M Series

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…

Redefine your expectations.

CHRISTIE®

We didn't just raise the bar, we redefined the entire game.

## The Christie M Series shining even brighter than before

We've designed the M Series, a flexible, efficient line of 3-chip DLP® projectors, with your needs in mind.

The most compact in its class, this dual mercury lamp platform, now with even more choice in brightness levels, provides the high-performance and feature-rich standards you've come to expect from all Christie® products. We've also made it possible to future-proof your investment. Select M Series[1] projectors can be upgraded from their existing 2D display technology to include 3D capabilities – ensuring your 3D needs are met for today and tomorrow.

Ranging from 2360 ANSI (2600 center) lumens (single lamp, 200W) to 12,500 ANSI (14,000 center) lumens (dual lamp, 450W), each M Series projector offers high efficiency and low cost of ownership by operating at 1500W (450W lamp) – giving you full brightness while using less power.

The Christie M Series platform includes four resolutions, WXGA (1366 x 768), SXGA+ (1400 x 1050), HD (1920 x 1080) and WUXGA (1920 x 1200), all with a variable contrast ratio of 2500-10,000:1[2] full on/full off (650:1 ANSI) for crisp, detailed images. Each of the projectors in the series can also be fitted with the broadest range of high quality lenses – all with true Intelligent Lens System (ILS™) capabilities.

All this, combined with a 3-year warranty and our industry leading service and support, enables the M Series to provide high performance and peace of mind for everyone.
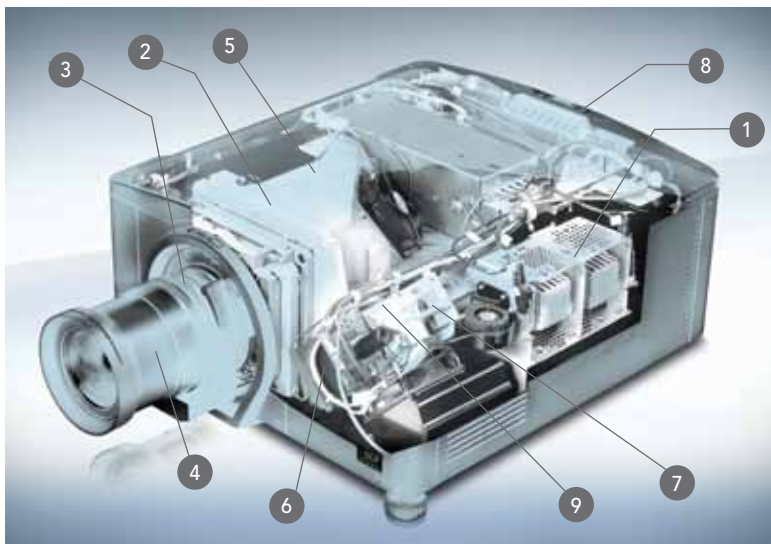
Brightness	Center lumens	Resolution
Christie WX7K-M[1]	6270	WXGA
Christie WX10K-M[1]	10,450	WXGA
Christie DS+6K-M	6930	SXGA+
Christie DS+10K-M	11,550	SXGA+
Roadster S+10K-M	11,550	SXGA+
Christie DS+14K-M	14,000	SXGA+
Roadster S+14K-M	14,000	SXGA+
Christie HD6K-M	6300	1080 HD
Christie HD10K-M	11,000	1080 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

[1] Dual-lamp system[3, 4]

High-efficiency, dual-lamp system
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 (6930 center lumens)	10,500 ANSI lumens (11,500 center lumens)	12,500 ANSI lumens (14,000 center lumens)
	min power	4725 ANSI lumens (5200 center lumens)	8535 ANSI lumens (9400 center lumens)	9740 ANSI lumens (10,900 center lumens)
Single lamp	max power	3150 ANSI lumens (3465 center lumens)	5250 ANSI lumens (5775 center lumens)	6250 ANSI lumens (7000 center lumens)
	min power	2360 ANSI lumens (2600 center lumens)	4260 ANSI lumens (4700 center lumens)	4870 ANSI lumens (5450 center lumens)

▲ Lumen values are for SXGA+ models. Flexible lumens levels at various lamp powers. Lamp power is specific to each model and cannot be interchanged.

Dual lamp design vs quad (4) lamp design

A dual lamp design:

Uses less power to achieve the same levels of brightness as quad lamps

Lowers cost of ownership:
• 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
Dual lamp mode is ideal for applications where increased brightness is required

Consistent 24/7 operation – a dual lamp design enables continuous projection for long periods of time

[1] WXGA models are not 3D capable. [2] Using dynamic iris.
[3] US Patents 7,230,768; 6,205,271; 6,734,957. [4] Patent pending.
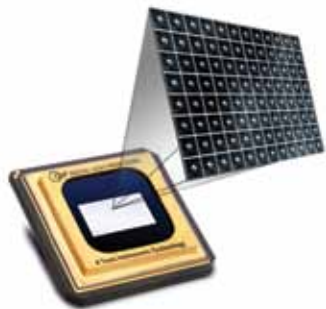
▲ 3-chip DLP technology

▲ Intelligent Lens System

▲ Full suite of lenses

▲ LCD keyboard

[2] Image quality

3-chip DLP technology, high-quality optics and world-class 10-bit image processing.

