

DP4K-P

The gold standard for digital postproduction projection



Benefits

- Crisp 4K images with superior uniformity
- Excellent color matching thanks to extra wide color gamut
- Increased detail through exceptionally high contrast ratio
- Software tuned to the postproduction workflow
- Ultimate ease of use thanks to an intuitive user interface
- Easy servicing through modular design

The DP4K-P postproduction projector is the world's only dedicated projector that meets the high-performance demands for postproduction, archiving, restoration and 4K color grading.

Proven projector platform

The DP4K-P projector builds on the proven platform of Barco's DP4K-B digital cinema projectors, from which it inherits widely acclaimed benefits such as best-in-class light efficiency, lowest cost of ownership and ultimate ease of use.

Enhanced image detail

To respond to the highly specialized needs of postproduction houses, the projector has been enhanced with higher contrast and superior color uniformity, and a greatly expanded color gamut - considerably wider than the current DCI/SMPTE recommended color space.

User-friendly operation

What's more, the DP4K-P projector is bundled with a special version of the Barco Communicator software. This dedicated software provides increased control over the color space, enables color correction per eye for 3D content and offers powerful input analysis. These features allow you to do your job with an unprecedented level of accuracy.

BARCO

Visibly yours

Dedicated software tool

The special postproduction version of Barco's Communicator projector software offers powerful input analysis and enables color correction per eye for 3D content. Thanks to this increased control over the color space and other image parameters, you can do your postproduction work with unmatched precision. As an easy-to-use and complete tool it will surely boost your creative processes.

Intuitive user interface

The overall look and feel of the Communicator interface is adapted to the dark environment in which it is used. Its intuitive menu structure is quick to navigate and all the specific functionalities for postproduction are conveniently bundled into one single section of the Communicator tool. And since all functionalities are centralized in one user interface, there's no need for extra training or additional tools.

Flexible control

Increased control over the projection parameters, such as look-up tables and color space settings, allows you to do your job with maximum accuracy. Supporting all cinema 3D modes, color correction per eye is enabled for 3D content.



Easily adjustable color space settings (YCbCr to RGB conversion matrix)

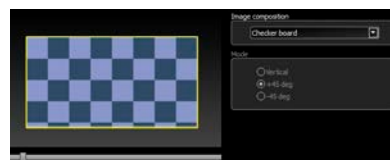


Look and feel adapted to dark environments

Powerful input analysis

When combined with the quad 3Gb/s input board, the software is turned into a powerful input analysis tool with the following functionalities:

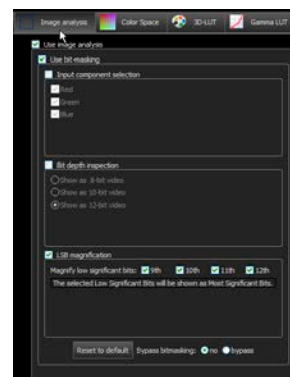
- Visualize the most and least significant bits with the bit-depth analysis on the different inputs
- Compare and analyze your work thanks to the split screen analysis (diagonal, vertical, side-by-side and checker board)



Adjustable split screen mode



Input analysis mode with bit depth analysis



Best-in-class performance for postproduction

To achieve this best-in-class performance, the DP4K-P projector is geared with several new components, specifically designed to meet the postproduction specifications. Thanks to these features, you have full freedom and flexibility for your creative postproduction processes.



“ We knew it would meet our standards for absolutely pristine image and color accuracy. There’s no question that what you’re seeing on the Barco postproduction projector is 100 percent accurate and true.

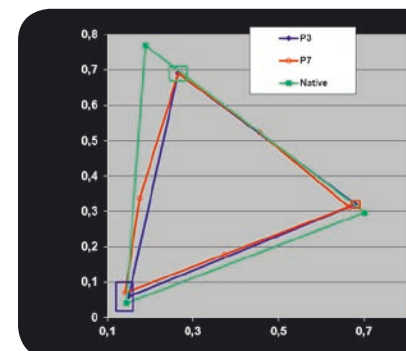
Kevin Cannon, partner, Prehistoric Digital

4K input board

The DP4K-P postproduction projector comes with a dedicated 4K (4x 3Gb/s) input board which enables playback of native 4K content. It also supports new input standards such as 3G Level A, Level B dual stream and Level B dual link.

Wide color gamut filter

The Barco postproduction projector is geared with a specific filter that creates a wide color gamut - considerably wider than the current DCI/SMPTE recommended color space. Thanks to this extra wide color gamut, color matching becomes really accurate.



High-contrast lens

Thanks to its high-contrast lens, Barco’s DP4K-P generates images with an improved contrast. The projector has also been calibrated for extra contrast, enhanced detail and ultimate image quality.

10 reasons to choose Barco



1 A trusted partner

Selecting Barco as your partner means choosing many years of experience in Digital Cinema. All around the globe, Barco's products have proven their worth by offering unmatched brightness, amazing 3D-capabilities, excellent reliability and low total cost of ownership. Next to offering leading-edge technology, Barco is committed to shaping the cinema of the future together with its customers.

2 State-of-the-art technology

Barco has always been at the forefront of Digital Cinema technology and was the first to introduce a sealed optical engine, a 30,000+ lumens projector, natural 3D sound and many other innovations. As a Digital Cinema technology pioneer, Barco is committed to bringing the latest technologies to the market.

3 25 years of 3D expertise

With over 25 years of 3D experience, Barco knows like no other how to make 3D work, today and tomorrow. What's more, Barco has developed a perfect 3D sound companion for visual 3D. Superb image quality combined with natural 3D sound, gives audiences dazzling 3D adventures they will love to live again.

4 Perfect image quality

Image quality is crucial in creating a premium screen experience. Barco's DP2K/4K projectors are based on the latest DLP Cinema® chip from Texas Instruments, which ensures the highest picture brightness, contrast and sparkling colors.

5 Minimal cost of ownership

Keeping cost of ownership low is always high on Barco's priority list when developing new products. All core components of Barco's products have therefore been designed for maximum efficiency, easy serviceability and extended product lifetime.

6 Remote monitoring & control

Barco's product range is equipped with remote monitoring and control functionalities to guarantee complete ease of mind. Operating your cinema's equipment from one central location, increases uptime and reduces operational costs.

7 Focus on quality

In Digital Cinema, downtime and revenue are mutually exclusive. That's why Barco focuses on innovation in the domains that matter most such as ease of use, total cost of ownership and image quality.

8 Optimum ease of use

Barco's Digital Cinema products are very easy to install and operate. Their common user interface greatly reduces handling time so that everyone can enjoy our technology with a minimal amount of training and a maximum result.

9 One-stop shop

Next to state-of-the-art projection technology, Barco's Digital Cinema product portfolio also includes 3D sound, digital signage solutions, theater management software, dedicated training and a full palette of services. Barco offers everything you need to gear your cinema for the future.

10 Future-proof

Barco is highly committed to offer exhibitors the most comprehensive suite of products to create a premium movie experience in their auditoriums. What's more, Barco continuously invests in new technologies such as laser projection to anticipate future customer needs.



M00486 -R00-0213-PB February 2013

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this brochure can be found on www.barco.com.

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