Christie Mirage Series

Academia
Aerospace
Automotive
Government
Heavy machinery
Museums

National labs
Oil and gas
Research and development
Sciences and biotechnology
Theme parks

The highest-performing 3D stereoscopic projectors

When you demand the highest resolution, the highest frame rate, unrivaled image fidelity and proven reliability – look no further than the Christie® Mirage Series of DLP® projectors. Representing the most advanced lineup of 3D stereoscopic projectors available, the Christie Mirage Series offers unprecedented performance capabilities, including the world's first 4K resolution 3-chip DLP projector running at true 120Hz.

Engineered specifically for 3D applications, the Christie Mirage Series is built on industry-leading DLP technology and features an advanced set of uniquely-Christie technologies, such as Christie TruLife™ electronics, to produce unrivalled image quality, stability and reliability. Offering accurate, true-to-life and detailed images for all types of high-resolution 2D and immersive environments, the Christie Mirage Series meets the specific challenges faced in today's highly-demanding 3D/visualization industries. Turn your visualization ideas into reality with the Christie Mirage Series.

CHRISTIE®

Christie Mirage Series

As pioneers in the professional 3D/visualization industry, Christie® understands the specific and unique visualization challenges you face on a regular basis. We understand that immersion, stereoscopy and interactivity are paramount for modern collaborative visualization environments and that flexibility, reliability, low maintenance and reduced consumables are of major importance.

Featuring native 120Hz frame rate, built-in geometric warping and edge-blending capabilities and multiple 2D/3D input options, the Christie Mirage Series is a powerful and versatile platform for any 3D/visualization application. Designed for long-life operation and reliability, and backed by Christie's trusted service and support, the Christie Mirage Series is the ideal choice for your complex projection needs.

Mirage 4K

When the highest resolution, most accurate color reproduction and brightest large-format 3D immersive experience is needed, trust the Christie Mirage 4K to exceed your visualization expectations. Anchored by the Christie TruLife™ electronics platform with proprietary 1.2 Gigapixel per second floating point architecture, the Mirage 4K offers full 4096 x 2160 resolution at 120Hz for 3D – a world's first. Featuring Xenon™ illumination, the Mirage 4K provides unprecedented image fidelity, life-like vibrant colors and up to 35,000 lumens for the brightest 3D immersive experience.

Mirage J Series

Compact, flexible and powerful are the defining characteristics of the Christie Mirage J Series. Featuring Xenon illumination, the Mirage J Series offers incredible image fidelity. With a rugged, compact chassis, this series is the ideal solution whether deployed as a single unit, or as part of a larger array. The Mirage J Series is available in brightness levels ranging from 6500 ANSI lumens through 20,000 ANSI lumens and three resolutions: SXGA+, HD and WUXGA. When your project requires the most natural color accuracy, stability, performance and flexibility choose the Mirage J Series.

Mirage M Series

The Christie Mirage M Series is the perfect solution for high-resolution, active stereo projection when advanced 3D performance and reduced overall operational costs are required. Compact and easy to setup and configure, these projectors feature dual-lamp P-VIP illumination for high efficiency, long life and a low operating cost. Delivering brightness levels from 6300 ANSI lumens to 12,500 ANSI lumens, and resolution options including WXGA, SX+ and HD WUXGA (1920 x 1200), the Mirage M Series provides a solution for every application and budget.

Mirage WU-L/Mirage WQ-L

Featuring 1-chip DLP® with solid-state RGB LED illumination, the Christie Mirage WU-L/WQ-L projectors offer precise, lifelike colors and consistent performance over an estimated lifecycle of 60,000-hours (approximately 6.5 years). Featuring WUXGA or WQXGA resolution, the Mirage WU-L /WQ-L also accommodates dual-input 3D mode and passive to active conversion for high-performance 3D video content at 120Hz.