With low maintenance and highly reliable (>100,000 MTBF for DMDs) DLP technology, the Christie M Series delivers:

High brightness
Excellent color
Excellent uniformity
High contrast
Excellent fill ratio

[3] 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.

[4] 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.

LCD keyboard

This easy-to-use LCD keypad includes:
Contextual menus provide a fully-featured, intuitive interface; removing the need for a cluttered keypad
Large, four line LCD display
Adjustable brightness and timed LCD off mode
Intuitive keypad design that lights up when features are active – making it user friendly
Active keys are color-coded amber to indicate that selections will result in changes visible to the audience

[6] Motorized yellow notch filter

The motorized yellow notch filter optically expands the color gamut for richer greens and yellows. Since you lose some brightness by improving the greens and yellows, this is a channel-configurable option which enables you to decide when it is needed. This filter, available on M Series HD and WUXGA models only, is ideal when video is being displayed.

Expanded color gamut
Regular color gamut
REC 709
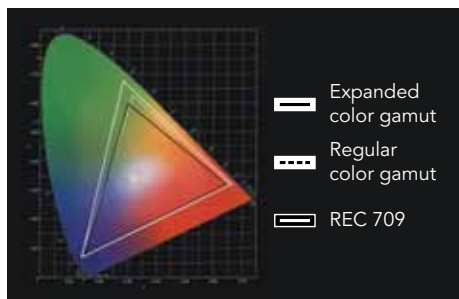
▲ Standard color gamut

▲ Expanded color gamut

[7] Dynamic iris[1]

Ideal for video applications, the dynamic iris is a channel-configurable option. It automatically adjusts an internal iris to extend the range of blacks and provide richer details during dark scenes for true image reproduction. A variable contrast ratio of 2500-10,000:1 produces a picture with a rich, dynamic appearance.
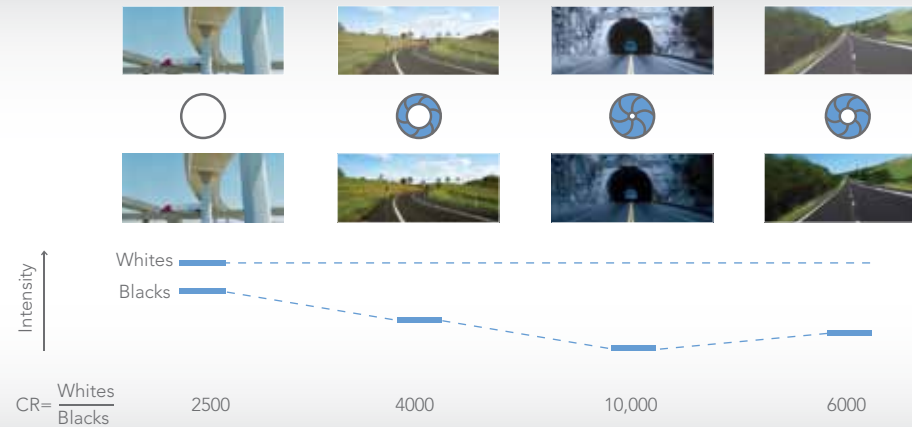
No Dynamic iris – standard contrast ratio.

Dynamic iris – this feature dramatically increases the on/off contrast ratio of the system. A fast-acting dynamic iris optically minimizes the black levels in the image while electronically increasing the gain in the image which enhances the overall detail in the blacks.

Intensity

Whites

Blacks

$CR = \dfrac{Whites}{Blacks}$ 2500 4000 10,000 6000

[8] Embedded Christie Twist

Standard in all Christie M Series models, Christie Twist™ enables seamless edge-blending of multiple curved images faster and more easily than through traditional, manual methods. Controlled by an easy-to-use GUI, users can expertly control and edge-blend or stack multiple curved images. As well, images can be warped to fit virtually any dimension or shape display. Embedded Christie Twist ensures that all M Series projectors work with value-added accessories, such as Christie AutoStack™.

▲ Easy-to-use GUI

▲ Easy-to-use GUI

▲ Image on curved screen – without blending

▲ Curved screen – with blending

[8] Multi-window/screen processing

External processors are not required for simple, small tiled and blended arrays, therefore lowering your costs for installation. 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.

