

CHRISTIE CORE SERIES II

Reliable, affordable, high-value LED video walls

Christie® Core Series II LED tiles offer a reliable and affordable option for video wall applications. Available in a range of pixel pitches, Core Series II is ideal for permanent indoor applications where budget is a factor, from public spaces and corporate venues, to industry and government command and control rooms.

Core LED includes our ADA-compliant direct-mount system, which provides a sleek form factor and eliminates the need for a costly mounting frame. Redundant on-board power as well as front-serviceability makes Core LED easy to install and maintain. Like all Christie LED, we back Core Series II with industry-leading warranties, support, and leasing programs—giving you the ultimate peace of mind.

Key features

- › Available in a range of pixel pitches—from 0.9mm to 2.5mm
- › 24/7 operation
- › Simple, concealed cable design
- › Redundant on-board power
- › Full-front access for easy installation and service
- › ADA-compliant direct-mount system
- › Scales to common resolutions including HD and 4K
- › Powered by our E510 or the E600 controller for simple system design and enhanced processing that can deliver 4K@60Hz, HDR10 and low-brightness enhancements



CHRISTIE®

Technical specifications

Christie Core Series II

		LED009-C2-I	LED012-C2-I	LED015-C2-I	LED018-C2-I	LED025-C2-I
Display technology	pixel pitch	• 0.9mm	• 1.25mm	• 1.5625mm	• 1.875mm	• 2.5mm
	pixel configuration	• 3-in-1 (1red 1 green 1 blue)				
	pixel density	• 1,137,777 pixels/m ²	• 640,000 pixels/m ²	• 409,600 pixels/m ²	• 284,266 pixels/m ²	• 160,000 pixels/m ²
	maximum calibrated brightness	• 800 nits (cd/m ²)				
	aspect ratio	• 16:9				
	contrast ratio (full field)	• 5000:1 @ 1Lux • 2000:1 @ 10Lux				
	viewing angle	• 160°H, 160°V				
	refresh rate	• >3840Hz				
	scan rate	• 1/36	• 1/45	• 1/36	• 1/30	• 1/27
	color temperature	• 2700-9600K				
	display colors	• 4.39 trillion (14-bit)				
	color space	• 97% NTSC coverage				
	Signal	inputs	• E510 controller: DVI (HDCP), HDMI (HDCP), 3G-SDI • E600 controller: HDMI 2.0 (HDCP), DisplayPort 1.2 (HDCP), Dual DVI-D (HDCP)			
Power	power input rating – supply	• 100-240 VAC @ 50-60Hz				
	power consumption per tile	• 78W Typical • 235W Maximum	• 61W Typical • 182W Maximum	• 59W Typical • 176W Maximum	• 58W Typical • 174W Maximum	• 32W Typical • 97W Maximum
	heat output per tile	• 266 BTU/hr Typical • 802 BTU/hr Maximum	• 208 BTU/hr Typical • 620 BTU/hr Maximum	• 201 BTU/hr Typical • 600 BTU/hr Maximum	• 189 BTU/hr Typical • 594 BTU/hr Maximum	• 109 BTU/hr Typical • 331 BTU/hr Maximum
Environment	operating temperature	• 32-104°F (0-40°C)				
	operating humidity	• 20-75% non-condensing				
	storage temperature	• 14-122°F (-10-50°C)				
	environment	• Indoor				
	IP rating	• 30				
	LED lifespan	• 100,000 hours (typical)				
	runtime	• 24/7				
Physical	tile dimensions	• (WxHxD) 23.62 x 13.29 x 1.5" (600 x 337.5 x 38mm)				
	tile dimensions (installed)	• (WxHxD) 23.62 x 13.29 x 2.75" (600 x 337.5 x 70mm)				
	diagonal	• 27.1" (688mm)				
	tile area	• 2.18-ft ² (0.2025m ²)				
	tile resolution	• 640 x 360 pixels	• 480 x 270 pixels	• 384 x 216 pixels	• 320 x 180 pixels	• 240 x 135 pixels
	tile gross weight	• 15.87lbs (7.2kg) /78.26lbs (35.5) per square meter				
	tile net weight	• 14.33lbs (6.5kg) /70.77lbs (32.1kg) per square meter				
	total installed weight	• 15.65lbs (7.1kg) /77.28lbs (35.1kg) per square meter				
	tile array size to be achieved HD	• 3x3	• 4x4	• 5x5	• 6x6	• 8x8
	tile array size to be achieved UHD	• 6x6	• 8x8	• 10x10	• 12x12	• 16x16
	cabinet design	• Die-cast aluminum				
	orientation	• Landscape				
	service access	• Full service from front				
	installation options	• Flat				
	direct mount system	• Included, ADA-compliant				
additional system components	• Controller sold separately					
Certifications ¹	• CE (includes EMC), FCC, IC; CB, cULus/cCSAus/cETLus/cTUVus, RCM					
Warranty	• Three years parts and labor standard limited warranty, and extended warranty option available for a one-time fee at time of purchase. Contact an authorized Christie representative for full details					

¹ Certain of the listed certifications may be pending and not yet issued. For the current status of the listed certifications, please contact an authorized Christie representative.

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

Copyright 2023 Christie Digital Systems USA, Inc. All rights reserved. Our centers of excellence for manufacturing in Kitchener, Ontario, Canada and in Shenzhen, China are ISO 9001:2015 Quality Management System-certified. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. "Christie" is a trademark of Christie Digital Systems USA, Inc., registered in the United States of America and certain other countries. DLP® and the DLP logo are registered trademarks of Texas Instruments. Performance specifications are typical. Due to constant research, specifications are subject to change without notice.
CD3818-Christie-Core-Series-II-LED-Datasheet-Aug-23-EN

CHRISTIE®