Advanced features in the Mirage Series

Christie TruLife

The Christie TruLife electronics platform is a powerful combination of high refresh rates and high resolution, supporting a video processing pipeline of up to 1.2 Gigapixels per second. The result is smooth moving content and stunning image quality.
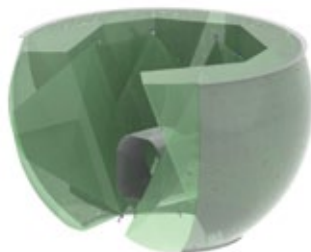

Christie MotoBlend

Developed using our extensive experience with dynamic content, Christie MotoBlend™ provides motorized optical blending that maximizes system contrast and optimizes dark scene applications.

Christie ArrayLOC

Christie ArrayLOC™ manages the brightness and color levels of all projectors within an array to a common level, in real-time with no additional latency. Synchronized color and brightness level balancing self-adjusts in as little as two seconds, reducing the amount of time, labor and costs associated with maintaining a simulation display.
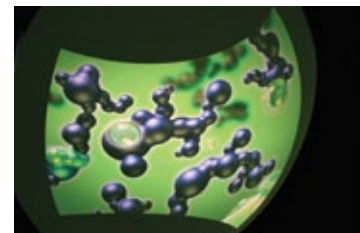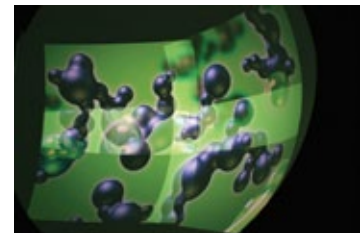
Christie AutoCal

Christie AutoCal™ calibrates any arrayed projection display, from flat to cylindrical to spherical, and adjusts it to its optimized viewing configuration. With expert image display adjustment capabilities at your fingertips, a stabilized, consistent display with reduced system maintenance and downtime will achieve increased productivity.
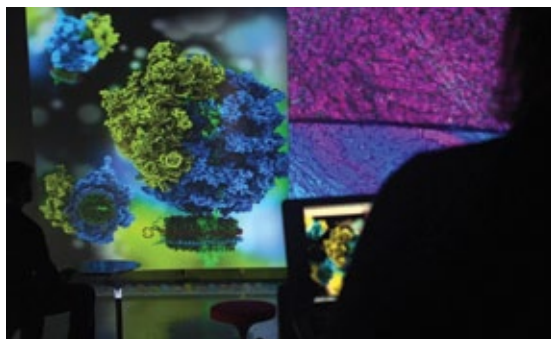

Christie Twist

An easy-to-use option to manage arrayed projectors, Christie Twist™ allows pixels to be mapped to any projection surface with proper geometry and perfect pixel-to-pixel alignment. Christie Twist provides the enhanced warping and expert blending required for arrayed projectors to operate as a single, uniform display.

▲ Christie Twist offers enhanced warping and blending for exact geometric mapping regardless of the shape or surface.

◄ With the expertise of Christie AutoCal, arrayed projection displays are easily configured and maintained.

▲ The Hunt Library Teaching and Visualization Lab, North Carolina State University offers seamless, 270-degree visual projection on three walls for a total of 80 linear feet of display surface.

◄ The first-of-its-kind 360-degree simulated ride was featured at the LOTTE Pavilion at Expo 2012 Yeosu Korea. Sixteen Christie WU12K-M WUXGA 3-chip DLP projectors display visuals for "A World Full of Pleasures", featuring a virtual hot-air balloon ride in the pavilion's miniature amusement park.

Service and support

Christie understands that each customer has unique business challenges and needs. Our proven installation process is based on years of successful installations around the world. We use ISO-certified project management practices – from engineering services such as design to installation, integration and complete training and support. We'll take your project from inception to completion – on schedule, on budget and with proven reliability.

Active and passive stereoscopic displays

3D content is supported in three different modes of 3D input: Dual Input 3D, full frame rate 3D input[1] and frame doubled 3D for maximum source compatibility and high-performance, flicker-free operation without a passive to active converter.

