

Touchboards

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Christie M Series

The evolution of an icon

3D mapping
Auditoriums
Boardrooms
Broadcast studios
Business presentations
Civil engineering
Construction management
Energy
Events and large venues
Home cinema
Houses of worship
Industrial design
Medical training
Museums and education
Post-production
Scientific research
Theme parks
And more...



CHRISTIE®

Christie M Series

The industry workhorse is now even better



Deployed the world over in every projection scenario imaginable, the Christie® M Series is a true industry icon. Now you get even more with upgrades to this hallmark projector series. Benefit from enhanced performance, longer lamp life, increased flexibility and the quality you expect from Christie.

Designed with your needs in mind, the Christie M Series is a powerful, compact and efficient lineup of 3DLP® dual-mercury projectors. Available in a range of brightness levels and resolutions and backed by Christie's industry-leading warranties and support, the Christie M Series continues its legacy as the industry workhorse.

Model	Center lumens	Resolution
Christie WX10K-M*	10,450	WXGA
Christie DS+6K-M	6930	SXGA+
Christie DS+10K-M	11,550	SXGA+
Roadster S+10K-M	11,550	SXGA+
Christie DS+14K-M	14,000	SXGA+
Roadster S+14K-M	14,000	SXGA+
Christie HD6K-M	6600	1080 HD
Christie HD10K-M	11,000	1080 HD
Roadster HD10K-M	11,000	1080 HD
Christie HD14K-M	13,500	1080 HD
Roadster HD14K-M	13,500	1080 HD
Christie WU7K-M	6930	WUXGA
Christie WU12K-M	11,550	WUXGA
Roadster WU12K-M	11,550	WUXGA
Christie WU14K-M	14,000	WUXGA
Roadster WU14K-M	14,000	WUXGA

* WXGA model is not 3D capable.



Dual-lamp system

The Christie M Series features a dual-mercury lamp system. The benefits of this dual-lamp design are many:

- › High efficiency
- › 200W, 350W or 450W (two-lamp system)
- › 120V (operation) for full brightness
- › At maximum brightness 12,500 ANSI (14,000 center) lumens the unit only draws 1500W (450W lamp)
- › Stand-by power consumption (phantom power draw) is less than 20W
- › Lamps can be hot-swapped while projector is powered on and in use

Brightness		200W	350W	450W
Dual lamp	max power	6300 ANSI lumens	10,500 ANSI lumens	12,500 ANSI lumens
		6930 center lumens 7088 ISO	11,550 center lumens 11,812 ISO	14,000 center lumens 14,062 ISO
Single lamp	max power	3150 ANSI lumens	5250 ANSI lumens	6250 ANSI lumens
		3465 center lumens 3544 ISO	5775 center lumens 5906 ISO	7000 center lumens 7031 ISO

Dual-lamp design vs. quad-lamp design

Many competitive projectors rely on a quad-lamp design. When comparing performance capabilities, a dual-lamp design offers several benefits, including:

- › Uses less power to achieve the same levels of brightness as quad lamps
- › Lowers cost of ownership since only two lamps need to be replaced instead of four
- › Less energy is used to power the projector
- › Redundancy – the second lamp remains in a state of readiness for continuous uptime
- › Flexibility – you can choose to operate in single-lamp mode when ambient light is controlled
- › Enhances energy and cost savings
- › Extends life of the projector
- › Consistent 24/7 operation – a dual lamp design enables continuous projection for long periods of time

Intelligent Lens System (ILS)

The ILS automatically recognizes and calibrates a lens when it is installed. Stepper motor-based encoding ensures that motor drift does not occur, as typically found with DC encoded motors, providing accurate and repeatable recall of all lens offset, zoom and focus positions. This lens system ensures that the images adjust to optimize screen coverage and maintain alignment in applications with moving screens or variable aspect ratios.

Louisiana's National World War II Museum
installed several Christie DS+10K-M projectors for
"Beyond all Boundaries", a 45-minute 4D presentation.

