The Exhibitor's Choice for Digital Cinema

The Christie DCP-H cinema system is a powerful digital cinema projector utilizing the latest advancements in DLP™ Cinema Technology (the only digital advanced technology to be endorsed by Hollywood) to offer a truly cinematic experience for digital movies.

Christie is the preferred choice and solutions supplier to the world’s foremost exhibition communities and the world’s single source in manufacturer of cinema projection products for 35mm and Digital Cinema. It’s no surprise; of the thirty-two Texas Instrument DLP™ Cinema reference sites, thirty-one use Christie’s cinema lamphouses.

The DCP-H provides natural film-like, 24 frames per second motion images 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.

As the first DLP™ Cinema licensee, Christie has developed a 3-DMD™ “Digital Micromirror Device” assembly that insures superior image stability and offers improved projection performance at higher illumination levels.

Christie maintains a proud heritage in mainstream film production, a heritage that includes awards from the Academy of Motion Picture Arts and Sciences for our 35mm gearless film projector and endless-loop film system (ELF).

Christie - The Exhibitor's Choice for Digital Cinema.

APPLICATIONS

- Cinema and post-production houses
- Multi-media theatrical productions
- On-screen advertising
- Other large entertainment venues
- Advanced Ethernet Touch Screen Control Panel with comprehensive set-up and diagnostic capabilities
- New color management system guarantees consistent image quality and color accuracy
- Better than release print quality
- High native contrast ratio 1350:1
- A proven, reliable cinema lamphouse and pedestal design
- Connectivity to the majority of theater automation systems (TAS)
- Supports new file format inter-operability with existing servers
- A complete range of zoom lenses for a wide range of cinema applications
- Optional Cine-IPM accommodates the input of non-cinema content analog/graphic or HDTV sources
- Lamphouse and pedestal provide for angle and leveling adjustments
- Better than release print quality
- High native contrast ratio 1350:1
- A proven, reliable cinema lamphouse and pedestal design
- Connectivity to the majority of theater automation systems (TAS)
- Supports new file format inter-operability with existing servers
- A complete range of zoom lenses for a wide range of cinema applications
- Optional Cine-IPM accommodates the input of non-cinema content analog/graphic or HDTV sources
- Lamphouse and pedestal provide for angle and leveling adjustments
- Advanced Ethernet Touch Screen Control Panel with comprehensive set-up and diagnostic capabilities
- New color management system guarantees consistent image quality and color accuracy
- Better than release print quality
- High native contrast ratio 1350:1
- A proven, reliable cinema lamphouse and pedestal design
- Connectivity to the majority of theater automation systems (TAS)
- Supports new file format inter-operability with existing servers
- A complete range of zoom lenses for a wide range of cinema applications
- Optional Cine-IPM accommodates the input of non-cinema content analog/graphic or HDTV sources
- Lamphouse and pedestal provide for angle and leveling adjustments
**DCP-H • Specifications**

**Cinema Head**
- Light output meets SMPTE standard 12L (film 16L open gate) for screens 16m (up to 50ft width)
- Contrast (sequential) 1350:1 (full white/full black)
- ANSI 400:
- Brightness uniformity within 90% displaying full white screen
- Pixels 1280 x 1024 per Red, Green and Blue channels; equivalent to 3.9 million pixels
- Digital Micromirror Device SXGA DLP™ Cinema (Black Chip) DMD™ Light Engine
- Cooling: 3-chip liquid cooling system
- Number of colors: 35 trillion

**DCP - Touch Screen Controller**
- Display 5.7” QVGA Touch Screen Panel
- Width 7.7” (195mm) / Height 5.8” (148mm) / Depth 1.6” (40mm)
- Weight: 1.57 lbs (0.8 kg)
- I/O 1 ethernet port (10 base-T)
- Power input 24 VDC, 2.2A maximal
- EMU FCC Class B certified
- CE certified
- BSMI certified

