



CHRISTIE CP Series

Making Exhibition Easy

Uses

- Cinema/exhibition
- Post-production
- On-screen advertising
- Digital film mastering
- Multi-media theatrical productions
- Large entertainment venues

Christie's CP Series projectors are the world's most comprehensive Digital Cinema solutions.

Designed to fulfill the requirements as specified by DCI for a superior cinematic experience, the Christie CP Series delivers high-performance projection for a variety of screen sizes utilizing the most advanced technologies available today.

Christie's CP Series projectors set a new level of performance for Digital Cinema technology. Choices in brightness levels and power levels offer flexibility for a variety of screen sizes in existing theatre infrastructure.

Christie's digital solutions speak directly to exhibitors' requirements – easy to use, easy to install and easy to own.

CP Series

Easy to install. Easy to use. Easy to own.



Christie's Digital Cinema projectors light up screens around the world with the latest digital releases from major studios.

Coupled with a highly efficient Illumination Optical System (IOS™), the CP Series delivers brightness performance exceeding standard high-definition quality. High efficiency compound glass reflectors with improved focal point, reduced thermal signature and higher light output create stunning images with greater than high-definition resolution. Christie's proprietary design ensures the highest quality color reproduction.

Easy to install.

The flexible design of the CP Series allows upgrades to future versions, and the modular two-piece design of projector and pedestal requires no optical alignment, minimizing valuable time required for installation and set-up. The CP Series projectors can integrate into any standard theatre environment and be operational in an hour.

Easy to use.

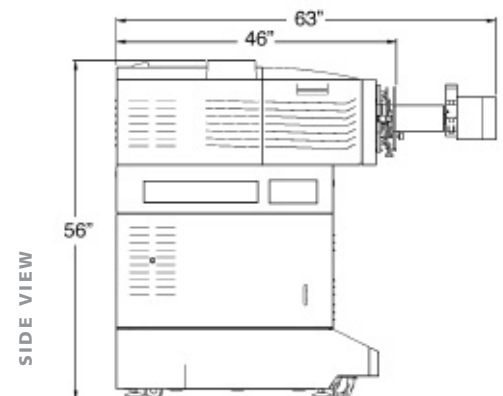
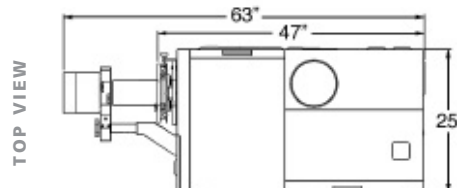
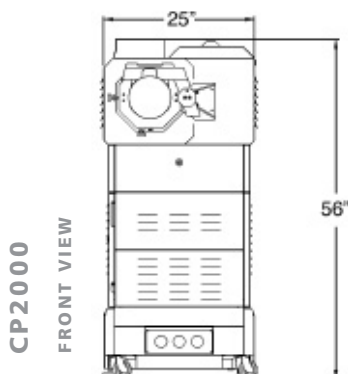
The CP Series interfaces to Digital Cinema servers and third party peripherals through

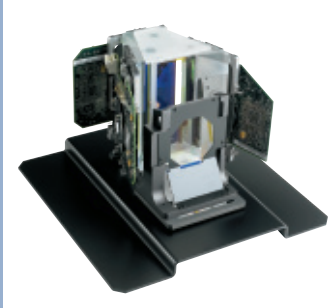
Ethernet connectivity. No special tools or interfaces are required. Christie's LampLOC™ lets you align the lamp at the touch of a button, maximizing brightness in seconds. Christie's proprietary dust sealing technology, LAD, prevents dust contamination of critical system components and eliminates the need for cleaning. LiteLOC™ ensures constant brightness on the screen over time. The System Supervisor Module (SSM™) provides remote system diagnostics as well as monitoring via the Touch Panel Controller (TPC™).

Easy to own.

The CP Series provides a dramatic overall reduction in system operating costs when compared to 35mm projection. With the improved performance of CDXL short-art xenon lamps, purpose-built for Digital Cinema applications, the power consumption of the CP Series projectors is lower than traditional 35mm projectors for the equivalent brightness performance. Less maintenance and less service points are required. And 35mm film projectionists can perform system operation and set-up.

TECHNICAL SPECIFICATIONS





A 6-element prism with Christie's proprietary IOS™ ensures the highest quality color reproduction.



