

**CHRISTIE®**

CHRISTIE  
**CINELIFE+™**

Advance cinema storytelling to the next level by bringing the biggest and brightest visual content to life



[christiedigital.com/cinema](http://christiedigital.com/cinema)

Innovation in every frame™

# THE NEXT GENERATION IS HERE

Engineered and developed with all the essentials to bring world class visuals to all advanced format PLFs, yet purposefully built for mainstream efficiencies and economics. Designed for storytelling, the CineLife+ Series captivates from when the trailers start to when the credits roll.



Featuring the world's brightest RGB pure laser cinema projector capable of handling all advanced formats. The CineLife+ Series is ready to deliver a premium movie experience on any screen.



Add to an already heightened sense of realism from Christie Real|Laser with a new system architecture that eliminates the motion blur typical of some giant screen experiences.



Unprecedented brightness, image uniformity and viewing comfort create the best 3D experience for your audience, from VIP booths to PLF auditoriums, to put your audiences in the scene.



# SMARTER, FASTER, AND BRIGHTER

CineLife+ projectors maintain the fidelity of the cinema artform through illumination innovation and advanced processing electronics.





## The most advanced RGB pure laser projection illumination technology.

Developed and built around Christie's Multi-Laser Pack Devices (MPDs), projectors featuring Real|Laser are highly scalable for different screen brightness requirements.

- › More rich, deep and intense colors with greater than 95% coverage of REC 2020
- › More light over the entire image
- › Longer lasting brightness, color and contrast than other projection systems

## Ultra-fast processing electronics. Because it takes more than brightness to be brilliant.

Engineered to complement our Real|Laser illumination technology so that every detail in every frame is shown exactly as intended.

- › Future-proofed electronics capable of displaying up to 4K 120fps
- › 4 x 12G SDI inputs for 1.06Gb / sec data speeds ideal for production environments
- › Displays content without any motion blur or artifacts
- › HDMI 2.0 inputs for 4K 60fps display of alternative content
- › Intuitive user interface loaded with features to simply setup, operation, and maintenance
- › Supports advanced formats designed for PLF cinema

"I've just seen my dream come true, right before my eyes. This is what I've been working for. The 4K high frame rate 3D and brightness of the CP4450-RGB provides an immersive experience that has changed my relationship with movies."

**Ang Lee, three-time Academy Award®-winning filmmaker**

# CINELIFE VS CINELIFE+

A solid platform, all grown up. What does progress look like? Size up the refinements made to our advanced electronics to see the evolution.



HDMI 1.4a x 2 Bandwidth 10.2 Gbits/s

Frame rate 4K 30fps

Touch panel interface (3 connectors)

SDI inputs (0)

Rental mode (basic)

Pixel alignment

Power savings (standby mode)



HDMI 2.0 x 2 Bandwidth 18.0 Gbit/s

Frame Rate 4K 120fps

Touch panel interface (1 connector)

12G SDI inputs (4)

Rental mode with laser brightness limits

Pixel alignment with ECC

Power savings (Eco mode)



# COST CONSCIOUS

The ultimate customer experience is attainable. CineLife+ Series makes it obtainable.



## RemoteUI

Convenience included, touch panel optional

CineLife+ Series projectors can be controlled by remote access through an integrated web-based interface.

- › Allows for off-site configuration, scheduling and monitoring
- › Makes the touch panel an optional accessory as projectors with a web/Ethernet connection can be controlled through the RemoteUI



