DP4K-23B

Ultra-bright Enhanced 4K DLP Cinema projector for screens up to 23m (75ft)

The Barco DP4K-23B is an ultra-bright Enhanced 4K cinema projector for screens up to 23m (75ft). Featuring Texas Instruments' **1.38" DLP Cinema® chip**, the DP4K-23B is specifically designed to ensure a razor-sharp movie experience on premium cinema screens.

Ultra-sharp image quality
The DP4K-23B combines this ultra-sharp image quality with an easy-to-use **modular** design, exceptional long lifetime and lowest cost of ownership.

Vibrant color accuracy
The top-of-the-line DP4K-23B brings stunning images in **Enhanced 4K resolution (4,096 x 2,160)**, combined with ultimate brightness and vibrant color-accuracy time after time.

Ultimate brightness
Thanks to its highly efficient optical design and patented **DMD cooling system**, the DP4K-23B is the brightest cinema projector in its class - your guarantee for an unequalled, premium cinema experience.

Also available as fully integrated DC package
The DP4K-23B projector is also available as fully integrated, ready-to-use projection and media server solution. This **DP4K-23Bx package** combines the Barco DP4K-23B projector with a Doremi ShowVault and IMB media server. The package offers a worry-free solution for all theaters that wish to go digital with a minimal hassle and risk. Another major plus is that this integrated system is compatible today with higher frame rates up to 120 fps in 2D and 60 fps in 3D, which makes it a perfect match for playing out Hollywood's upcoming HFR releases.

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Technical specifications

Digital MicroMirror Device™	3 x 1.38" DC4K dark metal devices
Native resolution	4,096 x 2,160 pixels
Housing	Hermetically sealed DMDs and optical assembly
Lamp	1.2kW - 4kW (Xenon lamp)
Light Output	24,500 lumens (4 kW lamp)
Screen size	Up to 23m / 75 ft wide
Contrast ratio	2,000:1 (typical value when using a high contrast lens)
Digital Video Inputs	Slot for 2 x SMPTE 292M inputs or 4K Integrated Media Block 2 x DVI input both selectable as single and dual link
Control I/O	Ethernet, 8x GPIO, Serial RS232
Prime Lenses	1.13 - 1.66 1.27 - 1.86 1.45 - 2.13 1.63 - 2.53 1.95 - 3.26 2.53 - 4.98 equivalent throw ratios for 4K 1.38" DMD
Projector Diagnostics	via PC touch panel via Communicator control software via SNMP agent
Power Requirements	200-240V 30A 50-60Hz 19,000 BTU/hr (with 4kW 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	134 kg (295 lbs)
Ambient temperature	35°C / 95°F Max.
Exhaust airflow	350 CFM
Standard Features	CLO (Constant Light Output) Powerful SNMP agent Motorized/memorized lens (focus, zoom & shift) HDCP support Full 2K triple flash 3D Advanced patented DMD cooling
Options	4K Integrated Media Block ACS-2048 3D add-ons Touch panel Pedestal

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Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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