

# CHRISTIE M 4K15 RGB/M 4K+15 RGB

Live events and projection mapping | Auditoriums and conference centers | Planetariums and museums | Theme park attractions  
Sports venues | Hospitality and tourism

## An icon, re-imagined

How do you improve on your most iconic projector series? Go beyond what everyone believes is possible, that's how.

The Christie® M 4K RGB Series re-imagines and reinvents the rugged and reliable M Series industry workhorse with innovative, cutting-edge RGB pure laser technology.

The M 4K15 RGB and M 4K+15 RGB provide 15,750 lumens with 4K UHD and 4K UHD+ resolution, quiet operation, double the color, and quadruple the resolution of our legacy M Series.

With full brightness at 100-120 or 200-240 VAC and a field-replaceable laser optical system, these models deliver excellent, long-life performance in the most demanding applications.

## Why choose the M 4K RGB series?

- › An expanded color gamut that produces ~98% of the Rec. 2020 color space for rich, vibrant, and true-to-life visuals.
- › Our TruLife+™ electronics platform provides "all-in" connectivity, eliminating the hassle and cost of removable option cards.
- › Electronic color convergence (ECC) allows you to select red, green, or blue individually and converge via remote.
- › Compatible with legacy M, J, and Crimson Series projector lenses and the legacy M Series rigging frame.
- › Christie LiteLOC™ automatically manages brightness over time in higher ambient temperatures to ensure your presentation is the same as day-one.
- › Quiet operation — 41 dBA in quiet fan mode.
- › The M 4K+15 RGB features Christie Precision Pixel-Shifting technology, which enables superior, detailed, artifact-free 4K UHD+ performance in comparison to other pixel-shifting



