

D-Cine Premiere DP40

The Digital Cinema Experience



Incorporating the state-of-the-art Texas Instruments' DLP Cinema™ technology exclusively approved by Hollywood for feature film display the D-Cine Cinema projectors range combines a choice of 35mm lamp consoles with Barco's world leading optical expertise for true Digital Cinema displays of exceptional performance.

Stunning 'Premier' quality film-like images delivered to your cinema without jitter, weave, scratches, flicker or ghosting. Bright, clear and even. First time, every time.

The highly integrated Barco DP40 combines the benefits of convenient and flexible lamphouse installation with the exceptional performance of D-Cine, the world's most advanced Digital Cinema projector head.

D-Cine Digital Head

- 3 high contrast, liquid cooled Digital Micromirror Devices(tm)
- Twin anamorphic lens design for fast changeover between 1.85 and 2.39 format displays
- Dust proof design for consistently clean, high contrast images
- 24p frame per second display

Kinoton Lamphouse

- Modular construction for convenient installation and the most stable picture display.
- 8u high 19" rack for control panel and ACSAR alternative content input switcher
- Supplied with push button control panel and LED status indication as standard
- Sturdy, space saving design

BARCO

Visibly yours

Technische Daten

DMDTM-Chip	3 x high resolution SXGA DLP CinemaTM DMD Dark Metal 3 type.
Gehäuse	Dust-proof; fitted with a quick-change air inlet filter and incorporating a hermetically sealed optics and DMD assembly.
Kühlung	Integrated 3 chip active liquid cooling system and heat exchanger. Temperature alarms indicate out of range operation and/or shutdown lamp power supply
Auflösung	1280 x 1024 per Red, Green and Blue channels - equivalent to 3.9 million pixels.
Kontrast	1350:1 (full white / full black).
Color-Processing	<ul style="list-style-type: none"> • Bit depth: 45 bit (15 bit per color). • Color Shades: 35 trillion. • Color Gamut: 40% better than HDTV (equivalent to film).
Digitale Video-Eingänge	<ul style="list-style-type: none"> • 2 x SMPTE 292M inputs, Selectable individually or as a linked pair. • Dual port to support future digital cinema formats. • Single port compatible with the formats listed below.
Grafikeingang	DFP (Digital Flat Panel) interface, 24 bit RGB, 1280 x 1024, with frequency range 23 - 96 Hz. DVI standard resolutions (640x480, 1024x768 and 1280x1024). Also supports non-standard packaging at 10 or 12 bit per color.
Bedienungs-Interface	RS232/RS422 Serial
Bildkontrolle	D-Cine Premiere communication software for projector, lens and source set-up plus display geometry (resizing) and masking (cropping) and color calibration.
Sicherheit	High security image processing card frame equipped with Dallas key and 6 Pin number code protection system. Optional fully integrated video and audio decoder.
Stromversorgung	Digital head, cooling pump and touch screen; Auto ranging 90-240V
Gewicht	Digital head and standard single anamorphic lens holder (excluding lens): 52kg / 115lb
Diagnosen	Digital head temperature / fan speed / status/ liquid cooling / electronic power supply. Display: RC567 touch screen panel or via Ethernet.