Overlap area
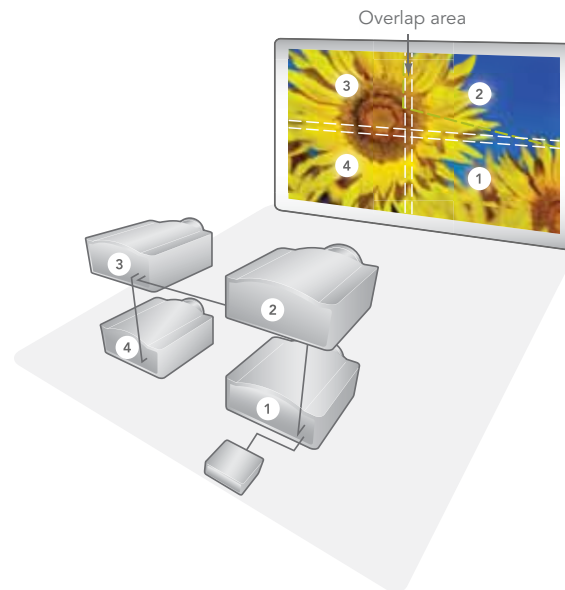
[8] Embedded edge blending and color matching

Advanced blending capabilities and Comprehensive Color Adjustment (CCA™) ensure digitally accurate color matching and uniformity across multi-screen blended or tiled images.
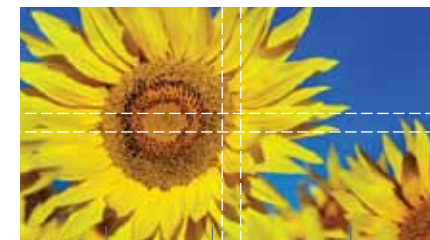
Color matching   Edge blending
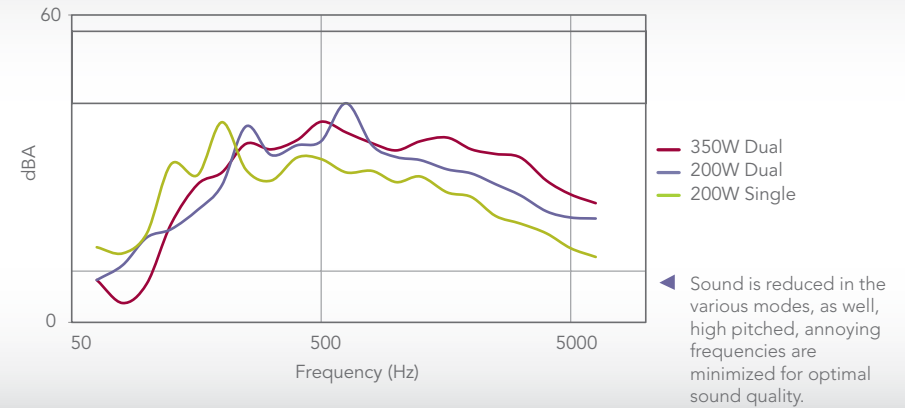
▼ Without edge blending

▼ With edge blending

Overlapping image edges

[1] Not available in DS+14K-M, Roadster S+14K-M, HD14K-M, Roadster HD14K-M, WU14K-M, Roadster WU14K-M, Mirage DS+14K-M, Mirage HD14K-M, Mirage WU14K-M models.

Comprehensive Color Adjustment (CCA)

R
G
B

No CCA   With CCA

Sound and Output Frequency

60

dBA

0

50   500   5000

Frequency (Hz)

— 350W Dual
— 200W Dual
— 200W Single

◄ Sound is reduced in the various modes, as well, high pitched, annoying frequencies are minimized for optimal sound quality.

[8] 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.

▲ Main page controls and information

▲ Virtual On Screen Display (OSD): access full menu structure, remotely

▲ Status and diagnostics: display alarm events for quick projector monitoring and diagnosis

▲ Admin screen includes upload, backup, restore and more

[8] Automatic shut-off[1]

This feature lowers the cost of ownership by reducing power consumption and extending lamp life when the projector is not in use. In this mode, if a signal is not detected, the projector will close the shutter and reduce power to the lamps. If there is still no signal, the system will go into standby mode. If a signal is detected during the ramp-down phase, the unit will revert back to its full power, dual lamp mode.

Lamp Power Management (LPM)

Brightness

Time
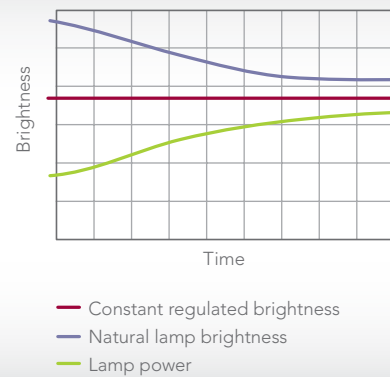
— Constant regulated brightness
— Natural lamp brightness
— Lamp power

Quiet operation

When a presentation depends on the full attention of the audience, noise from a projector can be distracting. The filter-free design with auto-sensing fan and temperature sensors automatically adjust for a virtually noise-free operation.

