

DP2K-18Cx

Turnkey digital cinema system



THIS PRODUCT IS ONLY AVAILABLE IN CHINA VIA CFG BARCO (BEIJING) ELECTRONICS CO. LTD.

More information via sales.gc@barco.com

DP2K-18Cx is a flexible solution for medium and large digital cinema auditoriums outfitted with screens up to 18m wide. The turnkey DP2K-18Cx system includes a DCI-compliant projector, a 4kW lamp, a cinema-grade lens, an Integrated Media Server with an Integrated Media Block and a user-friendly Server Management System.

Efficient operation and lowest cost

Operating the DP2K-18Cx is easy and straightforward thanks to its modular design. By maximizing the light output of standard digital cinema lamps, lamp operating costs are significantly lower. Since the DP2K-18Cx is a fully integrated digital cinema package it takes away the need to hook up, configure and calibrate different types of equipment during installation. This efficient operation translates into lower service costs and higher screen uptime.

Future-proof and flexible screen management

The integrated media server is future-proof as it is fully equipped to run both 2K and 4K content; and to support standard as well as high frame rates. The highly flexible media player is compatible with both JPGE2000 and MPEG2 content.

Standard network interfaces enable communication between the media server and Screen Management System (SMS), allowing screens to be centrally managed.

Undiminished image quality

Barco's patented, hermetically sealed optical engine not only prevents dust intrusion to guarantee longer lifetime and perfect image quality; it also enables the use of more cost efficient metal filters.

Fully DCI-compliant and 3D-compatible

The DCI-compliant DP2K-18Cx is ready to show all content in digital quality in your

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Visibly yours

Technical specifications

Availability	THIS PRODUCT IS ONLY AVAILABLE IN CHINA VIA CFG BARCO (BEIJING) ELECTRONICS CO. LTD More information via sales.gc@barco.com
Digital MicroMirror Device™	3 x 0.98" DC2K dark metal devices
Native resolution	2,048 x 1,080 pixels
Housing	Hermetically sealed DMDs and optical assembly
Lamp	1.2kW – 4kW
Light Output	17,350 lumens
Screen size	Up to 18m / 59ft wide (screen gain 1.8 @ 14ftl)
Contrast ratio	2,000:1
Digital Video Input	2 x DVI input both selectable as single and dual link
Integrated Media Block	<ul style="list-style-type: none"> • 2K & 4K DCP playback • High frame rates 2K 3D (48/60 fps/eye) (optional) • JPEG200 bit-rates up to 500 Mbps • MPEG-2 1080p (MP@HL) • 16x AES/EBU audio channels (2x RJ45) • 2x GETH for DCI content streaming • 2x SMPTE 292M inputs
Media Server	<ul style="list-style-type: none"> • 2TB effective storage (RAID-1 mirror) • 2x hot-swappable 3.5" hard-drives • 1x GETH for management • 1x GETH for DCI content streaming • 1x GETH for fast ingest
SMS Software	<ul style="list-style-type: none"> • Show player/editor/scheduler • Automation, 3D, ingest • Projector & playout: communicator & SMS integrated • TMS integration
Prime Lenses	1.2 - 1.8 1.4 - 2.05 1.6 - 2.5 1.95 - 3.2 2.4 - 3.9
Projector Diagnostics	via Integrated Media Server via Communicator control software via SNMP agent
Power Requirements	220V
Projector dimensions (HxWxD)	558 x 694 x 1034 mm 22.0 x 27.3 x 40.7 inch NB: min. 5 cm of air inlet spacing required at the bottom of projector
Projector weight	100 kg (220 lbs)
Ambient temperature	35°C / 95°F Max.
Options	High Frame Rates 3D ACS-2048 3D add-ons Touch screen monitor Pedestal