

Christie MicroTiles

Architectural design
Broadcast sets
Control rooms

Corporate
Live events
Museums

Retail
Stadiums
Universities



Perimeter Institute for Theoretical Physics, Waterloo, Ontario, Canada.



“The Christie MicroTiles’ high-resolution capabilities, vivid color and clarity really took us to that next level where we could bring information to life in all new ways.”

John Matlock, Director of External Relations and Public Affairs,
Perimeter Institute for Theoretical Physics

The ultimate digital canvas

With Christie® MicroTiles®, you have the ultimate freedom to create a digital display in any size and any shape.

Combining the strengths of DLP® and LED technology, Christie MicroTiles have higher resolution, brighter images and a much wider color palette than conventional LCD displays. With tiny seams and no practical limit to the number of tiles in a display, Christie MicroTiles produce a nearly seamless canvas of super-fine pixels. Images look amazing at any angle and viewing distance – even close up.

With rock-solid housing, durable screens and a long-lasting LED light engine, your Christie MicroTiles display delivers unmatched long life and reliability.

Want to incorporate touch screen interactivity into your display? Christie Interactivity Kit is tailor made for Christie MicroTiles. Modular and scalable, this easy-to-use kit transforms your display into a dynamic and responsive multi-touch surface. And, Christie MicroTiles are compatible with our range of industry-leading media servers and image processors – including Christie JumpStart and Christie Spyder X20.

Bring your space to life with Christie MicroTiles – the ultimate digital canvas.



Technical specifications

Model numbers	display unit	• D100	
	screen	• S300 • S310	
	external control unit (ECU)	• E100	
Physical specifications		Display unit with screen	ECU
	height	• 306mm (12.05")	• 50mm (1.97")
	width	• 408mm (16.06")	• 259mm (10.20")
	depth	• 260mm (10.24")	• 191mm (7.52")
	weight	• 9.2kg (20.3lbs)	• 1.6kg (3.5lbs)
Display specifications	screen size (diagonal)	• 510mm (20")	
	native resolution per tile	• 720 x 540	
	pixel pitch	• 0.567 x 0.567mm	
	LED lifespan (50% brightness)	• 65,000 hours	
	peak white color temperature	• 6500K	
	color temperature	• 3200-9600K	
	color space (CIE 1931)	• 115%	
	optical system	• DLP® 0.55" SVGA	
Screen specifications		S300	S310
	maximum calibrated brightness ¹	• 600 nits (cd/m ²)	• 600 nits (cd/m ²)
	screen gap (typical)	• 1.3mm at 25°C (77°F)	• 0.7mm at 25°C (77°F)
	operating temperature	• 5°C (41°F) minimum • 40°C (104°F) maximum	• 5°C (41°F) minimum • 35°C (95°F) maximum
	operating relative humidity	• 35-80% non-condensing	• 35-80% non-condensing
	shipping (boxed) temperature	• -20°C (-4°F) minimum • 50°C (122°F) maximum	• -20°C (-4°F) minimum • 50°C (122°F) maximum
Processing and control	input signal compatibility	• Single-link DVI-D (HDCP)	
	processor bit rate	• 165M pixels per second	
	data link bit rate	• 5Gbps	
	color processing	• 13 bits	
	refresh rate	• 47-63Hz frame-locked	
	control interface	• Ethernet with SNMP support, Serial	
Power	input rating	• Display unit: 100-240 VAC; 50/60Hz; 1.3A-0.54A • ECU: 100-240 VAC; 50/60Hz; 0.20A	
	power consumption per tile	• 70W typical, 16W standby, 110W design limit ¹	
	power consumption per ECU	• 8.5W typical	
	heat load per tile	• 239 BTUs/hr typical, 375 BTUs/hr design limit ¹	
Operating specifications	clearance for ventilation (rear)	• 50mm (2") minimum	
	vibration/motion limit	• 0.5G	
	sound pressure per tile	• 35dB typical at 25°C (77°F) ambient	
	run time	• 24/7	
Accessories	• Mounting brackets for each tile above 5 high • Base feet for levelling the bottom row		
	• Rear air filter		
Regulatory approvals	• Directives (EC) 2011/65/EU (RoHS) • 2012/19/EU (WEEE) • Regulation (EC) No. 1907/2006 (REACH)		
	• CAN/CSA C22.2 No. 60950-1-03 2nd Edition • UL 60950-1, 2nd Edition • IEC 60950-1:2001, 2nd Edition • FCC, Part 15, Subpart B, Class A • EN55022/CISPR22 Class A • EN55024/CISPR24		
	• CE (EU) • GoST-R (Russia) • KC (Korea) • PSE (Japan) • C-Tick (Australia & New Zealand)		
	• Singapore • Dubai • CCC (China) • South Africa		
Limited warranty	• Two years parts and labor		
	• Contact an authorized Christie representative for full details of our limited warranty		

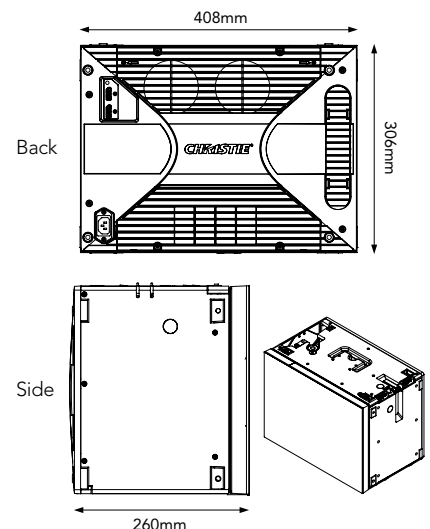
¹ Under recommended (typical) operating conditions, brightness/color matching is enabled across the canvas. However, if brightness and color matching is disabled, higher brightness and power levels are achievable; up to 110 watts per tile. When designing a cooling or electrical system, this maximum design limit of 110W (375 BTUs/hr) should be used to ensure a reasonable safety factor. Refer to the Christie MicroTiles Specification and Application Guide, available on christiedigital.com, for more details.



Designing a system

Some display technologies can be difficult to visualize, specify and order. With Christie MicroTiles Designer 2.0, you can see how your design will look in your space, create a simple reference diagram, and generate a bill of materials so you can order everything you need. Christie MicroTiles Designer 2.0 is available at christiedigital.com/microtilesdesigner

Display unit with screen



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