texas Instruments.

Barco is one of three licensees of the DLP Cinema® technology from Texas Instruments.

(DLP Cinema is a registered trademark of Texas Instruments.)

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 subsystems 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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