[9] 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

Aspect ratios

Wide screen ratios provide a multitude of benefits in a variety of different projection applications. Carefully matching the pixel format of the projector with that of the sources to be displayed will ensure the best image quality and maximum impact. The M Series offers 4:3, 16:9 and 16:10 models to match the aspect ratio requirements of any application.
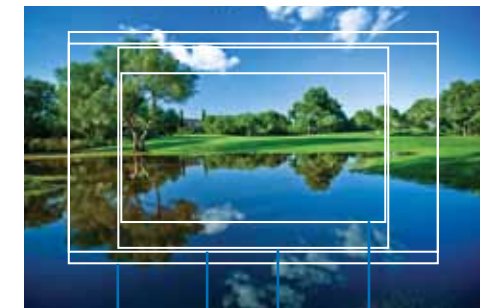
WUXGA   HD   SXGA+   WXGA

[1] Users determine the length of time before shutter closes, as well as when to go into standby mode.

[8] Input cards

In total, there are four input card slots available. Each projector is equipped with a standard set of input cards.

Twin HDMI input card

The Twin HDMI™ input card accepts two HDMI inputs and provides 12-bit deep color handling on the input. It also supports the HDMI v1.4a format required for 3D systems providing the projector is upgraded with 3D capabilities. Additionally, advanced loop-through allows any input on any input card to be looped through to the two HDMI outputs on the card.

This functionality ensures that when stacking systems with any input, the Twin HDMI card can be used to send the signal to a second projector. This stacked system is also a passive loop-through providing the repeater projector has AC power, even when powered off, the signal will continue to be looped out to the second projector.

Analog input card

The Analog input card accepts an analog video signal input over a 5 BNC connector interface. It can accept RGBH&V signals over 5 connectors, as well as component YPbPr signals on the RGB inputs.

Dual 3G SD/HD-SDI input card

The Dual 3G SD/HD-SDI input card accepts both standard definition (SD) and high-definition (HD) serial-digital-interface (SDI) signals, and enables you to connect two of either types of signal. Both single-link HD and dual-link HD signals are accepted. This card also has two 3G SD/HD-SDI outputs to enable "loop-through" for its respective input.

Dual-link DVI input card

The Dual-link DVI input card has a 330 MHz DVI-I connector which can support a single or dual-link DVI, analog and HDCP video signals with proper cables. There is also an additional 15-pin VGA connector. Only one input is active on this card at a time. Christie Mirage M Series models come standard with two of these cards installed.

Video decoder input card

The Video decoder input card accepts various types of standard definition (SD) video, including CVBS (composite video), S-video, and component. It accepts NTSC 3.58, NTSC 4.4, PAL, PAL-N, PAL-M or SECAM formats. This card has two mini-DIN connectors (for S-video signals) and four BNC connectors that can be grouped to allow combinations of CVBS, S-Video, YPbPr or RGB video sources.

▲ Optional
   stacking frame

▲ Replacement lamp

▲ Optional lenses

▲ Optional Christie
   AutoStack

▲ Optional
   ceiling mount

Accessories

Whatever you need, Christie has a large selection of optional accessories. Create the projector you need by choosing from eight lenses, various input cards and much more.

	Description	Part number
Lens – fixed	Lens ILS 0.73:1 SX+/0.67:1 HD	118-100110-XX
	Lens ILS 1.2:1 SX+ /1.1:1 HD	118-100117-XX
Lens – zoom	Lens ILS 1.25-1.6:1 SX+/1.16-1.49:1 HD	118-100111-XX
	Lens ILS 1.5-2.0:1 SX+/1.4-1.8:1 HD	118-100112-XX
	Lens ILS 2.0-2.8:1 SX+/1.8-2.6:1 HD	118-100113-XX
	Lens ILS 2.8-4.5:1 SX+/2.6-4.1:1 HD	118-100114-XX
	Lens ILS 4.5-7.5:1 SX+/4.1-6.9:1 HD	118-100115-XX
	Lens ILS 7.5-11.2:1 SX+/6.9-10.4:1 HD	118-100116-XX
Lamps[1]	Assembly 200W lamp	003-100856-XX
	Assembly 350W lamp	003-100856-XX
	Assembly 450W lamp	003-102385-XX
Input cards	Analog input	108-309101-XX
	Dual link DVI input	108-312101-XX
	Video decoder input	108-310101-XX
	Dual 3G SD/HD-SDI input	108-313101-XX
	Twin HDMI input	108-311101-XX
	DMX512 interface	108-314101-XX
Miscellaneous accessories	Coarse dust filter pack M Series	118-100104-XX
	Fog juice filter pack M Series	118-100105-XX
	Stacking frame	118-100107-XX
	Ceiling mount	118-100108-XX
	Ceiling mount extension	104-101001-XX
	ILS lens adapter kit	108-331108-XX
	Christie AutoStack	108-423100-XX

[1] Lamp power is specific to each model and cannot be interchanged.

