Christie AutoStack

CHRISTIE®

Professional multiple-projector displays in minutes, not hours!

Christie® AutoStack™ is a vision-based solution that enables the stacking and blending of projector arrays in a fraction of the time it takes to do manually. It works in conjunction with Christie Twist™ to warp and blend the images on top of each other instead of relying on optical alignment.

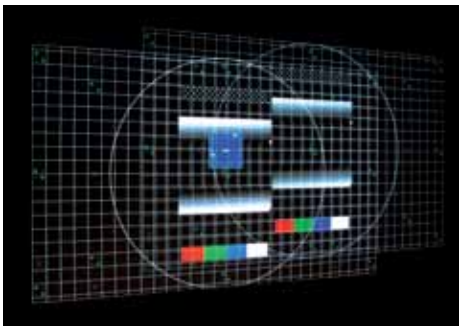
▲ The user interface guide directs you step by step through the set-up process including: projector selection, screen corner detection, blend region percentage and all the way to the final blended and/or stacked image.

This software-driven, camera-based system supports (up to) a 2x3 blended array of projectors, which can then be stacked for a total of 12 projectors. The system automatically aligns and blends with unsurpassed accuracy in as little as two minutes per projector.

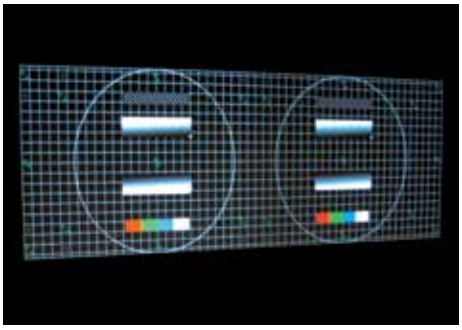
Christie AutoStack uses screen points for quick geometric calibration, and can be used on flat screens of various sizes and aspect ratios. In addition, by enabling the optional AutoStack Curve module[1], you can use the system on curved screens.

The intuitive user interface of Christie AutoStack guides users, step by step, through the set-up process. From selecting a projector, to automatically analyzing the vertical and horizontal overlap between multiple images, to suggesting maximum blend percentages, Christie AutoStack makes the process quick and easy.

Christie AutoStack provides the opportunity to include complex projector arrays in both rental-staging and fixed-install applications and achieves professional, quality results with minimal experience required. It also enables the implementation of multiple projection arrays for impact, additional brightness or redundancy without excess time, labor or resources.



▲ Overlapped, unblended and unwarped images before using Christie AutoStack.



▲ End result – aligned and blended and warped image after using Christie AutoStack.

Features	
Time to blend and stack	• System auto-calibrates in as little as two minutes per projector
User interface	• Intuitive user interface with step-by-step process and real-time camera feedback
Projector support	• Up to a 2x3 blended configuration that can be stacked for a total of 12 projectors
AutoStack Curve module (optional)	• Available for curved-screen installations. The software is designed to support curve/cylindrical screens with a curvature of up to ± 70 degrees
Ships in rugged travel case which contains	• Christie AutoStack software • Camera: ultra-compact USB CCD camera (44 x 41 x 25.5mm) with ASA/ISO-compliant tripod adapter and CS-mount lens holder • Lens: pre-calibrated 5mm focal length lens, throw ratio of approximately 1.1:1 • 15' USB cable

Requirements:
Christie Twist enabled 3-chip DLP® projectors
Computer with AutoStack software connected to CCD camera via USB
Network connection between computer and each video projector

[1]The AutoStack Curve module must be purchased separately.

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