

Christie Matrix StIM WQ and SIM WQ

Technical specifications		Christie Matrix StIM™-WQ – (2560 x 1600) WQXGA, solid state illumination, dual input, RGB and IR – Part number: 130-002103-01	Christie Matrix SIM-WQ – (2560 x 1600) WQXGA, solid state illumination, single input, RGB – Part number: 130-003104-01
Image	luminous flux	• 800 ANSI lumens	
	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	• 2560 x 1600 WQXGA	
	output frame rate	• 60Hz or 120Hz	• 60Hz
Input	signal format	• 2560 x 1600 WQXGA (VESA RB)	
	input frame rate	• 60Hz with single input or 2 x 60Hz with dual input	• 60Hz with single input
Inputs/ outputs, control and networking	inputs	• On-board Ethernet control capabilities • Additional Ethernet connections for Christie ArrayLOC™ network	
		• IR/wired remote control as part of optional user kit • 2 x RS-232 ports and 1 x RS-422 port	
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	• Solid state illumination • Illumination lifetime greater than 50,000 hrs (to 50% output)	
Lenses	ArrayLOC™	• Manages the brightness and color levels of all projectors within an array to a common level, in real-time with no additional latency	
	fixed	• 0.68:1 fixed, optimized for IR and visible light • 0.80:1 fixed, optimized for IR and visible light	
	zoom	• 1.28-1.71:1 zoom, optimized for IR and visible light	
	offsets	• 0.68:1 lens features ±5% (horizontal) and ±15% (vertical) offset when mounted in landscape orientation ¹ • 0.80:1 lens features +100%/-60% (horizontal) and +150%/-100% (vertical) offset when mounted in landscape orientation ¹ • 1.28-1.71:1 lens features +100%/-60% (horizontal) and +150%/-100% (vertical) offset when mounted in landscape orientation ¹	
Accessories	standard	• Line cord	
	optional	• User kit (includes manual, IR remote) • Rugged Motion Platform kit ² to withstand 5g shock load (purpose-built) • Ruggedized transit case • Remote IR sensor • Christie AutoCal™ ³ • Christie MotoBlend™ optical blending ³	
Enhanced feature sets	• Minimum Processing Latency (MPL™) • Auto power up • Menus in 5 languages • Christie AccuFrame™ smear reduction technology, fully adjustable in 1% increments to min hold time of <6ms • Christie ArrayLOC – automatic, continuous management of brightness and color space levels of all projectors in the array to a common level, in real-time		
	• Christie InfraScene™ – simultaneous, independent display of both visible light and infrared projection • Dual-channel compositing modes including InfraScene and 120Hz RGB interleaved modes		
Power requirements	operating voltage	• 100-240 VAC 50/60Hz	
	operating current	• 10A max (lower in normal operational modes)	
	dissipation	• 2316 BTU/hr max (lower in normal operational modes)	
Physical	size	• (LxWxH): 16 x 15.75 x 15.75 " (406 x 400 x 400mm) (without lens)	
	weight	• 88lbs (40kg) (without lens)	
	shipping weight	• 176lbs (80kg) (without lens)	
Environment	• Temperature: 40-95°F (5-40°C) • Humidity: 20-80% non condensing		
Orientation	• Portrait and landscape		
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 ; ICEES003 / NMB003 (A) • Certifications marks and product approvals (check with Christie for latest update): cULus (Canada & US), CE (EU), CCC (China), GoST-R (Russia), KC (Korea), PSE (Japan), C-Tick (Australia & New Zealand); South Africa; Mexico		
Warranty	• Standard warranty: Two years parts and labor • Extended warranty options available • Contact an authorized Christie representative for full details of our limited warranty		

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

²StIM WQ and SIM WQ are both available with a Ruggedized Motion Platform kit. These are purpose built to interface with customers' motion platform structures and available on a build-to-order basis. For details, please contact your Christie sales representative.

³For details, please contact your Christie sales representative.

Corporate offices

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

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

Worldwide offices

Australia
ph: +61 (0) 7 3624 4888

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

**Independent sales
consultant offices**

Italy
ph: +39 (0) 2 9902 1161



ISO 9001
ISO 14001
Kitchener, Ontario

For the most current specification information, please visit www.christiedigital.com

Copyright 2014 Christie Digital Systems USA, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Christie Digital Systems Canada Inc.'s management system is registered to ISO 9001 and ISO 14001.

Performance specifications are typical. Due to constant research, specifications are subject to change without notice.
Printed in Canada on recycled paper. 3867 Jul 14

CHRISTIE®