

DP4K-P

4K digital postproduction projector



The DP4K-P postproduction projector is the world's first 4K DLP projector that meets the high-performance demands for postproduction, archiving, restoration and 4K color grading.

Ultimate image quality

To respond to the highly specialized needs of postproduction houses, the DP4K-P has been enhanced with several new components. It is equipped with a **dedicated 4K (4 x 3Gb/s) input board** which enables playback of native 4K content. Its **wide color gamut filter** creates a wide gamut for accurate color matching. And thanks to its **high-contrast lens**, the DP4K-P displays images with improved contrast.

Dedicated software for postproduction

What's more, the DP4K-P projector is bundled with a redesigned version of the **Barco Communicator software**. The overall look and feel of the Communicator interface is adapted to the dark environment in which it is used. Its intuitive menu structure is quick to navigate and all of the functionalities are conveniently **bundled into a single section**, which eliminates the need for extra training or additional tools. The dedicated software offers a **powerful input analysis** and enables **color correction per eye** for 3D content.

Powerful input analysis

When combined with the quad 3Gb/s input board, the Communicator software is turned into a powerful input analysis tool that enables you to visualize the MSB and LSB via a bit-depth analysis of the different inputs. You can also easily compare inputs through the split-screen analysis (diagonal, vertical, side-by-side and checker board). Thanks to these new features, you can do your job with an unprecedented level of accuracy.

BARCO

Visibly yours

Technical specifications

Digital MicroMirror Device™	3 x 1.38" DC4K dark metal devices
Native resolution	4,096 x 2,160 pixels
Housing	Hermetically sealed DMD and optical assembly
Lamp	2kW included (Xenon)Up to 4kW possibleCompatible with models from all major brands
Light Output	4,000 lumens (10% deviation possible)
Screen size	Up to 6.5 m (21 ft)
Brightness uniformity	80% at sides, 75% at corners
Color uniformity	Meets the DCI/SMPTE 431-1 specs
Native contrast ratio	Target: 2,300:1 Min: 2,100:1
Color gamut	native red: x = 0.7; y = 0.3 native green: x = 0.2; y = 0.76 native blue: x = 0.145; y = 0.04
Digital Video Inputs	4 x 3Gb/s HD-SDI inputs (max. two single-link HD-SDI, one dual-link HD-SDI or one quad link 4K) 2 x DVI input
Control I/O	Ethernet 8x GPIO Serial RS232
Projector Diagnostics	Via Communicator postproduction software (included) Via PC touch panel (optional) Via SNMP agent
Prime Lenses	1.13 - 1.31 1.31 - 1.86 1.45 - 2.13 1.63 - 2.53 1.95 - 3.26 (equivalent throw ratios for 4K 1.38" DMD)
Power Requirements	200-240 V 30 A 50-60 Hz
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
Exhaust airflow	350 CFM
Options	ACS-2048 3D add-ons Touch panel Pedestal