

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	
		• 2 x Dual-link DVI-D	• 1 x Dual-link DVI-D
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) • Full spectrum InfraRGB™ • RGB	
	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	• 0.68:1 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.

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