			SXGA+ (4:3)					HD (16:9)		
			DS+6K-M	DS+10K-M	Roadster S+10K-M	DS+14K-M	Roadster S+14K-M	HD6K-M	HD10K-M	Roadster HD10K-M
Image	brightness	dual lamp	• 6300 ANSI lumens (6930 center lumens)	• 10,500 ANSI lumens (11,550 center lumens)		• 12,500 ANSI lumens (14,000 center lumens)		• 6000 ANSI lumens (6600 center lumens)	• 10,000 ANSI lumens (11,000 center lumens)	
		single lamp	• 3150 ANSI lumens (3465 center lumens)	• 5250 ANSI lumens (5775 center lumens)		• 6250 ANSI lumens (7000 center lumens)		• 3000 ANSI lumens (3300 center lumens)	• 5000 ANSI lumens (5500 center lumens)	
	contrast		• 2500-10,000:1 (full on/off) 650:1 ANSI (typical)							
	uniformity		• 90% brightness uniformity							
Display technology	type		• 3-chip 0.95" DMD							
	native resolution		• SX+ (1400 x 1050)					• HD (1920 x 1080)		
Lamp	type		• Dual 200W P-VIP® Osram	• Dual 350W P-VIP Osram		• Dual 450W NSH		• Dual 200W P-VIP Osram	• Dual 350W P-VIP Osram	
	life	high power	• 2000 hrs @ 200W	• 1500 hrs @ 350W		• 1250 hrs @ 450W		• 2000 hrs @ 200W	• 1500 hrs @ 350W	
		low power	• 3000 hrs @ 150W	• 2000 hrs @ 300W		• 1500 hrs @ 360W		• 3000 hrs @ 150W	• 2000 hrs @ 300W	
Input	standard		• Analog (5 BNC) • Dual-link DVI		• Analog (5 BNC) • Dual-link DVI • 3G SD/HD-SDI • Video decoder	• Analog (5 BNC) • Dual-link DVI	• Analog (5 BNC) • Dual-link DVI • 3G SD/HD-SDI • Video Decoder	• Analog (5 BNC) • Dual-link DVI		• Analog (5 BNC) • Dual-linkDVI • 3G SD/HD-SDI • Video decoder
	optional		• Analog (5 BNC) • Dual-link DVI • 3G SD/HD-SDI • Video Decoder • Twin HDMI • DMX512 interface card							
	signals		• HDTV formats VGA through to QXGA (2048 x 1536) • Accepts all current HDTV/DTV formats • Multi-standard video decoder • Horizontal and vertical scaling, all inputs							
	pixel clock		• 165 MHz							
	scan rates		• Horizontal: 15-120kHz • Vertical: 23.97-150Hz							
Inputs, control and networking			• RS-232 in/out • RS-422 in • Ethernet (10/100) • GPIO (RS-232 9 Pin male connector) • Built-in backlit LCD keypad • Remote control (with optional wired XLR connection)							
Optical system			• Dust sealed, 3-chip DMD light engine • Motorized horizontal and vertical lens offset • Scheimpflug (tilt) adjustment • Built-in light shutter • Tool-free lens insertion system							
Lenses	fixed		• 0.73:1 SX+/0.67:1 HD* • 1.2:1 SX+/1.1:1 HD							
	zoom		• 1.25-1.6:1 SX+/1.16-1.49:1 HD** • 1.5-2.0:1 SX+/1.4-1.8:1 HD • 2.0-2.8:1 SX+/1.8-2.6:1 HD • 2.8-4.5:1 SX+/2.6-4.1:1 HD • 4.5-7.5:1 SX+/4.1-6.9:1 HD • 7.5-11.2:1 SX+/6.9-10.4:1 HD							

	offsets[1]		• All lenses ±100% Vertical ±50% Horizontal except noted below
			  * 0.73:1 fixed lens ±23%V ±13%H
			  ** 1.25-1.6:1 zoom lens ±73%V ±45%H
								• All lenses ±120% Vertical ±42% Horizontal except noted below
								  * 0.67:1 fixed lens ±35%V ±12%H
								  ** 1.16-1.49.1 zoom lens ±102%V ±40%H		