Expanded lens suite

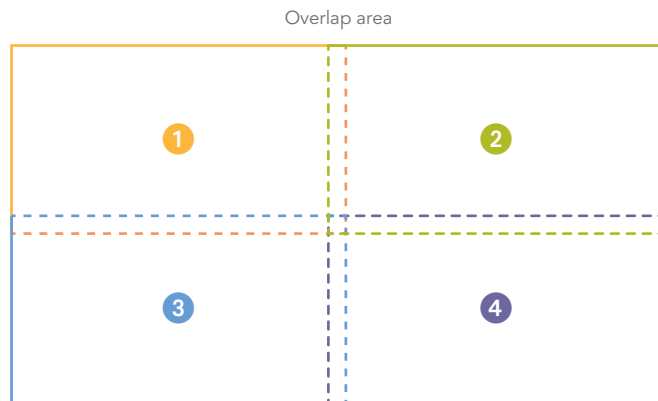
With the addition of a short zoom (1.25-1.6:1 SX+/1.16-1.49:1 HD) and a long zoom (7.5-11.2:1 SX+/6.9-10.4:1 HD), this expanded suite provides the broadest range of HD lenses in this marketplace.

Lenses	Part number
ILS Lens 0.73:1 SX+/0.67:1 HD	118-100110-XX
ILS Lens 1.2:1 SX+/1.1:1 HD	118-100117-XX
ILS Lens 1.25-1.6:1 SX+/ 1.16-1.49:1 HD	118-100111-XX
ILS Lens 1.5-2.0:1 SX+/1.4-1.8:1 HD	118-100112-XX
ILS Lens 2.0-2.8:1 SX+/1.8-2.6:1 HD	118-100113-XX
ILS Lens 2.8-4.5:1 SX+/2.6-4.1:1 HD	118-100114-XX
ILS Lens 4.5-7.5:1 SX+/4.1-6.9:1 HD	118-100115-XX
ILS Lens 7.5-11.2:1 SX+/ 6.9-10.4:1 HD	118-100116-XX



Multi window/screen processing

External processors are not required for simple, small tiled and blended arrays, therefore lowering your installation costs. Each M Series projector has the ability to send signals to multiple projectors (up to a 3x3 array) without any additional hardware or software. The projectors in the tiled array can then show only the portion of the signal that they need to project.



Embedded Christie Twist

Standard in all Christie® M Series models, Christie Twist™ enables seamless edge-blending of multiple curved images faster and easier than traditional, manual methods. Controlled by an intuitive GUI, users can control and edge-blend or stack multiple curved images. Images can also be warped to fit virtually any dimension or shape display. Embedded Christie Twist ensures that all M Series projectors work with optional accessories such as Christie AutoStack™ and AutoStack Premium, camera-based software used to easily and accurately align content across a projection array in minutes.



◀ Image on curved screen
- without blending



◀ Curved screen
- with blending

Embedded edge blending and color matching

Advanced blending capabilities and Comprehensive Color Adjustment (CCATM) ensure digitally accurate color matching and uniformity across multi-screen blended or tiled images.



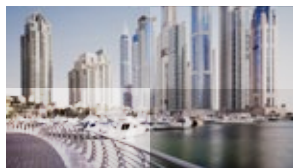
^ Without edge blending



^ With edge blending

LiteLOC

The LiteLOC™ feature automatically manages your display's brightness levels over time so that you can match the brightness of a multiple projector system in tiled or blended arrays. This feedback system continuously monitors lamp brightness, so that as the lamp goes through its natural brightness decay, the system increases the lamp power in order to maintain consistent brightness.