Christie's Touch Panel Controller (TPC™) provides system set-up and control of the projector via Ethernet.

Additional Features

CP2000 Series (S)

- 2kW-7kW switching ballast
- ChristieNET™ networking for monitoring and control
- Optional anamorphic lens (1.26:1) available by customer preference
- Can be installed in parallel with existing film projectors
- Provides interface to 3rd party automation through an extensive library of ASCII based serial / ethernet commands
- Incorporates a two-piece projector + pedestal design with secure access

CP Series Touch Panel Controller

- 5.7" QVGA Touch Screen Display Panel with user definable preset buttons and real-time display of critical projection system information, lamp status, DMD temperature, interlocks, ballast condition, event and error log
- Touch Panel Controller buttons for optimized lamp position (LampLOC™) and constant brightness over time (LiteLOC™)
- 7.7 W x 5.8 H x 1.6" D (195 W x 148 H x 40mm D)
- Ethernet port (100 base-T)
- Power input 24VDC, 0.5A maximum
- EMI FCC Class B certified
- CE certified
- BSMI certified

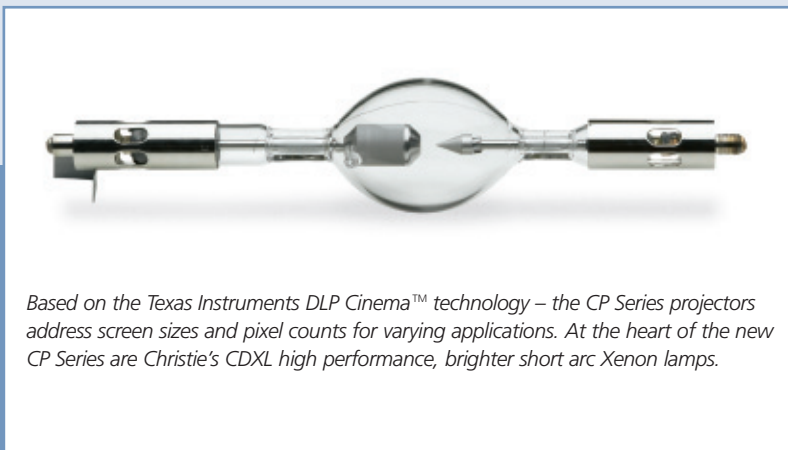
Control

- PC set-up via Ethernet (1) and RS-232 serial connection

Management

- Christie CP Series Librarian communication software allows projector set-up, calibration, masking, cropping and image resizing

	Christie CP2000S
DMD™ Resolution	2048 x 1080
DMD Size	1.2"
Lamp Type	CDXL 2kW-6kW
Contrast Ratio (ANSI lumens)	+500:1
Contrast Ratio (Full Field)	+2000:1
Screen Size	Up to 82ft/25m
Ballast	2kW-7kW Switching
Color Resolution	15-bit RGB



Based on the Texas Instruments DLP Cinema™ technology – the CP Series projectors address screen sizes and pixel counts for varying applications. At the heart of the new CP Series are Christie's CDXL high performance, brighter short arc Xenon lamps.

Christie CP Series Specifications

Cinema/exhibition, post-production houses, on-screen advertising, digital intermediate film mastering, multi-media theatrical productions, other large entertainment venues.

BRIGHTNESS (MEASURED AT SCREEN CENTER)

- Light output meets SMPTE standard 14fL (film 16fL open gate) for screens 25m (up to 82ft width)

CONTRAST RATIO

- >2000:1 (full field)
- >500:1 (ANSI lumens)

BRIGHTNESS UNIFORMITY

- >90% when displaying full white screen

TI DLP CINEMA™ TECHNOLOGY

- CineBlack™ Contrast Management
- CineCanvas™ Image Management
- CineLink™ Security Management
- CinePalette™ Color Management

DIGITAL MICROMIRROR DEVICE™

- 2K 3-chip DMD DLP Cinema™
- 2048 x 1080 pixels

INPUT LINE VOLTAGE

- 208 VAC/60 Hz, 3-phase
- 400 VAC/50 Hz, 3-phase

COLOR PROCESSING (BIT DEPTH)

- 45-bit (3 x 15-bit resolution)

