DP2K-10S

Small DLP Barco Alchemy Cinema projector for screens up to 10m (33ft) wide

GREEN EASY SERVICE

EASY CONTROL LOW TCO HFR MODULAR

SEALED 3D CINEMA COLOR BRIGHT

The DP2K-10S projector is a compact, fully integrated digital cinema projector designed for smaller theaters, boothless cinemas and single screens. By merging the projector and media server functionalities into one single projector module, the DP2K-10S Barco Alchemy projector is a full-fledged, **DCI-compliant projector and media-server solution** that includes **on-board storage**. Reducing the required hardware, it increases **simplicity and reliability** in the projection booth. And for additional reliability, the smart projector detects potential operational errors and warns users if, for instance, a scheduled show is missing assets or KDMs. 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.

Ultimate image quality

Built upon Barco's renowned DP2K cinema projectors, the DP2K-10S guarantees crisp images over time thanks to its acclaimed manual color convergence mechanism. While its standard Xenon lamps offer vibrant colors, its motorized lenses ensure a perfect image ratio at all times.

Low cost of ownership

Geared with integrated technology that drives operational and maintenance costs down, the DP2K-10S offers pristine images and ultimate reliability at a low TCO. As such, it is the perfect choice for exhibitors looking for a worry-free solution to go digital with a minimal hassle and risk.

The DP2K-10S 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-10S
Preliminary technical specifications. These are subject to change without prior notice.	
Digital MicroMirror Device™	3 x 0.69" DC2K dark metal devices
Native resolution	2,048 x 1,080 pixels
Housing	Hermetically sealed DMDs and optical assembly
Lamp	2.2kW, short-arc Xenon
Light output	9,000 lumens
Screen size	Up to 10m/33 ft wide (screen gain 1.2 @ 14ftl)
Contrast ratio	1,850:1
Prime lenses	Fully motorized 1.2 - 1.7 1.34 - 1.9 1.5 - 2.15 1.7 - 2.55 2.0 - 3.9
Control I/O	3x Ethernet (RJ 45) 8x GPIO (DB 25) 3D interface USB interface
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 1.1a (up to 4K 2D 60fps and 4K 3D 30fps)** 2x 3G-SDI inputs 1x HMDI 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.
Integrated storage	1.9TB effective storage (RAID-5) 3x 1TB 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 passive 3D Auro 11.1 decoding
Barco Communicator	Projector installation & configuration Projector update & maintenance
Power requirements	220 V
Projector dimensions (HxWxD)	325 x 626 x 925 mm 12.8 x 24.7 x 36.4 inch
Projector weight	Recessed handles for easy carrying 56.5 kg / 125 lbs for carrying (lamp-house removed) (66.5 kg / 147 lbs total weight)
Ambient temperature	35°C / 95°F Max.

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

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