

Christie MicroTiles

Architectural design Museums
Broadcast sets Retail
Corporate Stadiums
Live events 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 New Digital Canvas

Built on proven DLP® technology and designed for superior image quality in high-ambient light environments, Christie® MicroTiles® elevate display technology to a new level.

You have the freedom to create a digital display in any size and any shape, thanks to Christie MicroTiles’ unobtrusive, building-block design. See your ideas come to life, wherever, whenever and however you want.

Using the strengths of rear projection and Light Emitting Diode (LED) technology, Christie MicroTiles have higher resolution, substantially brighter images and a much wider color palette than conventional

LCD and plasma displays. With 1mm seams and no practical limit to the number of tiles in a display, Christie MicroTiles produce a nearly seamless canvas with an unlimited number of super-fine pixels.

Christie MicroTiles’ images look amazing at any angle and viewing distance. Walk right up to the display for a closer look, even touch it. Christie MicroTiles’ screens stay cool without sending your energy bills through the roof. With rock-solid housing, durable screens and a long-lasting LED light engine, your Christie MicroTiles display delivers unmatched long life and reliability.



Technical specifications			
Model numbers	display unit	• D100	
	screen	• S300	
	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")
Display specifications	weight	• 9.2kg (20.3lbs)	• 1.6kg (3.5lbs)
	screen size (diagonal)	• 510mm (20")	
	native resolution per tile	• 720 x 540	
	pixel pitch	• 0.567 x 0.567mm	
	screen gap	• 1.3mm typical at 25°C (77°F) ambient	
	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	maximum calibrated brightness	• 600 nits (cd/m²)	
	operating temperature	• 5°C (41°F) minimum • 40°C (104°F) maximum	
	storage temperature	• -20°C (-4°F) minimum • 50°C (122°F) maximum	
	operating humidity	• 35-80% non-condensing	
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	power supply	• AC 110V/220V, 50Hz/60Hz
power consumption per tile		• 70W typical, 16W standby	
power consumption per ECU		• 8.5W typical	
heat load per tile		• 239 BTUs/hr typical	
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		
Regulatory approvals	• Directives (EC) 2002/95/EC (RoHS) • 2002/96/EC (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		
Limited warranty	• Two years parts and labor • Contact an authorized Christie representative for full details of our limited warranty		

All specifications are based on a typical canvas of Christie MicroTiles operating at maximum brightness with color and brightness matching enabled. For more detailed specifications across a broader range of operating conditions, please refer to the User Manual.

Corporate offices

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

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

Independent sales consultant offices

Italy
ph: +39 (0) 2 9902 1161

South Africa
ph: +27 (0) 317 671 347

Worldwide offices

United Kingdom
ph: +44 (0) 118 977 8000

Germany
ph: +49 2161 664540

France
ph: +33 (0) 1 41 21 44 04

Spain
ph: +34 91 633 9990

Eastern Europe and Russian Federation
ph: +36 (0) 1 47 48 100

United Arab Emirates
ph: +971 4 3206688

India
ph: +91 80 6708 9999

Singapore
ph: +65 6877 8737

China (Shanghai)
ph: +86 21 6278 7708

China (Beijing)
ph: +86 10 6561 0240

Japan (Tokyo)
ph: 81 3 3599 7481

Korea (Seoul)
ph: +82 2 702 1601



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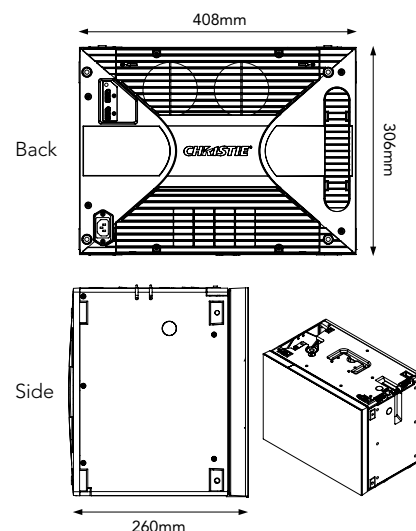
InfoComm Green AV Award



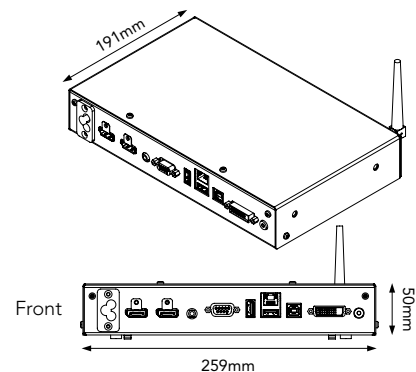
Designing a system

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

Display unit with screen



External Control Unit (ECU)



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