Accessories	standard		• IR remote • Line cord		• Stacking frame • IR remote • Line cord	• IR remote • Line cord	• Stacking frame • IR remote • Line cord	• IR remote • Line cord		• Stacking frame • IR remote • Line cord
	optional		• Coarse dust filter • Fog juice filter • Ceiling mount • Ceiling mount extension • ILS lens adapter kit • Stacking frame • Christie AutoStack (optional curve module available)							
Enhanced feature sets			• LiteLOC • Comprehensive Color Adjustment (CCA) • Embedded Christie Twist image warping and edge-blending • Intelligent Lens System (ILS) for zoom, focus, horizontal and vertical offset for all lenses • Auto setup • Digital keystone correction • Dynamic iris[2] • Menus in five languages • 99 channel memories • Multi-windowing and processing (up to a 3x3 array) • Motorized yellow notch filter (HD and WUXGA models only) • Black level blending[3] • 24/7 operation • 3D upgradable[3] • Built-in portrait capabilities							
Power requirements	operating voltage		• 110-240 VAC 50/60Hz							
	maximum operating current		• 8.7A @ 100 VAC	• 13.2A @ 100 VAC		• 15A @ 100 VAC		• 8.7A @ 100 VAC	• 13.2A @ 100 VAC	
	power		• 870W	• 1320W		• 1500W		• 870W	• 1320W	
	dissipation		• 2971 BTU/hr	• 4508 BTU/hr		• 5118 BTU/hr		• 2971 BTU/hr	• 4508 BTU/hr	
Dimensions	size		• (LxWxH): 22.1 x 19.7 x 10.2" (561 x 500 x 259mm)							
	shipping size		• (LxWxH): 29.0 x 27.0 x 24.6" (735 x 685 x 625mm)							
	weight		• 55lbs (25kg) (without lens)							
	shipping weight		• 80lbs (36kg)							
Operating environment			• Temperature: 40-104°F (5-40°C) • Humidity: 20-80% non-condensing							
Regulatory approvals			• Directives (EC) 2002/95/EC (RoHS); 2002/96/EC (WEEE); Regulation (EC) No. 1907/2006 (REACH) • CAN/CSA C22.2 No. 60950-1 • UL 60950-1 • IEC 60950-1 • FCC, Part 15, Subpart B, Class A • EN55022/CISPR22 Class A • EN55024 / CISPR24 • Certifications marks (check with Christie for latest update): cULus (Canada & US), CE (EU), CCC (China), GoST-R (Russia), KC (Korea), PSE (Japan), C-Tick							
Limited warranty			• Three years parts and labor (including light engine) • Contact an authorized Christie representative for full details of our limited warranty							

[1] Values are for reference and should be validated with the Christie lens calculator.
[2] Not available in: DS+14K-M, Roadster S+14K-M, HD14K-M, Roadster HD14K-M, WU14K-M, Roadster WU14K-M models.
[3] Not available in WXGA models.