Technical specifications		Christie M 4K15 RGB	Christie M 4K+15 RGB
Image	brightness <sup>1,2</sup>	<ul style="list-style-type: none"> <li>• 15,750 ISO lumens</li> <li>• 14,000 ANSI lumens</li> </ul>	
	contrast	<ul style="list-style-type: none"> <li>• 2700:1 On/Off</li> <li>• 6000:1 On/Off<sup>3</sup> with optional UHC lenses</li> </ul>	<ul style="list-style-type: none"> <li>• 2200:1 On/Off</li> <li>• 4900:1 On/Off<sup>3</sup> with optional UHC lenses</li> </ul>
Display technology	type	• Dust-sealed 3DLP (0.95")	
	resolution	<ul style="list-style-type: none"> <li>• 3840 x 2160 precision pixel-shifted (4K UHD)</li> <li>• 1920 x 1080 native</li> </ul>	<ul style="list-style-type: none"> <li>• 3840 x 2400 precision pixel-shifted (4K UHD+)</li> <li>• 1920 x 1200 native</li> </ul>
Sound		• 43.8 dBA <sup>4,5</sup>	
Illumination	type	• Solid state pure RGB (red, green & blue) laser optical system (LOS)	
	performance	<ul style="list-style-type: none"> <li>• 25,000 hours to 50% brightness when operated at 100% brightness<sup>6</sup></li> <li>• 50,000 hours to 50% brightness when operated at 60% brightness<sup>6</sup></li> </ul>	
	color performance	• ~98% coverage of the Rec. 2020 color gamut	
	field replaceable	• Yes	
Orientation		• Omnidirectional	
Image processing		• Christie TruLife+™ electronics, 1.2Gpx/s	
Frame rates	standard	• 24-60 Hz	
	optional	<ul style="list-style-type: none"> <li>• Mirage option: 96-120 Hz 4K in 2D or 3D at 60 Hz per eye</li> <li>• Mirage Pro option: Mirage + 240-480 Hz HD scaled</li> </ul>	
Inputs	standard	<ul style="list-style-type: none"> <li>• 1 x HDMI 2.1</li> <li>• 2 x HDMI 2.0</li> <li>• 2 x DisplayPort 1.4</li> <li>• 2 x DisplayPort 1.2</li> <li>• 4 x 12G-SDI (Micro BNC)</li> <li>• Christie® Link 1 input/1 output (2x Fiber/QSFP+)</li> <li>• 3D Sync (1 input/1 output)</li> </ul>	
User controlled warping and blending	standard	• Christie Twist™ (complimentary software download)	
	optional	• Twist Premium and Twist Pro	
Automated warping and blending	standard	• Christie Mystique™ Lite (Complimentary software download. Requires an off-the-shelf web/Ethernet camera.)	
	optional	• Mystique - Essentials, Pro Venue, Premium & Large Scale Experience Editions	
Multi-projector management	standard	• Christie Conductor software monitors and controls up to 256 projectors (complimentary software download)	
Lenses	standard	<ul style="list-style-type: none"> <li>• 0.37:1 ultra short throw fixed lens - ILS1</li> <li>• 0.67:1 fixed lens - ILS1</li> <li>• 0.8-1.16:1 zoom lens - ILS1</li> <li>• 1.1:1 fixed lens - ILS1</li> <li>• 1.16-1.49:1 zoom lens - ILS1</li> <li>• 1.4-1.8:1 zoom lens - ILS1</li> <li>• 1.8-2.6:1 zoom lens - ILS1</li> <li>• 2.6-4.1:1 zoom lens - ILS1</li> <li>• 4.1-6.9:1 zoom lens - ILS1<sup>7</sup></li> <li>• 6.9-10.4:1 zoom lens - ILS1<sup>7</sup></li> </ul>	
	ultra high contrast <sup>3</sup>	<ul style="list-style-type: none"> <li>• 0.67:1 UHC fixed lens - ILS1</li> <li>• 0.8-1.16:1 UHC zoom lens - ILS1</li> <li>• 1.28-1.87:1 UHC zoom lens - ILS1</li> </ul>	
Power	line voltage	<ul style="list-style-type: none"> <li>• 100-240 VAC, 50/60 Hz single phase</li> <li>• Operating current: 12A (100 VAC), 6A (200-240 VAC)</li> <li>• Full brightness can be achieved at 110V</li> </ul>	
	power consumption	<ul style="list-style-type: none"> <li>• 827W typical (2,822 BTU/hr)</li> <li>• 1,200W max (4,136 BTU/hr)</li> </ul>	
Cooling		• Liquid, self-contained	
Laser class		<ul style="list-style-type: none"> <li>• Class 1 — Risk Group 3</li> <li>• Class 1 — Risk Group 2 when used with 0.37:1, 0.67:1, 1.1:1, 0.8-1.16:1 lenses only.</li> </ul>	
Operating environment		<ul style="list-style-type: none"> <li>• 41-104 F (5-40 C)</li> <li>• Relative humidity: 10-80% non-condensing</li> </ul>	
Dimensions	size (LxWxH)	• 24.3 x 20.7 x 10.6" (617 x 525 x 270 mm) <sup>8</sup>	
	shipping size (LxWxH)	• 37 x 31 x 25" (940 x 787 x 635 mm)	
	weight	• 83.8 lbs (38.1 kg) <sup>8</sup>	
	shipping weight	• 135 lbs (61.2 kg)	
Warranty		<ul style="list-style-type: none"> <li>• Three years parts and labor</li> <li>• Reference the Christie Standard Limited Warranty document for details</li> <li>• Or contact an authorized Christie representative for full details of our limited warranty</li> </ul>	

<sup>1</sup> Brightness level is +/- 10%. D65 white point measured at 73.4 F (23 C).

<sup>2</sup> Standard fan mode.

<sup>3</sup> Brightness is reduced by up to 15% with use of ultra high-contrast lenses.

<sup>4</sup> 41.0 dBA in quiet fan mode at 73.4 F (23 C)

<sup>5</sup> 43.8 dBA in standard fan mode at 73.4 F (23 C)

• Sound pressure measurement, measuring conditions, and method of notation all comply with ISO 7779:1999.

<sup>6</sup> To 50% brightness. Based on 9-point average (results may vary depending on environmental conditions i.e., ambient temperature, humidity, dust, smog, or other contaminants.)

<sup>7</sup> New or legacy M, J, and Crimson Series projector lenses require lens hood extension for Class 1 RG3.

<sup>8</sup> Without lens.

For the most current specification information, please visit [christiedigital.com](http://christiedigital.com)

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