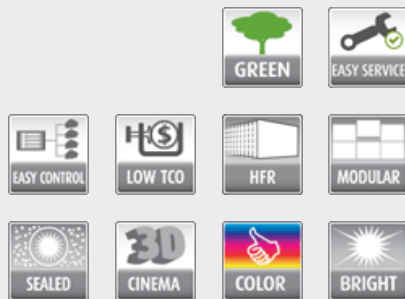


# DP2K-10S

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



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

**BARCO**

Visibly yours

**Product specifications****DP2K-10S**

Preliminary technical specifications. These are subject to change without prior notice.

<b>Digital MicroMirror Device™</b>	3 x 0.69" DC2K dark metal devices
<b>Native resolution</b>	2,048 x 1,080 pixels
<b>Housing</b>	Hermetically sealed DMDs and optical assembly
<b>Lamp</b>	2.2kW, short-arc Xenon
<b>Light output</b>	9,000 lumens
<b>Screen size</b>	Up to 10m/33 ft wide (screen gain 1.2 @ 14ftl)
<b>Contrast ratio</b>	1,850:1
<b>Prime lenses</b>	Fully motorized 1.2 - 1.7 1.34 - 1.9 1.5 - 2.15 1.7 - 2.55 2.0 - 3.9
<b>Control I/O</b>	3x Ethernet (RJ 45) 8x GPIO (DB 25) 3D interface USB interface
<b>Integrated Cinema Media Processor</b>	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 BarcoAlchemy projectors have the license standard included.
<b>Integrated storage</b>	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
<b>Barco Web Commander</b>	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
<b>Barco Communicator</b>	Projector installation & configuration Projector update & maintenance
<b>Power requirements</b>	220 V
<b>Projector dimensions (HxWxD)</b>	325 x 626 x 925 mm 12.8 x 24.7 x 36.4 inch
<b>Projector weight</b>	Recessed handles for easy carrying 56.5 kg / 125 lbs for carrying (lamp-house removed) (66.5 kg / 147 lbs total weight)
<b>Ambient temperature</b>	35°C / 95°F Max.
<b>Exhaust airflow</b>	140 – 180 CFM (4 – 5 m³/min)

## Product specifications

## DP2K-10S

### 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