DP4K-32B

Bright 4K Barco Alchemy DLP Cinema projector (33,000 lumens)

- **4K resolution,**
- **Integrated, DCI-compliant projector**
- **Combines media server functionalities with Series 3 cinema processing electronics**

The Barco DP4K-32B is a bright 4K cinema projector designed for bigger screens. Featuring TI's 1.38" DLP Cinema® chip, the DP4K-32B offers stunning 4K images with superb brightness and vibrant colors to ensure a razor-sharp movie experience on premium cinema screens. 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.

Low cost of ownership

Geared with integrated Barco Alchemy technology that drives operational and maintenance costs down, the DP4K-32B offers DCI image quality sing, pristine images and ultimate reliability at a low TCO.

Easy matintenance and operation

The DP4K-32B comes with the Barco Web Commander screen management system featuyring an intuitive user interface. The projector detects potential operational errors and warns users if, for instance, a scheduled show is missing assets or KDMs. It also has easy-to-use, fully modular architecture for simple serviceability and higher uptime.

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 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
- Fewer boxes lead to more reliability and ease-of-use
- Simple operation thanks to intuitive 'Barco Web Commander' user interface
- Easy upgrading of Series 2 projectors with Barco Alchemy module
- Enhanced 4K resolution at high frame rates and ultimate brightness
- 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, re-usable filters, low maintenance, etc.
- Maximum ease-of-use through intuitive 'Barco Web Commander' screen management system, running via a web browser
- 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-32B
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	1,850:1
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 MPEG-2 (4:2:0 and 4:2:2 up to 60fps) 2x Displayport 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 Gbe 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 60 fps / 4K 3D on ICMP upgrade modules a license is required. Newly-built 4K Barco Alchemy projectors have the license standard included.
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
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 (10 – 11 m^3/min)
Standaardkenmerken	CLO (Constant Light Output) Powerful SNMP agent Motorized/memorized lens (focus, zoom & shift) Advanced patented DMD cooling
Veiligheidsvereisten	Class 1 risk group 3
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

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