

Christie Matrix SIM WUXGA

Technical specifications		Christie Matrix SIM WUXGA – (1920 x 1200) single DMD – Part number: 125-001124-01
Image	brightness	• 600 lumens ANSI $\pm 10\%$ (rated at 75-80% EBU depending on the lens)
	contrast	• 10,000:1 dynamic contrast (under LED control) • No mechanical iris required
	uniformity	• 95% brightness and color uniformity after electronic adjustment
Display technology	type	• Revolutionary solid state projector using a single TI Darkchip 3™ DMD with a solid state illumination engine (no color wheel) and sealed optics
	native resolution	• Native 1920 x 1200 (16:10 aspect ratio) WUXGA
Input	signals	• Up to 1920 x 1200 WUXGA (Native 1920 x 1200 recommended)
	scan rates	• Vertical: 23.97-60Hz
Inputs/ outputs, control and networking	inputs	• DVI-D and HD15 analog inputs standard • On-board Ethernet control capabilities (ChristieNET™ functionality) • Additional Ethernet connections for Christie ArrayLOC™ network • IR/wired remote control as part of optional user kit • 2 RS-232 ports and 1 RS-422 port
	optional	• Analog input card • DVI-I input card • HD-SDI input card
Optical system	lens mount	• Mechanical, horizontal and vertical lens shift • No shutter required • No iris required – user programmable illumination parameters (eliminates the need for a mechanical shutter)
	illumination	• Illumination package has a MTBF of 60,000 hrs • Light module can be changed in 15 minutes and is color and bright level matching in real-time to the projector array
	ArrayLOC	• Manages the brightness and color levels of all projectors within an array to a common level, in real-time with no additional latency
Lenses	fixed	• 0.64:1 WUXGA lens • 0.75:1 WUXGA lens
	zoom	• 1.2-1.6:1 WUXGA lens
	offsets	• 0.64:1 lens features $\pm 5\%$ (horizontal) and $\pm 5\%$ (vertical) offset when mounted in landscape orientation • 0.75:1 lens features $\pm 80\%$ (horizontal) and $\pm 100\%$ (vertical) offset when mounted in landscape orientation • 1.2-1.6:1 lens features $\pm 80\%$ (horizontal) and $\pm 100\%$ (vertical) offset when mounted in landscape orientation ¹
Accessories	standard	• Line cord
	optional	• Analog RGBHV input card • DVI-I input card • HD-SDI input card • Remote IR sensor • User kit (includes manual, IR remote) • Rugged Motion Platform user kit (purpose-built)
Enhanced feature sets		• Minimum Processing Latency (MPL™) • Christie Twist™ II – Advanced warping/edge-blending hardware technology integrated directly into the projector, includes warping/blending software • Auto setup, power up • Menus in 5 languages • AccuFrame adjustable to <6ms • Multiple channel memories (for recall memory storage) • Christie ArrayLOC – automatic, continuous management of brightness and color space levels of all projectors in the array to a common level, in real-time
Power requirements	operating voltage	• 100-240 VAC 50/60Hz
	operating current	• 5.3A
	dissipation	• 1364 BTU/hr
Physical	size	• Projector head module + light module (no lens): 8.7 x 18.4 x 11.0" (220 x 467 x 287mm) • Electronics module: 16.5 x 5.5 x 6.7" (420 x 140 x 170mm)
	weight	• Projector head module + light module (no lens): 32lbs (14.6kg) • Electronics module: 9.7lbs (4.4kg)
	shipping weight	• 52lbs (23.6kg)
Noise		• 38dBA at 25°C ambient temperature (without electronics module)
Environment		• Temperature: 40-95°F (5-35°C) • Humidity: 20-80% non-condensing
Regulatory approvals		• Directives (EC) 2011/65/EU (RoHS) • 2012/19/EU (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), GoS-TR (Russia), KC (Korea), PSE (Japan), C-Tick (Australia & New Zealand)
Warranty		• Two years parts and labor • Contact an authorized Christie representative for full details of our limited warranty

¹ Each offset is specified with the other at zero. Simultaneous horizontal and vertical offsets may limit the adjustment range of each.

Ruggedized/Build to order

Several of our models will be available on a build to order basis and may include ruggedization for use on motion platforms. For details, please contact your Christie sales representative.

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