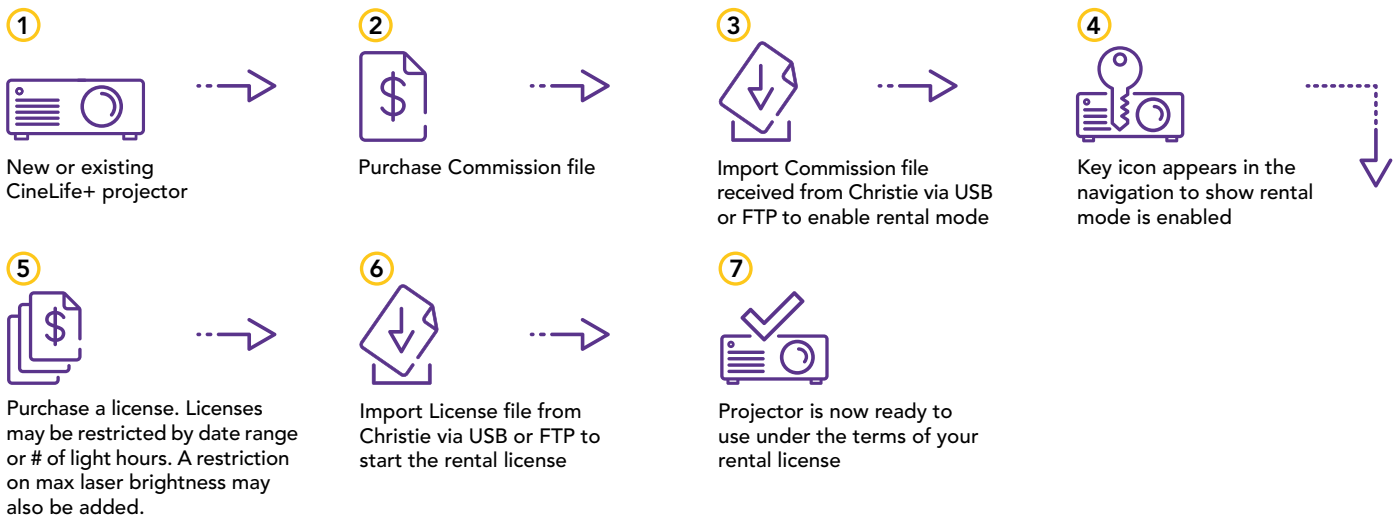
## Rental mode

Supports lease/rental business models

An easy-to-use and easy-to-integrate function that enables you to rent out a projector by duration or light hours.

- › Gives new life to projectors sitting in inventory
- › You can now rent out your projectors for applications like time-limited events and outdoor cinemas
- › Allows you to leave your installed projectors in place - no need to repurpose or move equipment
- › Introduces a new way to acquire Real|Laser™ projectors for permanent installations

## Rental mode set-up in 7 simple steps



# PIXEL PERFECT

Perfection was thought to be impossible. We beg to differ and built a bridge between perception and reality.

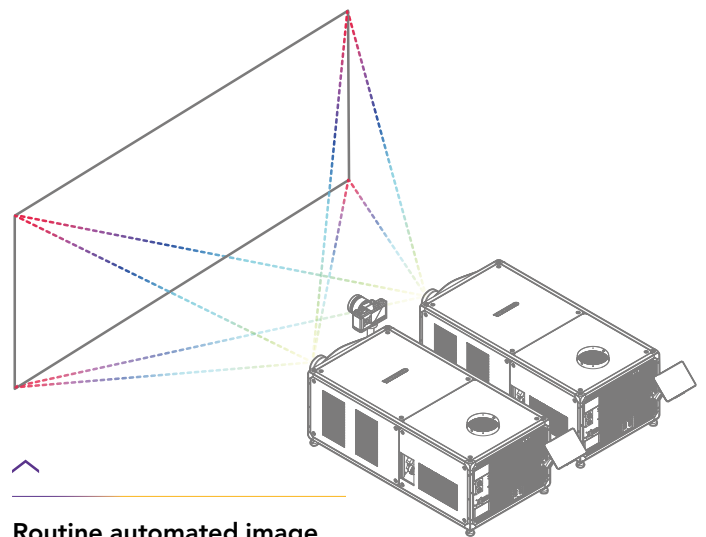


## Mystique Cinema

The perfect image all the time

An integration kit with auto-calibrating image alignment software and camera that easily aligns the pixels from a single projector – or images from 2 – within seconds for a completely seamless image on your largest screens.

