DP2K-32B

Bright DLP Barco Alchemy Cinema projector for screens up to 32m (105ft)

The DP2K-32B is designed for screens up to 32m (105ft) wide 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, pristine 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

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Product specifications	DP2K-32B
Digital MicroMirror Device™	3 x 1.2" DC2K dark metal devices
Native resolution	2,048 x 1,080 pixels
Housing	Hermetically sealed DMDs and optical assembly
Lamp	3kW - 7kW (Xenon lamp)
Light output	33,000 lumens (6.5kW lamp factory installed) (more than 34,000 lumens using 7kW lamp)
Screen size	Up to 32m / 105 ft wide
Contrast ratio	2,000:1
Prime lenses	1.25 - 1.45 1.4 - 2.05 1.6 - 2.35 1.8 - 2.8 2.15 - 3.6 2.8 - 5.5
Control I/O	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 HDMI2.0a (up to 4K 2D 60fps) 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.
Integrated storage	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 playlists & intermission TMS integration Smart Projector Status Via HTML5 web-browsers including iOS & Android tablets Dual projector 3D: passive and active Auro 11.1 decoding
Barco Communicator	Projector installation & configuration Projector update & maintenance
Projector diagnostics	via Integrated Media Server via Communicator control software via SNMP agent
Power requirements	3x 400V + N or 3x 220V 30,000 BTU/hr (with 6.5kW lamp)
Dimensions	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
Weight	140 kg (309 lbs)
Ambient temperature	35°C / 95°F Max.
Exhaust airflow	350 – 390 cfm (10 – 11 m³/min)

Product specifications	DP2K-32B
Options	Barco CineMate App (iOS & Android) - free 3D add-ons Touch screen monitor, inc. Barco Commander & Communicator Pedestal CineCare Web Auro 11.1 license Barco Escape license Dual-projector license Live 3D*** Ghostbusting*** *** Software roadmap

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