**System Level Specifications**
- Ambient system operating temperature: 10° - 40° C
- Overall system dimensions: 24.5” W x 62” L x 72.8” H
- 62.2cm W x 157.5cm L x 184.9cm H

**Digital Video Input (Cinema Head)**
- SMPTE 292M (all interfaced sources are encoded with 3:2 pulldown)
- SMPTE 21/274M: 1920 x 1080i in 60Hz interlaced, 1080 24p or 24psf
- SMPTE 260M: 1920 x 1080i in 60Hz interlaced
- SMPTE 296M: 1280 x 720p in 60Hz progressive
- Graphics port (DVI) Digital Video Interface
- Zoom 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) (39.7 kg) 100 lbs

**Lamphouse Model SLH-D**
- Power Range 4-7kW operation
- Xenon Lamp type CXL-4.0, CXL-4.5, CXL 6.0 lamps
- External extraction required 4.5kW = 550-600CFM, 6kW = 750-900CFM
- Input AC power 115 VAC, 3A
- Input DC power 26-37 VDC, 90-180A
- Reflector type 16” compound, f/1.5, DCC coated

Pedestal Specifications
- 7kW Thyristor KCX-180CR three phase input 180V/240V, 32A or 380V/440V, 16A
- Output current: 100-190A
- Output voltage: 32-41 VDC
- Standby mode range: 20-140A
- Power supply weight: 200 lbs (91 kg)
- Cooling: forced air
- Ambient temperature: 10°-40° C
- Breakers 30A (<=4kW) or 40A (4-7kW) three phase for power supply, 15A single phase for other breakers
- Pedestal weight: 197 lbs (90 kg)
- WO power supply
- Input connector: 6 position
- Power input 24 VDC, 2.2A maximal
- EMU FCC Class B certified
- CE certified
- BSMI certified

**Safety**
- CSA C22.2950 (M94) approved to UL 1950 by NRTL (Semko) EN60950
- EMC: FCC Part 15 Class A Conducted Radiated Emissions
- CISPR 22 Class A Conducted Radiated Emissions
- EMC immunity: EN55024

**Features**
- Connectivity to the majority of theater automation systems (TAS).
- A proven, reliable cinema lamphouse and pedestal design.
- The DCP-H provides natural, film-like, 24 frames per second motion images without jump, weave, fading, flicker or ghosting.

---

**Head Offices**
- USA
  - 16550 Camden Drive
  - Cypress, CA 90630
  - Ph: +1 714-236-8610
  - Fx: +1 714-503-3385
  - Toll free: (800) 407-7727 (NA only)
  - sales-us@christiedigital.com
- CANADA
  - 809 Wellington Street North
  - Kitchener, Ontario - N2G 4Y7
  - Ph: +1 519-744-8005
  - Fx: +1 519-749-3136
  - Toll free: (800) 265-2171 (NA only)
  - sales-canada@christiedigital.com

**Branch Offices**
- UNITED KINGDOM
  - Ph: +44 118 977 8000
  - Fx: +44 118 977 8100
  - sales-europe@christiedigital.com
- SINGAPORE
  - Ph: +65 6877-8737
  - Fx: +65 6877-8747
  - sales-singapore@christiedigital.com
- FRANCE
  - Ph: +33 (0) 1 47 48 28 07
  - Fx: +33 (0) 1 47 48 26 06
  - Mobile: +33 (0) 6 76 47 43 62
  - sales-france@christiedigital.com
- GERMANY
  - Ph: +49 2161 664540
  - Fx: +49 2161 664546
  - sales-europe@christiedigital.com
- CHINA
  - Ph: +86 21 6278 7708
  - Fx: +86 21 6278 7707
  - sales-china@christiedigital.com

---

**Copyright 2002 Christie Digital Systems, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders.**

**MIL5129**

**WWW.CHRISTIEDIGITAL.COM**

---

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