- › Auto-focus - Always keeps the image in perfect focus
- › Auto-convergence - Prevents pixels from drifting over time
- › Ideal for dual projection where perfect 3D alignment is required
- › Simplifies technician set up
- › Automates Electronic Color Convergence (ECC) configuration process



Routine automated image optimizations between projectors to ensure the perfect on-screen image

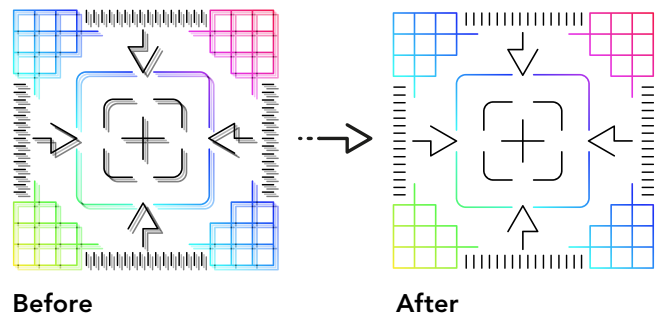


## Electronic Color Convergence (ECC)

Sub-pixel color alignment

Lateral color error (LCE) is an optical phenomenon that causes colors to appear mis-converged near the edge of the screen and is more apparent on laser systems due to their discrete wavelengths. LCE can't be corrected through mechanical convergence since it only corrects one part of the screen at a time.

- › ECC allows each color to be adjusted to ensure subpixel color alignment across an entire screen
- › Configure ECC manually or automate with Mystique Cinema

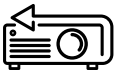


Perfect color alignment with ECC



# ENVIRONMENTALLY RESPONSIBLE

Future-proofing a projector requires thinking about our future. Environmental sustainability is our precursor, not an afterthought.



## Backwards compatible

Works with what you already have

Even when we innovate, we intentionally leave some components within our system as-is. The architected chassis that have been globally adopted share many parts with their predecessors. Existing Christie pedestals from a CineLife projector, air filters, lenses, Series-2 IMBs, and other spare parts for maintenance will all work with the CineLife+ Series. Designed to reduce waste and save costs.



## Best-in-class operational efficiency

More brightness, with less power

With our patented RealLaser™ LOS design, combined with unique implementation of Multi-Laser Pack Devices, we achieve unprecedented system efficiency. That's high brightness without the high power consumption.

- > Operational efficiencies as high as 14.5lm/W
- > Reduced operational costs with unsurpassed total cost of ownership



## Eco Mode

Up to 83% savings in standby

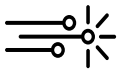
Although the show must go on, we still need intermissions. When it isn't show time, a projector can be placed into standby whereby most non-critical electronics are powered down.

- > Saves on power consumption
- > Saves on the wear of components when not in use
- > Saves on consumables such as filters



# OPERATIONAL RELIABILITY

Delivering a full customer experience is a high maintenance responsibility, so the projector shouldn't be. They aren't autonomous, but they're the next best thing.



## Laser Optical System (LOS)

Mastery of light

At the heart of Real|Laser is Christie's patented LOS design. With a fully-sealed optical path that's assembled in a state-of-the-art target Class 1000 cleanroom, the LOS is built to be maintenance-free before it goes into the chassis. Always pristine optical surfaces. No dust or contaminants here.

Robust laser alignment, humidity controlled sensors, and advanced cooling plates all contribute to the longevity of the Real|Laser light source, yielding over 50,000hrs of on-screen brightness at 80% power.



## Autonomous intelligence

Set it and forget it

The CineLife+ Series with Mystique Cinema automates and optimizes projection. With the auto-focus and auto-convergence the projector will auto-correct for any drifts in the image over time, resulting in significant savings in time and on maintenance.



## Advanced LiteLOC™

Synergizing speed and accuracy

A laser management system that's simple to set up. Set the white point once then adjust the brightness with a slider. That's it.

LiteLOC automatically compensates for booth temperature and adjusts the brightness accordingly if ambient temperature limits are exceeded.

- › The white point is never compromised
- › Maintains on-screen color despite environmental changes, including temperature, humidity, or the age of the projector





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