

# DP2K-32B

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



- **Bright images, low operating cost**
- **Integrated, DCI-compliant projector**
- **Combines media server functionalities with Series 3 cinema processing electronics**

The DP2K-32B is designed for bigger screens and provides excellent image quality with vibrant colors and rich contrast levels. By merging the projector and media server functionalities into one projector module, the DP2K-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 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 the integrated Barco Alchemy technology that drives operational and maintenance costs down, the DP2K-32B offers superior image processing, DCI quality images and ultimate reliability at a low TCO.

### **Easy maintenance and operation**

The DP2K-32B comes with the 'Barco Web Commander' screen management system featuring 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 an easy-to-use, fully modular architecture for simple serviceability and higher uptime.

The DP2K-32B projector is also available in a package with a third-party media server and it can be ordered without the Barco Alchemy module as well.

### **Unique benefits of Barco Alchemy technology**

- Combines media server functionalities with cinema processing electronics



- 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
- Lowest cost of ownership thanks to integrated Barco Alchemy technology, re-usable filters, low maintenance, etc.
- Includes storage
- 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 proprietary sealed engine and advanced DMD cooling
- Easy installation and maintenance thanks to proven modular design and common platform with DP2K C-series

**TECHNISCHE SPECIFICATIES****DP2K-32B**

|                                   |   |
|-----------------------------------|---|
| Digital MicroMirror Device™       | 3 x 1.2" DC2K dark metal devices  |
| Native resolutie                  | 2,048 x 1,080 pixels  |
| Behuizing                         | Hermetically sealed DMDs and optical assembly   |
| Lamp                              | 3kW -7kW (Xenon lamp)   |
| Lichtuitvoer                      | 33,000 lumens (6.5kW lamp factory installed)<br>(more than 34,000 lumens using 7kW lamp)  |
| Schermafmaat                      | Up to 32m / 105 ft wide   |
| Contrastverhouding                | 2,000:1   |
| I/O-controle                      | 3x Ethernet<br>8x GPIO (DB 25)<br>3D interface<br>USB RS-232 interface (DB9)  |
| Integrated Cinema Media Processor | DCI 4K 2D up to 60fps*<br>DCI 4K 3D (24 or 30 fps per eye)*<br>DCI High Frame Rates 2K 3D up to 120fps (60fps per eye)<br>JPEG 2000 bit-rates up to 625Mbps<br>Dual-channel color-correction<br>MPEG-2 (4:2:0 and 4:2:2 up to 60fps)<br>2x Displayport<br>2x 3G-SDI inputs<br>1x HDMI 1.4a (up to 4K 2D 24fps, support for BluRay 3D)<br>16x AES/EBU audio channels (2x RJ45)<br>8x GPI, 8x GPO (4x RJ45)<br>2x Gbe for content connectivity & ingest<br>2x front-accessible USB 3.0 for fast ingest<br>2x front-accessible USB 2.0<br>Video watermarking: Civolution NexGuard<br>Audio watermarking: Civolution<br>Closed captioning devices: Support for SMPTE 430-10<br>* 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<br>3.9TB effective storage (RAID-5) / 3x 2TB Hot-swappable 2.5" hard-drives  |
| Barco Web Commander               | Projector Dashboard<br>Projector Control Board<br>Show Player/Editor/Scheduler<br>Automation, 3D, Ingest<br>Dynamic DCP playlists & intermission<br>TMS integration<br>Smart Projector Status<br>Via HTML5 web-browsers including iOS & Android tablets<br>Dual projector 3D: passive and active<br>Auro 11.1 decoding  |
| Barco Communicator                | Projector installation & configuration<br>Projector update & maintenance  |

**TECHNISCHE SPECIFICATIES****DP2K-32B**

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|-----------------------------|--|
| <b>Projectordiagnose</b>    | via Integrated Media Server<br>via Communicator control software<br>via SNMP agent   |
| <b>Voedingsvereisten</b>    | 3x 400V + N or 3x 220V<br>30,000 BTU/hr (with 6.5kW lamp)  |
| <b>Afmetingen</b>           | 604(H) x 754(W) x 1129(D) mm<br>23.78(H) x 29.69(W) x 44.45(D) inch<br>NB.: min. 5 cm of air inlet spacing required at the bottom of projector   |
| <b>Gewicht</b>              | 140 kg (309 lbs)   |
| <b>Omgevingstemperatuur</b> | 35°C / 95°F Max.   |
| <b>Luchtuitstroom</b>       | 350 – 390 cfm (10 – 11 m <sup>3</sup> /min)  |
| <b>Opties</b>               | Barco CineMate App (iOS & Android) -free<br>3D add-ons<br>Touch screen monitor, inc. Barco Commander & Communicator<br>Pedestal<br>CineCare Web<br>Auro 11.1 license<br>Barco Escape license<br>Live 3D***<br>*** Software roadmap |
| <b>Veiligheidsvereisten</b> |  |

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**Last updated: 01 Sep 2021**

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.