

# 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 is 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 comes 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 and its intuitive menu structure is quick to navigate. The dedicated software 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).

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**Product specifications****DP4K-P**

<b>Digital MicroMirror Device™</b>	3 x 1.38" DC4K dark metal devices
<b>Native resolution</b>	4,096 x 2,160 pixels
<b>Housing</b>	Hermetically sealed DMD and optical assembly
<b>Lamp</b>	2kW included (Xenon)Up to 4kW possibleCompatible with models from all major brands
<b>Light output</b>	4,000 lumens (10% deviation possible)
<b>Screen size</b>	Up to 6.5 m (21 ft)
<b>Brightness uniformity</b>	80% at sides, 75% at corners
<b>Color uniformity</b>	Meets the DCI/SMPTE 431-1 specs
<b>Native contrast ratio</b>	Target: 2,300:1 Min: 2,100:1
<b>Color gamut</b>	native red: x = 0.7; y = 0.3 native green: x = 0.2; y = 0.76 native blue: x = 0.145; y = 0.04
<b>Digital Video Inputs</b>	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
<b>Control I/O</b>	Ethernet 8x GPIO Serial RS232
<b>Projector diagnostics</b>	Via Communicator postproduction software (included) Via PC touch panel (optional) Via SNMP agent
<b>Prime lenses</b>	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)
<b>Power requirements</b>	200-240 V 30 A 50-60 Hz
<b>Dimensions</b>	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
<b>Weight</b>	134 kg (295 lbs)
<b>Ambient temperature</b>	35°C / 95°F
<b>Exhaust airflow</b>	350 CFM
<b>Options</b>	ACS-2048 3D add-ons Touch panel Pedestal