

CHRISTIE VELVET CORE SERIES

High-value LED video walls

Christie® Velvet® Core offers a reliable and affordable option for LED video walls. Available in a range of pixel pitches, Core LED video walls are ideal for small-scale fixed installs and digital signage applications or larger projects where budget is a factor. With Core, you also benefit from the support and expertise that comes with choosing Christie.

Core includes our ADA-compliant direct-mount system, which allows it to be installed directly on to appropriate surfaces and eliminate the need for a costly mounting frame. On-board power and front serviceability makes Core easy to install and maintain. Like all Christie LED, it's backed by industry-leading warranties, support, and leasing programs - giving you the ultimate peace of mind.

Key features

- › Range of pixel pitches from 1.2mm to 2.5mm
- › 24/7 operation
- › 16:9 aspect ratio
- › On-board power
- › All service from the front
- › ADA-compliant direct-mount system
- › Scales to common resolutions including FHD and 4K
- › Compatible with our E600 controller for simple system design and enhanced processing that can deliver 4K@60Hz, HDR10 and low brightness enhancements



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Technical specifications

Christie Velvet Core Series

		LED012-C-I	LED015-C-I	LED018-C-I	LED025-C-I
Display technology	pixel pitch	• 1.25mm	• 1.5625mm	• 1.875mm	• 2.5mm
	pixel configuration	• 3-in-1 (1R1G1B)			
	pixel density	• 640,000 pixels/m ²	• 409,600 pixels/m ²	• 284,266 pixels/m ²	• 160,000 pixels/m ²
	maximum calibrated brightness	• 600 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	• >3000Hz			
	scan rate	• 1/27	• 1/27	• 1/30	• 1/27
	color temperature	• 2700-9600K			
	display colors	• 4.39 trillion (14-bit)			
	color space	• 95% NTSC coverage			
	Signal	inputs	• E500: DVI (HDCP), HDMI (HDCP), 3G-SDI • E600: 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	• 35W Typical • 105W Maximum		• 24W Typical • 70W Maximum	
	heat output per tile	• 119.42 BTU/hr Typical • 358.26 BTU/hr Maximum		• 81.89 BTU/hr Typical • 238.84 BTU/hr Maximum	
Environment	operating temperature	• 32-104°F (0-40°C)			
	operating humidity	• 10-90% non-condensing			
	storage temperature	• 14-122°F (-10-50°C)			
	environment	• Indoor			
	IP rating	• 30			
	LED lifespan (50% brightness)	• 75,000 hrs			
	runtime	• 24/7			
Physical	tile dimensions (installed)	• (WxHxD) 23.62x13.29x3.82" (600 x 337.5 x 97mm)			
	diagonal	• 27.1" (688mm)			
	tile area	• 2.18-ft ² (0.2025m ²)			
	tile resolution	• 480 x 270 pixels	• 384 x 216 pixels	• 320 x 180 pixels	• 240 x 135 pixels
	tile weight/total installed weight	• 20.12lbs (9.126kg)			
	tile net weight	• 18.96lbs (8.6kg) / 93.63 lbs (42.5kg) per square meter			
	tile array size to be achieved 1920 x 1080	• 4x4	• 5x5	• 6x6	• 8x8
	cabinet design	• Die-cast aluminum			
	orientation	• Landscape			
	service access	• All service from front			
	module dimensions	• (WxH) 11.8 x 13.3" (300 x 337.5mm)			
	module resolution	• 240 x 270 pixels	• 192 x 216 pixels	• 160 x 180 pixels	• 120 x 135 pixels
	installation options	• Flat • Concave			
	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 limited warranty, 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

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