

CHRISTIE MICROTILES

Architecture
Event production
Command and control
Out-of-home advertising



THE NEW DIGITAL CANVAS

Christie® MicroTiles™ take display technology into a new frontier. Built on proven DLP® technology and specifically designed for maximum image quality in high-ambient light environments, Christie MicroTiles are ideal for a wide range of demanding applications, including architectural elements, out-of-home advertising, command and control video walls, and event production. Leveraging the strengths of both rear projection and Light Emitting Diode (LED) technology, Christie MicroTiles offer substantially brighter images and a much wider color palette than conventional LCD and plasma displays. With no practical limit to the number of tiles in a display, Christie MicroTiles produce a virtually seamless canvas with an unlimited number of super-fine pixels.

Limited only by your imagination: Christie MicroTiles can be configured in any shape and size. See your ideas come to life, wherever, whenever and however you want.

Snap, link and go: Lightweight tiles lock together quickly and easily, like building blocks. Sit back while the tiles automatically detect each other and continuously self-calibrate for color and brightness. Tear them down, reconfigure them and they'll still recognize each other and recalibrate for you automatically.

Built to last: With rock-solid housing, durable screens and a long-lasting LED light engine, your Christie MicroTiles display is built for the long run. But just to be sure, each tile is 100% front accessible, allowing you to repair or replace any serviceable component in less than 15 minutes, without having to turn off or bring down any of the other tiles. With almost no downtime, your Christie MicroTiles display delivers the kind of long life and reliability ideal for generating ad revenue or making life-saving decisions.

When color matters: Christie MicroTiles offer you color reproduction capability that exceeds standard LCD displays by over 50%. When you need a specific red, it gives you that red; brown – no longer a challenge. Maintain creative intent, your brand identity, and your vision by utilizing Christie MicroTiles.

Higher resolution: In this pixel powerhouse, you get 70x more pixels than the most popular 4mm surface-mount display LEDs. Your logo will never look blurred again. Your art will always look flawless. Your geographical content will never be misleading. And your message will be seen.

Position is not a factor: Christie MicroTiles look amazing at any angle and any viewing distance. Plus, you can walk right up to the display for a closer look, even touch it – it's cool and remains that way without sending your energy bills through the roof.



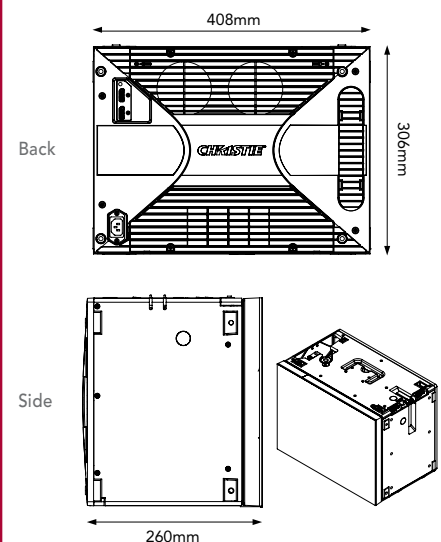
DESIGNING A SYSTEM

Some display technologies can be difficult to visualize, specify and order. With Christie MicroTiles Designer™ software, planning and visualizing a Christie MicroTiles display can be done in minutes, and all the appropriate technical output is generated automatically. Christie MicroTiles Designer software is available for free at christiedigital.com/microtiles

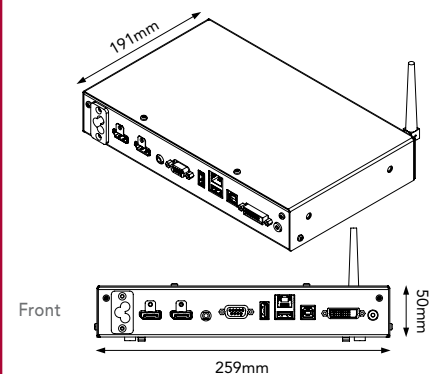
Technical specifications			
Model numbers	display unit	• D100	
	screen	• S100	
	external control unit (ECU)	• E100	
Physical specifications		Display unit	ECU
	height	• 306mm (12.05")	• 50mm (1.97")
	width	• 408mm (16.06")	• 259mm (10.20")
	depth	• 260mm (10.24")	• 191mm (7.52")
	weight	• 9.2kg (20.3lbs)	• 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	
	maximum calibrated brightness	• 800 nits (cd/m ²)	
	LED lifespan (50% brightness)	• 65,000 hours	
	peak white color temperature	• 6500K	
	adjustable gamma	• Yes	
	color space (CIE 1931)	• 115%	
	optical system	• DLP® 0.55" SVGA	
Processing and control	input signal compatibility	• Single-link DVI	
	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, USB 2.0, Serial	
Power	power supply	• AC 110V/220V, 50Hz/60Hz	
	power consumption per tile at full brightness	• 110W typical* • 130W maximum	
	heat load per tile at full brightness	• 375 BTUs/hr typical* • 443 BTUs/hr maximum	
Operating specifications	operating temperature	• 5°C (41°F) minimum • 40°C (104°F) maximum	
	humidity	• 35-85% non condensing	
	clearance for ventilation (rear)	• 50mm (2") minimum	
	vibration/motion limit	• 0.5G	
	noise level per tile at full brightness	• 45dB 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		
Regulatory approvals	• 2002/95/EC RoHS CAN/CSA C22.2. No 60950-1-03 First edition • Certifications pending		
Limited warranty	• 2 years parts and labor • Contact an authorized Christie representative for full details of our limited warranty		

* In an array with brightness and color matching enabled, actual power consumption and heat load at full brightness may be up to 30% lower.

Display unit



External Control Unit (ECU)



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



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