

Barco digital cinema

A perfect match for every screen



BARCO

Visibly yours



Projecting the magic

Barco has been a pioneer in digital cinema since the very beginning, more than a decade ago. In June 2000, Barco participated in the world's first digital network transmission and screening of the movie 'Titan A.E.'. Ever since, Barco projectors have brought magic to life with their superb image quality and breakthrough technological innovations.

Through the years, Barco introduced numerous industry-firsts, such as a sealed optical engine, a user-friendly modular design, full-panel triple flash 3D technology and many more innovations.

Today, Barco is once again leading the way with the introduction of the next-generation DP2K projector line. Equipped with the latest DLP Cinema® chip from Texas Instruments, the new DP2K-series offers the brightest and most cost-effective projection solution available today. A perfect match for every screen.



Unmatched 3D performance

The new Barco DP2K-projectors will light up every screen with their superb image brightness, vibrant colors and exceptionally rich contrast levels. This amazing image quality will create an unparalleled 3D experience for your audience, as well as more box-office potential for your theater. Barco projectors are compatible with all leading 3D technologies and offer easy stacking for dual-projector 3D setups.

Ultra-bright movie projections

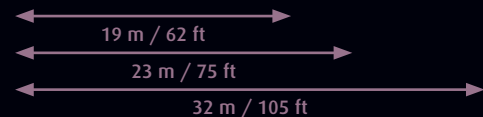
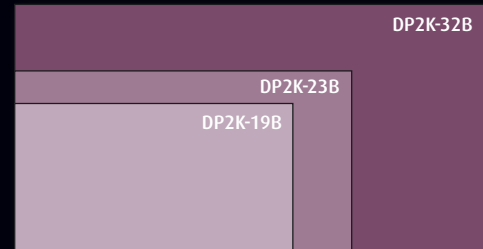
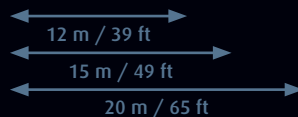
Thanks to their superior optical design and sealed optical engine, Barco DP2K projectors are your guarantee for ultra-bright movie projections time after time. And with the top-of-the-line DP2K-32B, Barco's product offering also includes the brightest cinema projector on the planet.

Low cost of ownership

Keeping operating cost low was a top priority when developing the DP2K-family. All core components have been designed for easy serviceability and extended product lifetime.

A perfect match for every screen

Barco provides the most complete range of digital cinema projectors in the industry. From the compact and budget-friendly DP2K-12C to the top-of-the-line DP2K-32B, the DP2K product line includes a perfect match for every possible cinema screen.



0.98-inch DLP Cinema® based



1.2-inch DLP Cinema® based



Undiminished image quality

Sealed optical engines have become a hallmark of Barco digital cinema projectors. Thanks to this patented, hermetically sealed enclosure, dust cannot intrude in the DLP Cinema® chip, which ensures undiminished brightness and contrast levels over the years. Barco projectors also come with a unique, patented convergence alignment tool requiring up to five times less effort to optimize convergence than any other tool available on the market today. Moreover, Barco projectors are equipped with enhanced DMD cooling, which drastically extends the lifetime of this core component.



Clever modular design for easy maintenance and maximum uptime.



Easy maintenance

All around the globe, theater owners praise the enhanced modularity and commonality in design of Barco projectors. This modularity significantly minimizes downtime, allows for a minimum spare parts stock and speeds up technicians' learning curves, which further reduces cost of ownership.



Up to 30% lower lamp operating cost

Unlike other projector suppliers who are using expensive customized lamps, the Barco DP2K-series efficiently maximizes the light output from standard short-arc bulbs (available from multiple suppliers). This results in a lamp operating cost that is up to 30% lower than competition, with choice and variety for every exhibitor. Moreover, Barco DP2K-series projectors have the lowest cooling exhaust requirement in the industry and further lower total cost of ownership thanks to the use of re-usable filters on all air inlets.



Ultimate ease-of-use

To enhance the overall ease-of-use of your Barco DP2K-series projector, it comes with proprietary Communicator software. This multi-language, multi-platform (PC, Macintosh and Linux) software allows to connect to the projector over the network, be it from your pc or from the optional Communicator Touch Panel. Designed for multi-user command and control, the Communicator software enables one-click access to any model of Barco's DP-2K projector series. What's more, in a networked theater complex, only one Communicator Touch Panel is needed to access and control any projector on-site and configurations can be cloned to another projector. The Communicator software also features 'Diagnostics Companion' functionality. In case of failure, 'Diagnostics Companion' guides the operator through a number of steps to determine and solve the problem.



