



Project your Future

The SLH-D cinema system is a powerful digital cinema projector utilising the latest advancements in DLP-Cinema™ technology (the only digital projection technology to be endorsed by Hollywood) to offer a truly cinematic experience for digital movies.

The SLH-D provides natural film-like, 24 frames per second, motion without jump, weave, fading, flicker or ghosting. Filling the entire cinema screen with consistently bright, high quality images: from a movie's premiere to its one thousandth screening - the movie remains digitally perfect each and every time.

Christie Digital Systems has an established reputation for delivering innovative, reliable and commercially viable digital projection systems. In partnership with Texas Instruments as their first DLP-Cinema licensee, we have developed a 3-DMD "Dark Mirror" assembly that insures greater thermal stability, offering improved projection performance over extended periods of projection (common in first-week screenings) and at higher illumination levels than competitor systems.

Furthermore, we are the only DLP-Cinema licensee with a proud heritage in mainstream film projection for cinema. A heritage that includes awards from the Academy of Motion Picture Arts & Sciences for our 35mm gearless film projector and endless-loop film system (ELF).

Our customers benefit from our unique position and are able to utilize existing resources and our projection expertise to bring the advantage of digital cinema to their theatres - without the need to modify existing projection booths. No wonder then that of the thirty-two Texas Instrument DLP-Cinema reference sites, thirty-one use Christie's cinema consoles.

SLH-D, the perfect cinema experience, time after time, after time

- ▶ Proven cinema console design
- ▶ Optimised optical integrator provides superior image uniformity, exceeding SMPTE requirements
- ▶ Lamp house and pedestal provide for angle and levelling adjustments
- ▶ Motorised lamp and douser controls allows precise light control to the cinema head
- ▶ Connectivity to the majority of theatre automation systems (TAS)
- ▶ Local control panel for intuitive set up and diagnostics
- ▶ Answer-print quality for every screening
- ▶ Additional dichroic filter offers expanded color gamut required by movie screenings.
- ▶ 3-DMD "Dark Mirror" assembly delivers increased thermal stability
- ▶ No jump, weave, scratch, flicker, fade or ghosting – just consistent film-like images.
- ▶ A complete range of zoom lenses for a wide range of cinema applications
- ▶ High contrast display >1000:1 on/off

Light Output at center

- ▶ 12fL up to 18 m (60ft.)

Contrast

- ▶ 1000:1 (full white / full black)

Brightness uniformity

- ▶ Within 90% displaying full white screen

Pixels

- ▶ 1280 x 1024 per Red, Green and Blue channels; equivalent to 3.9 million pixels

Bit Depth

- ▶ 42 bit (3X 14-bit resolution)

Number of Colors

- ▶ 4.4 trillion

Imaging Panel

- ▶ Digital MicroMirror Device S-XGA DLP Cinema (Black Chip) DMD

Light Engine**Available Illumination**

- ▶ 4.5kW and 6kW Xenon Arc lamp depending on screen size

Cooling

- ▶ 3 chip liquid cooling system and heat exchange

Cinema Head**Digital Video Input**

- ▶ SMPTE 292M (all interlaced sources are encoded with 3:2 pulldown)
- ▶ SMPTE 274M 1920 x 1080i in 60Hz interlaced, 24P or 24 SF
- ▶ SMPTE 260M 1920 x 1035i in 60Hz interlaced
- ▶ SMPTE 296M 1280 x 720p in 60Hz progressive

Graphics Port

- ▶ VESA Digital Flat Panel (DFP)

Lenses

- ▶ Variable focal length, either 2.0-3.2 or 3.2-5.6 throw ratio

Anamorphic Lenses

- ▶ 1.5x squeeze, 1.9x squeeze attached with twin lens adapter

Weight

- ▶ Digital head and anamorphic lens holder (without lenses): 75 lbs

Lamphouse Console: SLH-D**Reflector**

- ▶ Standard f1.5.0 electroformed nickel

Power Range

- ▶ 4-7kw operation Xenon Lamp type: CXL-40, -45, -60, -70 or PXL-45Z, -60Z

External extraction required

- ▶ 4kw=450-550CFM, 4.5kW=500-600CFM, 6kW=700-800CFM, 7kW=800-900CFM

Input AC Power

- ▶ 115VAC, 3A

Input DC Power

- ▶ 26-37VDC, 90-180A

Reflector type

- ▶ 16" Compound, f/1.5, DCC coated

Safety interlocks

- ▶ Operating side door, Non-operating side door, intake blower, exhaust stack

Indicators

- ▶ Three phase power, interlock OK, DC current, DC voltage

Douser closed switch

- ▶ N.O. single contact tilt switch for power supply switching to standby

Manual controls

- ▶ DC on, igniter strike, hand douser open/close

Lamp adjust

- ▶ Motorised three axis, 0.5" range all axis

IGA-15M ignitor

- ▶ 50-80kV ignition pulse, 200A DC rating, auto-strike, time-out feature

Input connector

- ▶ 10 position clamping screw terminal, 20A @ 115VAC rated, 10AWG max wire gauge

Lamphouse Weight

- ▶ 170lbs (77.1kg)

Cooling

- ▶ Forced air

Power Supply and Pedestal

- ▶ 7kW ThyristorKCCX-180CR Three Phase Input: 180v/240v, 32A or 380v/440v, 16A

Output Current

- ▶ 100-190A

Output Voltage

- ▶ 32-41VDC

Standby mode range

- ▶ 20-140A

Power Supply Weight

- ▶ 91kg (200 lbs)

Cooling

- ▶ Forced air

Breakers

- ▶ 30A (<4kW) or 40A (4-7kW) three phase for power supply. 15A single phase for other breakers

Pedestal Weight

- ▶ 90kg (197lbs) W/O power supply

Input connector

- ▶ 5 position clamping screw terminal (L1,L2,L3,N,G), 55A@115VAC rated, 6AWG max wire gauge

Downward Tilt

- ▶ 6 degree internal, additional with levelling feet

Other

- ▶ 4" Casters, leveling feet, blanking panels for sides and rear, locking hinged access door, internal or external mounting of water circulator

**Internal Rack Space**

- ▶ 4RU from operator side, 4RU from rear

Ambient Temp

- ▶ 0-35°C 32-95F

Warranty

- ▶ 1 year parts and labor

Due to constant research, specifications are subject to change without notice

CHRISTIE
DIGITAL SYSTEMS

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