DP4K-32Bx2

Ultra-bright 4K Barco Alchemy DLP Cinema projector for screens up to 32m (105ft)

- **4K resolution, premium movie experience**

- **Integrated, DCI-compliant, future-proof projector**

- **Combines media server functionalities with Series 3 cinema processing electronics**

The Barco DP4K-32B is an ultra-bright 4K cinema projector for bigger screens. Featuring TI's 1.38" DLP Cinema® chip, the DP4K-32B offers stunning 4K images with ultimate brightness and vibrant colors to ensure a razor-sharp movie experience. By merging the projector and media server functionalities into one projector module, the DP4K-32B Barco Alchemy projector is a full-fledged, DCI-compliant projector and media-server solution with on-board storage. Reducing the required hardware, it increases simplicity and reliability. The smart projector even detects potential operational errors and warns users in case of mishaps. Great in TMS environments, it operates stand-alone in single-screen applications. Thanks to the embedded Barco Web Commander user interface, shows can be created and scheduled remotely.

Future-proof technology for an enthralling movie experience
A single DP4K-32B Barco Alchemy projector can truly elevate the movie experience by enabling 4K 2D to be shown at 60 fps and 4K 3D images. It also shows uncompressed 4K 60 fps alternative content for crisp images.

Low cost of ownership
Geared with integrated Barco Alchemy technology that drives operational and maintenance costs down, the DP4K-32B offers superior image processing, pristine images and ultimate reliability at a low TCO.

Unique benefits of Barco Alchemy technology

Combines media server functionalities with cinema processing electronics   A single DP4K-32B projector shows 4K movies at 60 fps and 4K 3D content   Fewer boxes lead to more reliability and ease-of-use   Simple operation thanks to intuitive 'Barco

BARCO

Web Commander' user interface   Easy upgrading of Series 2 projectors with Barco Alchemy module

- Combines media server functionalities with cinema processing electronics

- A single DP4K-32B projector shows 4K movies at 60 fps and 4K 3D content

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- Simple operation thanks to intuitive 'Barco Web Commander' user interface

- Easy upgrading of Series 2 projectors with Barco Alchemy module

- Brightest projector in its class

- Enhanced 4K resolution at high frame rates and ultimate brightness for a premium movie experience

- Barco's 4K digital cinema projectors are the first to show 4K movies at 60 fps and 4K 3D content on a single projector

- Highest bit rates ensure pristine content at all times, also at high frame rates

- Lowest cost of ownership thanks to integrated Barco Alchemy technology, lowest lamp operating cost, re-usable filters, low maintenance, etc.

- Maximum ease-of-use through intuitive 'Barco Web Commander' screen management system, running via a web browser

- Barco Web Commander also runs on iOS and Android tablets via the free 'Barco CineMate' app

- Barco Communicator for simple configuration and updates of all modules in the projector

- Long-term image quality and brightness thanks to Barco proprietary sealed engine and advanced DMD cooling

- Coolest 4K engine for enhanced lifetime thanks to Barco's patented, advanced DMD cooling

- Easy installation and maintenance thanks to proven modular design and common platform with DP2K series

Product specificaties	DP4K-32BX2
General specifications	
Digital MicroMirror Device™	3 x 1.38" DC4K dark metal devices
Native resolutie	4,096 x 2,160 pixels
Behuizing	Hermetically sealed DMDs and optical assembly
Lamp	3kW -7kW (Xenon lamp)
Lichtuitvoer	33,000 lumens (6.5kW lamp factory installed) (more than 34,000 lumens using 7kW lamp)
Schermformaat	Up to 32m / 105 ft wide
Contrastverhouding	2,000:1
Primelenzen	1.13 -1.66 1.27 -1.86 1.45 -2.13 1.63 -2.53 1.95 -3.26 2.53 -4.98 equivalent throw ratios for 4K 1.38" DMD
I/O-controle	3x Ethernet 8x GPIO (DB 25) 3D interface USB RS-232 interface (DB9)
Integrated Cinema Media Processor	DCI 4K 2D up to 60fps* DCI 4K 3D (24 or 30 fps per eye)* DCI High Frame Rates 2K 3D up to 120fps (60fps per eye) JPEG 2000 bit-rates up to 625Mbps Dual-channel color-correction 2x Displayport DisplayPort 1.1a (up to 4K 2D 60fps and 4K 3D 30fps)** 2x 3G-SDI inputs 1x HDMI 1.4a (up to 4K 2D 24fps, support for BluRay 3D) 16x AES/EBU audio channels (2x RJ45) 8x GPI, 8x GPO (4x RJ45) 2x ETH for content connectivity & ingest 2x front-accessible USB 3.0 for fast ingest 2x front-accessible USB 2.0 Video watermarking: Civolution NexGuard Audio watermarking: Civolution Closed captioning devices: Support for SMPTE 430-10 * 4K 24fps is standard. For 4K 60p / 4K 3D on ICMP upgrade modules a license is required. Newly-built 4K Barco Alchemy projectors have the license standard included. ** On B&C series projectors, the DisplayPort inputs replace the DVI inputs of the Cinema Controller.
Geïntegreerde opslag	1.9TB effective storage (RAID-5) / 3x 1TB Hot-swappable 2.5" hard-drives 3.9TB effective storage (RAID-5) / 3x 2TB Hot-swappable 2.5" hard-drives

Product specificaties	DP4K-32BX2
Barco Web Commander	Projector Dashboard Projector Control Board Show Player/Editor/Scheduler Automation, 3D, Ingest Dynamic DCp playlist & intermission TMS integration Smart Projector Status Via HTML5 web-browsers including iOS & Android tablets Dual projector 3D: passive and active Auro 11.1 decoding
Voedingsvereisten	3W+N+PE 230/400V 16A 50-60Hz or 3W+PE 208V 27A 50-60Hz 30,000 BTU/hr (with 6.5kW -7kW lamp)
Afmetingen	604(H) x 754(W) x 1129(D) mm / 23.78(H) x 29.69(W) x 44.45(D) inch NB.: min. 5 cm of air inlet spacing required at the bottom of projector
Gewicht	141 kg (311 lbs)
Omgevingstemperatuur	35°C / 95°F Max.
Luchtuitstroom	350 -390 CFM
Standaardkenmerken	CLO (Constant Light Output) Powerful SNMP agent Motorized/memorized lens (focus, zoom & shift) Advanced patented DMD cooling
Opties	3D add-ons Touch screen monitor, inc. Barco Commander & Communicator Pedestal CineCare Web Auro 11.1 license Barco Escape license Live 3D*** *** Software roadmap

Laatst bijgewerkt: 28 Apr 2023