CP Series
Making Exhibition Easy

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.

Uses
Cinema/exhibition
Post-production
On-screen advertising
Digital film mastering
Multi-media theatrical productions
Large entertainment venues
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 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 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 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.
Christie’s Touch Panel Controller (TPC™) provides system set-up and control of the projector via Ethernet.

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

**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

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<th>Christie CP2000S</th>
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<tbody>
<tr>
<td>DMD™ Resolution</td>
<td>2048 x 1080</td>
</tr>
<tr>
<td>DMD Size</td>
<td>1.2”</td>
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<tr>
<td>Lamp Type</td>
<td>CDXL 2kW-6kW</td>
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<tr>
<td>Contrast Ratio (ANSI lumens)</td>
<td>+500:1</td>
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<td>Contrast Ratio (Full Field)</td>
<td>+2000:1</td>
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<td>Screen Size</td>
<td>Up to 82ft/25m</td>
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<td>Ballast</td>
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<td>15-bit RGB</td>
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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.
The Christie CP Series integrates with the Christie Cine-IPM 2K image processor for a completely digital solution for Digital Cinema and alternative content.

**Cinema/Exhibition, Post-Production, 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
- CinePallette™ 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)

**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**

**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

**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 |

For the most current specification information, please visit www.christiedigital.com