^ Without LiteLOC



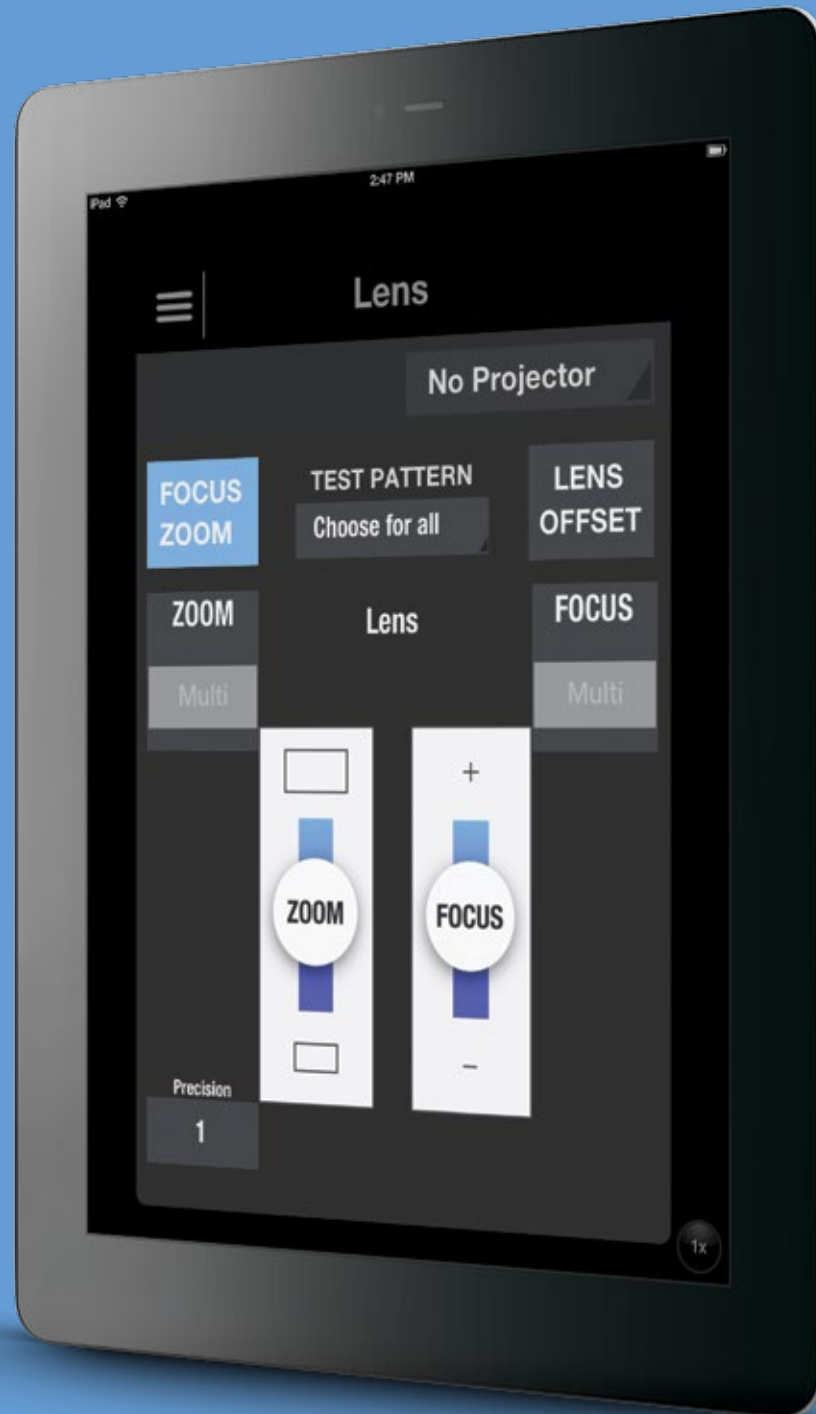
^ With LiteLOC



Wanda Movie Park. The first movie theme park in the world, Wuhan Central Cultural District installed 139 Christie projectors, including several Christie M Series projectors.

Projector control and management

Users can access all projector menus and control through a web interface (via Ethernet) without disrupting the live presentation. This allows for real-time adjustments and monitoring of each projector on the network - regardless of geographic location.



Spectacular events and rental staging

Christie Roadster M Series

Deployed countless times all around the world for a variety of event and rental staging applications, the Christie® Roadster M Series models have been designed with stagers in mind. Each of these Roadster models ships equipped with more input cards than other M Series models, as well as a stacking frame.



Christie AutoStack

Easily and accurately align Christie 3DLP® content across multiple projectors in minutes with Christie AutoStack camera-based software. In conjunction with Christie Twist, images can be warped and blended seamlessly in a single flat screen display, supporting as many as 12 projectors, configured up to 2 high by 3 wide and then double-stacked as necessary for additional brightness or redundancy.

Christie AutoStack Premium expands the capabilities of Christie AutoStack, working with more than 12 projectors in a single display on flat, curved/cylindrical or portrait display screens.

Dust-sealed engine

Christie M Series projectors can operate filter-free because of dust-sealed engines and optics. Since dust and dirt cannot affect the system and filters are not required, image quality is maintained and maintenance costs are lower. Removable side panels enable the addition of optional coarse dust and fog juice filters for projectors that are exposed to harsh environments.

