

D-Cine Premiere DP50

The Digital Cinema Experience



Product specifications**D-CINE PREMIERE DP50**

General specifications	
Digital MicroMirror Device™	3 x high resolution S-XGA DLP Cinema™ DMD™ Dark Metal 3 type
Housing	Dust-proof; fitted with a quick-change air inlet filter and incorporating a hermetically sealed optics and DMD assembly
Cooling	Integrated 3 chip liquid cooling system and heat exchanger. Temperature alarms indicate out of range operation and/or shutdown lamp power supply.
Resolution	1280x1024 per Red, Green and Blue channels; equivalent to 3.9 million pixels.
Contrast	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)
Digital Video Input	<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
Graphics Input	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
Control Interface	RS232/RS422 for RC567 D-Cine Premiere controller and PC set-up software or 100 base T Ethernet.
Image Control	D-Cine Premiere communication software for projector, lens and source set-up plus display geometry (resizing) and masking (cropping) and color calibration.
Security	High security image processing card frame equipped with Dallas key and 6 Pin number code protection system. Optional fully integrated video and audio decoder.
Power supply	Digital head, cooling pump and touch screen; Auto ranging 90-240V
Weight	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.

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Lenses	<p>Prime</p> <p>All focal lengths covered by a wide range of fixed focal length and zoom lenses. X, Y and Z (focus) adjustment</p> <p>Focus range: +/-10mm from nominal position</p> <p>Shift range: 35% of screen height in all directions</p> <p>Anamorphic Lenses</p> <p>1.5 (flat) and 1.9 (scope) options</p> <p>X, Y and Z adjustment</p> <p>Lens Mounting</p> <p>Single anamorphic lens mount included; Dual lens mount option.</p>
Lamp house	<p>Type</p> <p>Kinoton, FP50D console</p> <p>Illumination</p> <p>Optional 2kW, 3kW, 5kW, and 7kW Xenon Arc lamp depending on screen size</p> <p>Reflector</p> <p>Standard f2.0 dichroic glass type</p> <p>Power Supply</p> <p>Lamp power supply -EUR version</p> <p>IREM 3-7 kW three phase 360-460V 50 Hz</p> <p>Lamp Power supply -USA version</p> <p>IREM 3-7kW three phase 187-230V 60 Hz</p> <p>Projector control</p> <p>4 x LED status indicators: OK / Power / Communication and Alarm</p> <p>4 push button control of digital head modes</p> <p>4 user definable lamp house or automation controls</p> <p>4 general purpose relays</p>
Options	<p>Digital Head</p> <ul style="list-style-type: none">• 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 <p>Remote Touch Screen Projector Control</p> <p>Highly integrated remote control of the operations of the D-Cine Premiere plus a diagnostics display and automation interface.</p> <p>ACSAR Alternative Content Switcher and Router</p> <p>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.</p>

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