NUMBER OF COLORS

- 35 trillion

DIGITAL VIDEO INPUT

- Two (2) SMPTE 292M; selectable dual or single
- Two (2) DVI, twin or single

HD VIDEO FORMATS

- 1920 x 1080 @ 24P or 24psf (ie. MPEG-2, MXF-Interop format)
- 2048 x 1080 @ 24P or 48P (DCI-compliant)
- A variety of alternative content formats also supported - contact your Christie sales representative for details

ZOOM LENSES

- 1.25-1.45:1, 1.45-1.8:1, 1.8-2.4:1, 2.2-3.0:1, 3.0-4.3:1, 4.3-6.0:1, 5.5-8.5:1

ANAMORPHIC LENSES (OPTIONAL)

- 1.26:1 (for scope format)

REFLECTOR

- F/1.5 High-Performance Compound Glass Reflector

SECURITY LOCKS

- Operator's side door, projector front top cover

SAFETY INTERLOCKS

- (3) Lamp Access Door, rear intake vent, extraction port

INTERNAL RACK SPACE

- 8RU rack space

DOUSER

- Electronic douser

3-AXIS (X, Y + Z) AUTOMATIC LAMP ALIGNMENT

- Christie LampLOC™

AMBIENT TEMPERATURE

- 0 to 35° C (32 to 95° F)

REGULATORY APPROVALS

- CAN/CSA - C22.2 No 60950-1-03 First Edition, ETL, CE, UL 60950-1:2001, IEC 60950-1:2001

The Christie CP Series integrates with the Christie Cine-IPM 2K image processor for a completely digital solution for Digital Cinema and alternative content.

Corporate Offices

USA – CYPRESS
PH: 714-236-8610
FX: 714-503-3385
sales-us@christiedigital.com

CANADA – KITCHENER
PH: 519-744-8005
FX: 519-749-3136
sales-canada@christiedigital.com

Worldwide Offices

UNITED KINGDOM
PH: +44 118 977 8000
FX: +44 118 977 8100
sales-europe@christiedigital.com

GERMANY
PH: +49 2161 664540
FX: +49 2161 664546
sales-europe@christiedigital.com

FRANCE
PH: +33 (0) 1 47 48 28 07
FX: +33 (0) 1 47 48 26 06
sales-france@christiedigital.com

HUNGARY / EASTERN EUROPE
PH: +36 (0)1 47 48 100
FX: +36 (0)1 47 48 452
sales-eeurope@christiedigital.com

SOUTH AFRICA
PH: +27 (0) 317 671 347
FX: +27 (0) 317 671 347
sales-africa@christiedigital.com

SINGAPORE
PH: +65 6877 8737
FX: +65 6877 8747
sales-singapore@christiedigital.com

SHANGHAI
PH: +86 21 6278 7708
FX: +86 21 6270 5816
sales-china@christiedigital.com

BEIJING
PH: +86 10 6561 0240
FX: +86 10 6561 0546
sales-china@christiedigital.com

KOREA
PH: +82 2 702 1601
FX: +82 2 702 1602
sales-korea@christiedigital.com

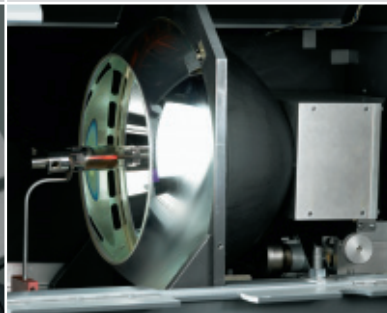
JAPAN
PH: +81 3 3599 7481
FX: +81 3 3599 7482
sales-japan@christiedigital.com



The CP2000 is the system of choice for post-houses such as ILM, Technicolor Digital Intermediate and Walt Disney Studios who require the need for a high-quality reference level Digital Cinema projector.



The CP2000's slim integrated system design and optional DLP Cinema™ approved lenses allows the projector to be placed in virtually any theatrical or post-production environment.



Christie's patented, cooled reflector maximizes bulb life and ensures ultra cool operation.

	Christie CP2000S
Overall System Weight with Pedestal	505 lb/229 kg

DIGITAL PICTURE BY



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Performance specifications are typical. Due to constant research, specifications are subject to change without notice. Printed in Canada. 2133

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Certificate # 601



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