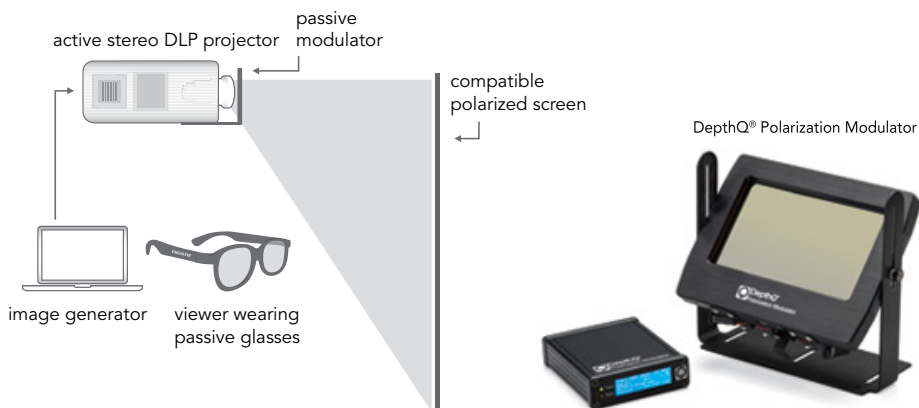Mode 1: Full frame rate 3D input[1] – Native frame rate in/native frame rate out

Mode 2: Dual input 3D – Two frame-locked inputs (one input for the left eye and the other for the right eye), that are combined (interleaved) in the projector @ 120Hz output

Mode 3: Frame doubling – The projector will accept 60Hz progressive scan content (30Hz per eye) and will show each pair of frames twice
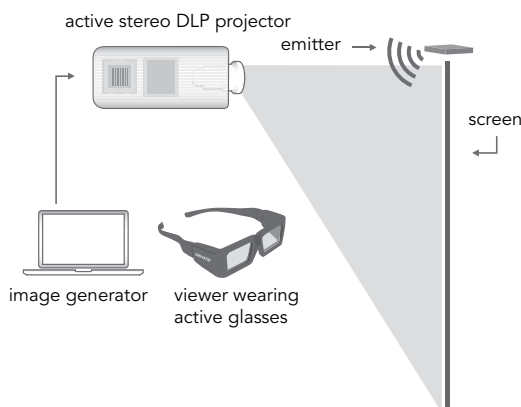
[1]Mirage WQ-L does not support full frame rate 3D input

Passive stereoscopic viewing – single projector

active stereo DLP projector

passive modulator

compatible polarized screen

image generator

viewer wearing passive glasses

DepthQ® Polarization Modulator

Active stereoscopic viewing – single projector

active stereo DLP projector

emitter

screen

image generator

viewer wearing active glasses

Corporate offices

Christie Digital Systems USA, Inc
USA – Cypress
ph: 714 236 8610

Christie Digital Systems Canada Inc.
Canada – Kitchener
ph: 519 744 8005

Independent sales
consultant offices

Italy
ph: +39 (0) 2 9902 1161

Worldwide offices

Australia
ph: +61 (0) 7 3844 9514

Brazil
ph: +55 (11) 2548 4753

China (Beijing)
ph: +86 10 6561 0240

China (Shanghai)
ph: +86 21 6278 7708

Eastern Europe and
Russian Federation
ph: +36 (0) 1 47 48 100

France
ph: +33 (0) 1 41 21 44 04

Germany
ph: +49 2161 664540

India
ph: +91 (080) 6708 9999

Japan (Tokyo)
ph: 81 3 3599 7481

Korea (Seoul)
ph: +82 2 702 1601

Republic of South Africa
ph: +27 (0)11 510 0094

Singapore
ph: +65 6877 8737

Spain
ph: +34 91 633 9990

United Arab Emirates
ph: +971 4 3206688

United Kingdom
ph: +44 (0) 118 977 8000

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DLP
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