			SXGA+ (4:3)			HD (16:9)		
			Mirage DS+6K-M	Mirage DS+10K-M	Mirage DS+14K-M	Mirage HD6K-M	Mirage HD10K-M	Mirage HD14K-M
Image	brightness	dual lamp	• 6300 ANSI lumens (6930 center lumens)	• 10,500 ANSI lumens (11,550 center lumens)	• 12,500 ANSI lumens (14,000 center lumens)	• 6000 ANSI lumens (6600 center lumens)	• 10,000 ANSI lumens (11,000 center lumens)	• 12,000 ANSI lumens (13,500 center lumens)
		single lamp	• 3150 ANSI lumens (3465 center lumens)	• 5250 ANSI lumens (5775 center lumens)	• 6250 ANSI lumens (7000 center lumens)	• 3000 ANSI lumens (3300 center lumens)	• 5000 ANSI lumens (5500 center lumens)	• 6000 ANSI lumens (6750 center lumens)
	contrast		• 2500-10,000:1 (full on/off) 650:1 ANSI (typical)					
	uniformity		• 90% brightness uniformity					
Display	type		• 3-chip 0.95" DMD					
	native resolution		• SXGA+ (1400 x 1050)			• HD (1920 x 1080)		
	frame delay		• As little as one frame					
Lamp	type		• Dual 200W P-VIP Osram	• Dual 350W P-VIP Osram	• Dual 450W NSH	• Dual 200W P-VIP Osram	• Dual 350W P-VIP Osram	• Dual 450W NSH
	life	high power	• 2000 hrs @ 200W	• 1500 hrs @ 350W	• 1000 hrs @ 450W	• 2000 hrs @ 200W	• 1500 hrs @ 350W	• 1000 hrs @ 450W
		low power	• 3000 hrs @ 150W	• 2000 hrs @ 300W	• 1500 hrs @360W	• 3000 hrs @ 150W	• 2000 hrs @ 300W	• 1500 hrs @360W
Input	standard		• Two dual link DVI-I with VGA		• 2x Dual-link DVI	• Two dual link DVI-I with VGA		• 2x Dual-link DVI
	optional		• Analog (5 BNC) • Dual-link DVI • 3G SD/HD-SDI • Video Decoder • Twin HDMI • DMX512 interface card					
	signals 2D		• HDTV formats VGA through to QXGA (2048 x 1536) • Accepts all current HDTV/DTV formats • Multi-standard video decoder • Horizontal and vertical scaling, all inputs					
	signals 3D		• Native 3D 48-60Hz per eye • Frame doubled 3D 24-30Hz per eye • Dual input 3D 48-60Hz per eye • HDMI 1.4a Frame packed and Side-by-Side Horizontal					
	pixel clock		• 330 MHz					
	scan rates		• Horizontal: 15-120 kHz • Vertical: 23.97-50 Hz (frame-locked maximum 120Hz)					
Inputs, control and networking			• RS-232 in/out • RS-422 In • Ethernet (10/100) • GPIO (RS-232 9 Pin male connector) • Built-in backlit LCD keypad • Remote control (with optional wired XLR connection) • Slot 1-2 populated, standard: Input 3D compatibility) • Slot 3-4 unpopulated					
Optical system			• Dust sealed, 3-chip DMD light engine • Motorized horizontal and vertical lens offset • Scheimpflug (tilt) adjustment • Built-in light shutter • Tool-free lens insertion system					
Lenses	fixed		• 0.73:1 SX+/0.67:1 HD/WU* • 1.2:1 SX+/1.1:1 HD/WU					
	zoom		• 1.25-1.6:1 SX+/1.16-1.49:1 HD/WU** • 1.5-2.0:1 SX+/1.4-1.8:1 HD/WU • 2.0-2.8:1 SX+/1.8-2.6:1 HD/WU • 2.8-4.5:1 SX+/2.6-4.1:1 HD/WU • 4.5-7.5:1 SX+/4.1-6.9:1 HD/WU • 7.5-11.2:1 SX+/6.9-10.4:1 HD/WU					
	offsets[1]		• All lenses ±100% Vertical ±50% Horizontal except where noted * 0.73:1 fixed lens ±23%V ±13%H ** 1.25-1.6:1 zoom lens ±73%V ±45%H			• All lenses ±120% Vertical ±54% Horizontal except where noted * 0.67:1 fixed lens ±35%V ±12%H ** 1.16-1.49.1 zoom lens ±102%V ±40%H		
Accessories	standard		• Two (330 MHz) DVI-D input cards • IR remote • Line cord • GPIO 3D sync cable					
	optional		• Coarse dust filter • Fog juice filter • Ceiling mount • Ceiling mount extension • ILS lens adapter kit • Stacking frame • Christie AutoStack (optional curve module available)					
Enhanced feature sets			• LiteLOC • Comprehensive Color Adjustment (CCA) • Embedded Christie Twist image warping and edge-blending • Intelligent Lens System (ILS) for zoom, focus, horizontal and vertical offset for all lenses • 99 channel memories • Black level blending • 24/7 operation • Motorized yellow notch filter (HD & WUXGA models only) • Built-in portrait capabilities					
Power requirements	operating voltage		• 100-240 VAC 50/60Hz					
	maximum operating current		• 8.7A @ 100 VAC	• 13.2A @ 100 VAC	• 15A @ 100 VAC	• 8.7A @ 100 VAC	• 13.2A @ 100 VAC	• 15A @ 100 VAC
	maximum operating power				• 1500W			• 1500W
	dissipation		• 2971 BTU/hr	• 4508 BTU/hr	• 5118 BTU/hr	• 2971 BTU/hr	• 4508 BTU/hr	• 5118 BTU/hr
Dimensions	size		• (LxWxH): 22.1 x 19.7 x 10.2" (561 x 500 x 259mm)					
	shipping dimensions		• (LxWxH): 29.0 x 27.0 x 24.6" (735 x 685 x 625mm)					
	weight		• 55lbs (25kg) (without lens)					
	shipping weight		• 80lbs (36kg)					
Operating environment			• Temperature: 40-104°F (5-40°C) • Humidity: 20-80% non-condensing					
Regulatory approvals /markings			• Directives (EC) 2002/95/EC (RoHS); 2002/96/EC (WEEE); Regulation (EC) No. 1907/2006 (REACH) • CAN/CSA C22.2 No. 60950-1 • UL 60950-1 • IEC 60950-1 • FCC, Part 15, Subpart B, Class A • EN55022/CISPR22 Class A • EN55024 / CISPR24 • Certifications marks (check with Christie for latest update): cULus (Canada & US), CE (EU), CCC (China), GoST-R (Russia), KC (Korea), PSE (Japan), C-Tick					
Limited warranty			• Three years parts and labor (including light engine) • Contact an authorized Christie representative for full details of our limited warranty					

[1] Values are for reference and should be validated with the Christie lens calculator. [2] Not available in the following models: Mirage DS+14K-M, Mirage HD14K-M, Mirage WU14K-M.

