

D-Cine Premiere DP90P



Dedicated Post Production projector

The Barco DP90P is the only digital cinema projector on the market today, specifically designed and built to meet the enhanced performance needs of the post production market.

Based on 2k DLP Cinema™ technology from Texas Instruments, the DP90P projector is the first dedicated post production projector to enable an enhanced color gamut, significantly exceeding the current DCI recommended color space. When combined with a Post Production edition of the D-Cine Communicator software, this increased color space provides the production professional with the tools to perform at the highest level.

The DP90P comes fitted with a motorized lens holder and CLO software which ensures constant light output of the projector over time.

Key benefits include:

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| • Increased detail in low light images thanks to: | Contrast ratio of 2500:1 |
| • Improved brightness uniformity through: | A guaranteed brightness uniformity of 80% |
| • Greater freedom for colorist & director through: | Wide color gamut exceeding current DCI and SMPTE recommendations |
| • Ability to create 2D & manage custom-built 3D look-up tables with: | D-Cine Communicator (post production edition) |



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D-Cine Premiere DP90P specifications

Digital Micro Mirror Device™	3 x 1.2" dark metal type Advanced DLP Cinema™ signal processing with built-in 3D look-up table
Native resolution	2048 x 1080
Dust protection	Hermetically sealed optical engine (DMD™ + prism)
DMD temperature management	Liquid Cooling Peltier heat extraction
Mounting	Standing or ceiling mounted Up to 7 degrees tilt via projection head
Lamp	1.5k to 4.0k Xenon arc lamp sizes Compatible with standard and high performance lamp types
Brightness (at 14ftL and gain = 1.5) (without anamorphic)	Meets or exceeds SMPTE screen brightness standards up to 10m (32.8ft) wide
Uniformity	Exceeds the DCI and SMPTE draft recommendations (> 80%)
Contrast ratio	2500:1
Digital Video Inputs	2 x SMPTE 292M inputs and 2 x DVI input, both selectable as single or as dual link
Standard features	Motorized lensholder CLO software
Prime lenses	M25 1.25 - 1.45:1 / M25 1.45 - 1.8:1 / M25 1.8 - 2.4:1 / M25 2.2 - 3.0:1 zoom and M25 3.0 - 4.3:1
Extended color space	Exceeds the current DCI and SMPTE recommended color space
Native color points	native red: x = 0.7 y = 0.3 native green: x = 0.2 y = 0.76 native blue: x = 0.145 y = 0.040
Projector diagnostics	Via touch screen Via D-Cine Communicator control software Post production edition standard with every product Via SNMP agent
Power requirements	1 x 220V max. 17,000 BTU/hr (with 4kW lamp)
Dimensions	<i>projector:</i> 640(H) x 730(W) x 1170(D) mm / 24.2(H) x 28.7(W) x 46.1(D) inch <i>powerbox:</i> 295.3(H) x 329.5(W) x 473.7(D) mm / 14.6(H) x 13.0(W) x 18.6(D) inch
Weight	<i>projector:</i> approx. 120kg (265lb) <i>powerbox:</i> approx. 20kg (44lb)
Options	<ul style="list-style-type: none"> • Anamorphic lens fitting for 1.25:1 scope lens • Acsar 2 Alternative Content Input Processor • ImagePRO HD • SNMP agent (v3)
Order information	R9004441



Digital Light Processing, DLP,
Digital Micromirror Device, DMD
and DLP Cinema are trademarks
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The information and data given are typical for the equipment described.
However any individual item is subject to change without any notice.
The latest version of this product sheet can be found on www.barco.com.

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