

# D-Cine Premiere DP50

The Digital Cinema Experience



Incorporating the State-of-the-Art high contrast Texas Instruments DLP Cinema™ Dark Metal 3 MicroMirror Device – exclusively approved by Hollywood for digital projection – D-Cine Premiere combines the reference Kinoton lamp console with a unique range of advanced display, control and operating features that guarantee Digital Cinema projection of truly exceptional performance.

Film-like images that are consistently bright, clear and even; ‘Premiere’ quality images without jitter, weave, scratches, flicker or ghosting. First time, every time... Just as the Cinematographer intended.

#### **D-Cine Premiere Digital Head**

- 24p frame per second display for a natural film look
- Sealed optics and dust proof digital head for consistently clean, bright, high contrast images
- Active liquid cooling system with auto shutdown protection
- Single and twin anamorphic lens attachments for quick display format change
- Optional CLO (Constant Light Output) control
- Optional fully integrated tamper evident decoding

#### **Lamp-house**

- Based on the industry reference Kinoton FP50D lamp console
- Meets or exceeds SMPTE screen brightness standards up to 20m (66Ft ) wide.
- Automatic Dowser
- Local and remote touch-screen projector control options
- Local and remote (Ethernet) diagnostics

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## Spécifications techniques

Digital MicroMirror Device™ (matrice de micro-miroirs numériques)	3 x high resolution S-XGA DLP Cinema™ DMD™ Dark Metal 3 type
Boîtier	Dust-proof; fitted with a quick-change air inlet filter and incorporating a hermetically sealed optics and DMD assembly
Refroidissement	Integrated 3 chip liquid cooling system and heat exchanger. Temperature alarms indicate out of range operation and/or shutdown lamp power supply.
Résolution	1280x1024 per Red, Green and Blue channels; equivalent to 3.9 million pixels.
Contraste	1350:1 (full white / full black)
Traitement des couleurs	<ul style="list-style-type: none"> <li>• Bit depth: 45 bit (15 bit per color)</li> <li>• Color Shades: 35 trillion</li> <li>• Color Gamut: 40% better than HDTV (equivalent to film)</li> </ul>
Entrée vidéo numérique	<ul style="list-style-type: none"> <li>• 2 x SMPTE 292M inputs, Selectable individually or as a linked pair.</li> <li>• Dual port to support future digital cinema formats</li> <li>• Single port compatible with the formats listed below</li> </ul>
Entrée graphique	DFP (Digital Flat Panel) interface, 24 bit RGB, 1280 x 1024, with frequency range 23 - 96 Hz DVI standard resolutions (640x480 and 1024x768 and 1280x1024). Also supports non-standard packaging at 10 or 12 bit per color
Interface de commande	RS232/RS422 for RC567 D-Cine Premiere controller and PC set-up software or 100 base T Ethernet.
Contrôle de l'image	D-Cine Premiere communication software for projector, lens and source set-up plus display geometry (resizing) and masking (cropping) and color calibration.
Sécurité	High security image processing card frame equipped with Dallas key and 6 Pin number code protection system. Optional fully integrated video and audio decoder.
Alimentation	Digital head, cooling pump and touch screen; Auto ranging 90-240V
Poids	Digital head and standard single anamorphic lens holder (excluding lens); 52kg / 115lb
Diagnostics	Digital head temperature / fan speed / status/ liquid cooling / electronic power supply. Display; RC567 touch screen panel or via Ethernet.
Lentilles	Prime All focal lengths covered by a wide range of fixed focal length and zoom lenses. X, Y and Z (focus) adjustment Focus range: +/- 10mm from nominal position Shift range: 35% of screen height in all directions Anamorphic Lenses 1.5 (flat) and 1.9 (scope) options X, Y and Z adjustment Lens Mounting Single anamorphic lens mount included; Dual lens mount option.
Boîtier de lampe	Type Kinton, FP50D console Illumination Optional 2kW, 3kW, 5kW, and 7kW Xenon Arc lamp depending on screen size Reflector Standard f2.0 dichroic glass type Power Supply Lamp power supply - EUR version IREM 3-7 kW three phase 360-460V 50 Hz Lamp Power supply - USA version IREM 3-7kW three phase 187-230V 60 Hz Projector control 4 x LED status indicators: OK / Power / Communication and Alarm 4 push button control of digital head modes 4 user definable lamp house or automation controls 4 general purpose relays

## Options

### Digital Head

- Decoder - Fully integrated, tamper-evident, Qualcomm Image Decoder
- CLO - Constant Light Output processing
- PC Input - For direct connection of a PC input to the digital head. Dual Anamorphic Lens fitting – for 1.5x and 1.9x lenses

### Remote Touch Screen Projector Control

Highly integrated remote control of the operations of the D-Cine Premiere plus a diagnostics display and automation interface.

### ACSAR Alternative Content Switcher and Router

A powerful scaler and router, designed to convert any analogue or digital signal to the DVI digital input of the D-Cine Premiere digital head.

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Les spécifications techniques sont susceptibles d'être modifiées sans préavis.  
Veuillez consulter les dernières informations disponibles sur [www.barco.com](http://www.barco.com).

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