WUXGA (16:10)		
Mirage WU7K-M	Mirage WU12K-M	Mirage WU14K-M
• 6300 ANSI lumens (6930 center lumens)	• 10,500 ANSI lumens (11,550 center lumens)	• 12,500 ANSI lumens (14,000 center lumens)
• 3150 ANSI lumens (3465 center lumens)	• 5250 ANSI lumens (5775 center lumens)	• 6250 ANSI lumens (7000 center lumens)

• 3-chip 0.96" DMD

• WUXGA (1920 x 1200)

• Dual 200W P-VIP Osram	• Dual 350W P-VIP Osram	• Dual 450W NSH
• 2000 hrs @ 200W	• 1500 hrs @ 350W	• 1000 hrs @ 450W
• 3000 hrs @ 150W	• 2000 hrs @ 300W	• 1500 hrs @360W
• Two dual link DVI-I with VGA		• 2x Dual-link DVI

two Dual Link DVI-D (330 MHz) input cards (each has VGA (165 MHz) for 3D or Dual

• All lenses ±112% Vertical ±54% Horizontal except where noted
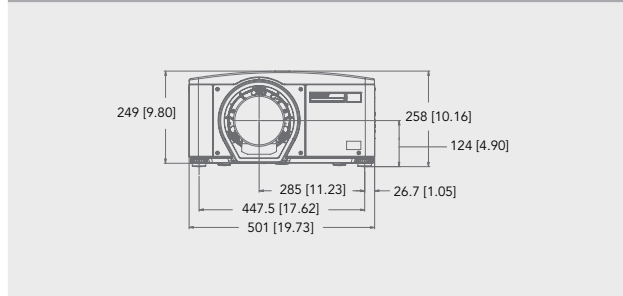 * 0.67:1 fixed lens ±22%V ±6%H ** 1.16-1.49:1 zoom lens ±82%V ±38%H

• Auto setup • Digital keystone correction • Dynamic iris[2] • Menus in five languages

• 8.7A @ 100 VAC	• 13.2A @ 100 VAC	• 15A @ 100 VAC
		• 1500W
• 2971 BTU/hr	• 4508 BTU/hr	• 5118 BTU/hr

(Australia & New Zealand), South Africa

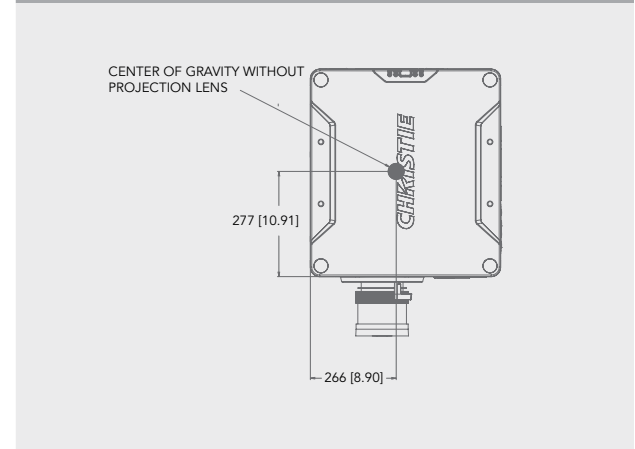| Description	Part number	Dimension 'A'
Lens ILS 0.73:1 SX+/0.67:1 HD	118-100110-XX	217mm (8.54")
Lens ILS 1.2SX+/1.1HD	118-100117-XX	281mm (11.06")
Lens ILS 1.25-1.6 SX+/1.16-1.49 HD	118-100111-XX	238mm (9.37")
Lens ILS 1.5-2.0 SX+/1.4-1.8 HD	118-100112-XX	206mm (8.11")
Lens ILS 2.0-2.8 SX+/1.8-2.6 HD	118-100113-XX	171mm (6.73")
Lens ILS 2.8-4.5 SX+/2.6-4.1 HD	118-100114-XX	157mm (6.18")
Lens ILS 4.5-7.5 SX+/4.1-6.9 HD	118-100115-XX	141mm (5.51")
Lens ILS 7.5-11.2 SX+/6.9-10.4 HD	118-100116-XX	201mm (7.91")

Front view

249 [9.80]
258 [10.16]
124 [4.90]
285 [11.23]
26.7 [1.05]
447.5 [17.62]
501 [19.73]

Side view

DIMENSION "A" (see chart)
562 [22.11]

Top view

CENTER OF GRAVITY WITHOUT PROJECTION LENS

277 [10.91]
266 [8.90]

Underneath view

414.00 [16.30]
358.00 [14.09]
212.72 [8.37]
36.22 [1.43]

RIGGING POINTS
6X M8X1.25⊽16
HOLES MARKED "D"

SAFETY POINT
M8X1.25⊽18

258.50 [10.18]
194.50 [7.66]
99.5 [3.92]
36.50 [1.44]
145.50 [5.73]
173.75 [6.84]
177.7 [7.00]
40.50 [1.59]
43.5 [1.71]

3 FOR 3
3 YEAR WARRANTY
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AMX

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

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