Re-usable metal filters for lower operating cost.



Communicator touch panel for easy command and control.

DP2K-C series

Small footprint, budget-friendly performance

For small and mid-size movie theaters, Barco created a dedicated family of compact DP2K 'C' projectors, based on Texas Instruments' proven 0.98-inch DLP Cinema® chip. First-class image quality, long-term brightness, easy maintenance,... the DP2K C-series unites all the advantages of a Barco projector in a user-friendly, compact form factor.

Key benefits

- Compact, budget-friendly solution
- Extended life span through sophisticated DMD cooling (Barco IP)
- Next-generation electronics ready for DLP Cinema® Enhanced 4K*



DP2K-12C Ideal for small theaters



DP2K-15C Ideal for mid-size theaters



DP2K-20C Ideal for large theaters



**dependent on availability of DLP Cinema® Enhanced 4K 0.98" DMD from Texas Instruments*

DP2K-B series

Brightest images, lowest operating cost

For large and mid-size movie theaters, Barco created a dedicated family of ultra-bright DP2K B-series projectors, based on Texas Instruments' proven 1.2" DLP Cinema® chip. The high-performance B-series ensure a stunning movie experience in 2D and 3D, even on the largest cinema screens. What's more, they combine this amazing image quality with a maintenance-friendly architecture and lowest cost of ownership.

Key benefits

- Brightest projectors in their class thanks to efficient optical design
- Minimal cost of ownership (lowest lamp operating cost, re-usable filters, low maintenance,...)
- Smart auto lamp alignment
- Extended life span through sophisticated DMD cooling
- Next-generation electronics ready for DLP Cinema® Enhanced 4K*



DP2K-19B

Ideal for mid-size and large theaters



DP2K-23B

Ideal for large theaters



DP2K-32B

The ultimate 3D machine



**dependent on availability of DLP Cinema® Enhanced 4K 1.38" DMD from Texas Instruments*

'Red carpet' support services

Global reach, local presence

For optimum peace of mind, you can rely on a full palette of dedicated services that optimize your uptime and keep your expenses under control. Our worldwide network of support services, including a Network Operations Center, guarantees 24/7 professional assistance wherever you are, whenever you need it.

Dedicated training programs

Together with the increasing number of digital cinema screens comes the need for high level digital projection training. Therefore, Barco has launched a certified service partner program to establish a worldwide support network with the highest quality local service and support.

This program, unlike any other in the world, provides exhibitors with training courses targeted at their exact needs. It guarantees projectionists to become rapidly confident with digital equipment. All certified engineers also have the chance to continuously update themselves on the latest service procedures, product updates and new products via a series of online training videos and via dedicated courses at the Barco University system.



// We strongly support the DLP technology brought by our partners Barco and Texas Instruments as we believe it is the best in the industry in terms of quality, reliability and value. This will provide our customers the best viewing experience available.

Alan Stock,
CEO of Cinemark Holdings, Inc.

Engine sealing in clean room



More than movies

Alternative content

Today's cinema business is so much more than feature films. Because of its long-standing expertise in imaging and image processing in various professional markets – including media, entertainment, events and broadcast - Barco is the ideal technology partner for alternative content.

From business and sports presentations in the auditorium (powered by Barco's ACS-2048 universal switcher) to advertising, theater and information displays, Barco has the ideal solution.



The gold standard in digital post-production

Barco's digital cinema projectors are widely known as the industry standard for post-production, where high-quality screen images are an absolute must.

Either for group review of the digital dailies on location, for the HD screening room or audio dubbing studio, for color corrections or for the screening of digital intermediates, Barco has the perfect post-production solution for your needs, be it projection or grade-1 reference monitors.



// For us, there was no other option than Barco. They are the industry standard for post-production digital cinema projectors

Daniel Marques,
Image technical support
Studio l'Equipe



10 reasons to choose Barco

1

A trusted partner

Barco's digital cinema business unit is part of the larger Barco Group, which is active in more than 90 countries and has its own facilities for Sales & Marketing, Customer Support, R&D and Manufacturing on every continent. This background is your guarantee for dedicated support services close to the customer, as well as quick and stable access to new, cutting-edge technologies. Our long-term commitment to the cinema industry is further illustrated through long-standing partnerships with all major players in the industry.