Portrait display capabilities

Christie M Series projectors have built-in capabilities to project in portrait orientation - no additional equipment required.

Wireless projection control

Christie wireless projector control brings projection management to your fingertips with wireless projector control applications for Apple® iOS and Android-based mobile digital devices.

The Christie InControl app lets you control Christie projectors directly from your iPhone, iPad and iPod while the Christie Virtual Remote app offers the ability to manage Christie projectors using your Android-based mobile device.

The two applications are designed to control any Christie M Series projector. Each projector can be controlled individually, or grouped together and controlled simultaneously.

The Christie InControl app is available as a free download from the Apple App Store. The Christie Virtual Remote is available as a free download from the Google Play™ store.

High-performance 3D/Visualization

When you want crisp and detailed 3D images, think Christie® Mirage M Series.

Whether using active or passive display technology, the Christie Mirage M Series is easy to setup and configure. Powered by dual-image processing, the Christie Mirage M Series displays full resolution at a native frame rate up to 120Hz. Two standard Dual-link DVI input cards support 330 MHz bandwidth for full resolution Dual Input 3D.



Model	Center lumens	Resolution
Mirage DS+6K-M	6930	SXGA+
Mirage DS+10K-M	11,550	SXGA+
Mirage DS+14K-M	14,000	SXGA+
Mirage HD6K-M	6600	1080 HD
Mirage HD10K-M	11,000	1080 HD
Mirage HD14K-M	13,500	1080 HD
Mirage WU7K-M	6930	WUXGA
Mirage WU12K-M	11,550	WUXGA
Mirage WU14K-M	14,000	WUXGA



Royal Navy's Maritime Warfare School (MWS) and Surface Stream where Saville Audio Visual installed Christie DS+6K-M SXGA projectors in Fareham, Hampshire, U.K.

Standard 3D inputs

Whether your data content or images are being generated by a computer, a Blu-ray™ player, a gaming console, or a server - 3D content comes in a wide variety of formats. The way that your content is distributed can have an impact on your 3D experience.

3D upgradable

Christie also makes it easy to future proof your investment by offering an upgrade path to select 3DLP® projectors to Mirage Series models. Whether you need 3D capability today or tomorrow, Christie has the innovation, breadth of technologies, engineering by offering and upgrade path to select 3DLP projectors strength, and the integration expertise to offer the right display solutions to fit your business needs.



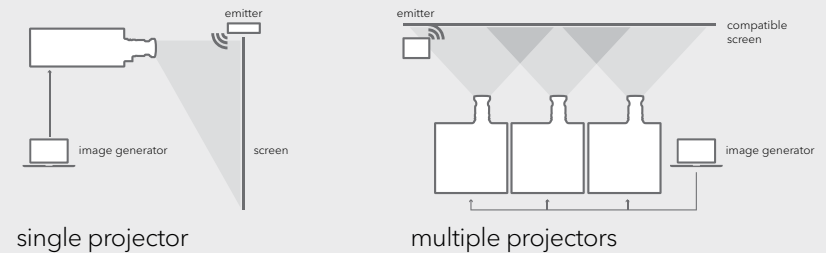
Mirage 3D upgrade kit	Part number
Christie DS+6K-M	118-117100-XX
Christie DS+10K-M*	118-118101-XX
Christie DS+14K-M*	118-123107-XX
Christie HD+6K-M	118-119102-XX
Christie HD10K-M*	118-120104-XX
Christie HD14K-M*	118-124108-XX
Christie WU7K-M	118-121105-XX
Christie WU12K-M*	118-122106-XX
Christie WU14K-M*	118-125109-XX

* Can also be used with equivalent Christie M Series Roadster model

3D accessories

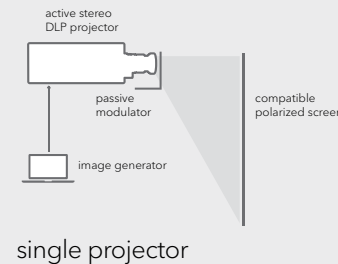
Active glasses stereoscopic viewing

Description	Part number
Glasses - single	108-407102-XX
Glasses - 10 pack	108-409104-XX
Emitter - standard range	108-410106-01
Emitter - long range	108-415101-01



Passive glasses stereoscopic viewing

Description	Part number
Glasses - single	108-412108-XX
DepthQ polarization modulator	108-411107-XX



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