2

State-of-the-art technology

Barco has always been at the forefront of digital cinema technology. Barco was the first to introduce a sealed optical engine, a truly modular architecture, a 30,000+ lumen projector, and many other innovations. In addition, Barco is strongly committed to inform its customers about new technological possibilities and to help them in being the best in what they do.

3

Time-tested solutions

Selecting Barco as your partner means choosing many years' experience in digital cinema. Barco's digital cinema projectors have been chosen by many of the world's leading and most demanding theaters and theater circuits. 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.

7

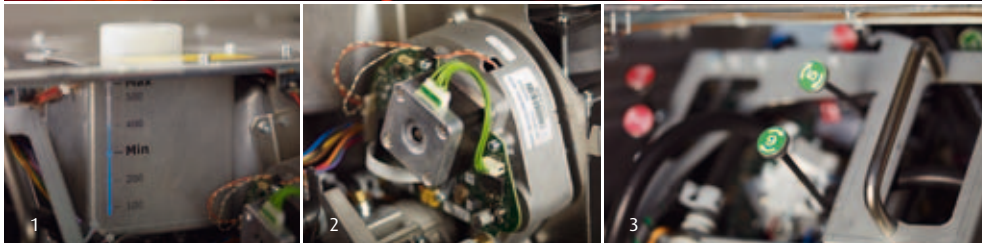
Remote monitoring & control

The need to monitor equipment in a contemporary networked environment is critical to your design and cost of operation – not only for statistical tracking, but also for error reporting and fault analysis. Thanks to the intuitive, multi-lingual and multi-platform Communicator software, you can monitor your facility's projectors – locally or remotely. The reports can be issued to the customer, integrator, or to the Network Operations Center.

8

Focus on quality

In digital cinema, downtime and revenue are mutually exclusive. That's why Barco has developed its modular design in which every core component is swappable via side access. This unique feature lowers theaters' downtime and improves the overall service turnaround times. Though DLP Cinema® technology is extremely reliable, Barco has enhanced the engine lifetime even more through a controlled and stabilized chip temperature.



1. Advanced DMD cooling for extended lifetime
2. Integrated 3D unit
3. User-friendly DMD alignment controls

4 25 years of 3D expertise

With 25 years of 3D experience, Barco knows like no other how to make 3D work, today and tomorrow. Superb image quality, combined with vibrant colors and rich contrast levels, makes the screen come to life and gives audiences dazzling 3D adventures they will love to live again. Barco's projectors are fully compatible with all existing 3D-systems.

5 Exceptionally bright images

The Barco DP2K-series is based on the latest DLP Cinema® chip from Texas Instruments, which ensures a first-class movie experience with consistent picture brightness, contrast and sparkling colors. Moreover, Barco DP2K-projectors are designed with a sealed optical engine protecting the imaging chip against intruding dust. The result? Intensely bright images, time after time.

6 Minimal cost of ownership

Keeping cost of ownership low was high on the priority list when developing the DP2K series. That's why, unlike most competitors, Barco uses standard projector lamps, available from all major lamp manufacturers. This reduces your lamp operating cost up to 30% without compromising on light output. Other money saving traits include the fully modular design, the re-usable metal filters, the low ventilation requirements, and the sealed optical engine.

9 Optimum ease of use

All DP2K-projectors are very easy to install and operate. Their common user interface greatly reduces handling time. And with the user-friendly Communicator software and its Diagnostic Companion functionality, everyone can enjoy the Barco DP2K-family with a minimal amount of training and a maximal result.

10 Fully DCI and SMPTE compliant

Barco products have gained the trust from all major players in the industry and have been installed in large numbers on every continent. This track record helps us to better understand today's and tomorrow's industry requirements. To ensure optimum interoperability and security, the new DP2K-series complies with the latest DCI and SMPTE standards.



Inform. Advertise. Think Barco.

Barco is not only a world leader in digital cinema, but also offers first-class LED solutions for professional markets, including large-scale entertainment, events, sports and corporate branding.

Looking for a solution to inform your visitors about upcoming events or releases? Searching for a dynamic signage solution to light up your cinema's façade? Indoor or outdoor? Barco has the right solution.

Think further. Think Barco.



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