

ScalableDesktop

Single-PC auto-alignment. Providing a canvas to run any Windows application at scale

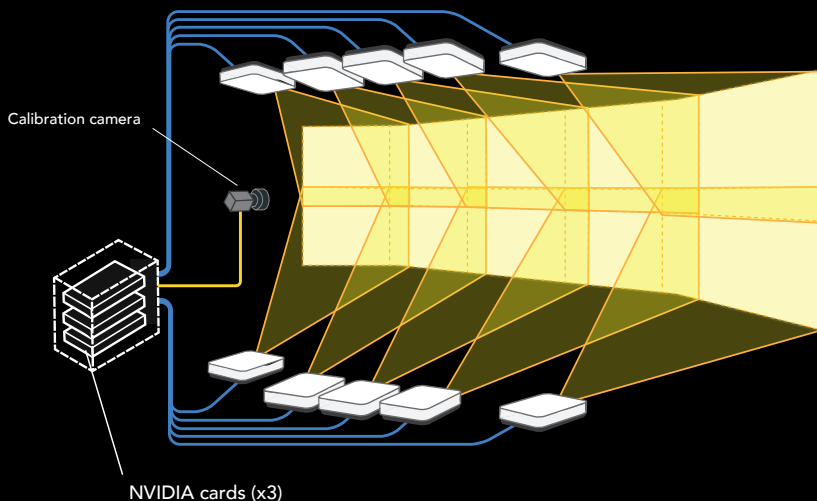


- Single PC only
- Up to 16 outputs, one seamless canvas
- Compatible with all Windows applications
- Automatic recalibration; one-click or scheduled
- Save time and guarantee a working display

ScalableDesktop is Scalable's software application for single-PC playback solutions. It uses a camera to automatically calibrate an array of projectors from a single Windows PC, turning them into a single seamless Desktop. Anything Windows can run, presentation software, BIM, CAD Viewers, dashboards, video conferencing, web browsers, signage players, video playback, all displays at wall scale with no special content pipeline, no complexity, no timeline, simply Windows at scale.

ScalableDesktop is the right tool when the requirement is straightforward: a large, seamless surface driven by one computer. Design and construction teams use it to walk clients through plans and models at full scale. Operations centers and corporate facilities use it for information walls and conference displays where the content is the applications the team is already comfortable using. Windows is familiar, everyone understands basic file structure, there's inherent value in a large multi-projector display that behaves like an enormous monitor.

Setup is deliberately simple. Point the camera, run the calibration, and the blended display is ready. No complex 3D files or UV mapping. When projectors drift, or move, the camera calibration restores them in seconds, no expert on-site, no manual adjustment, no time wasted.



ScalableDesktop system requirements

- Windows 11
- 8 GB of RAM minimum, 16 GB of RAM recommended
- 25 GB of hard drive space available
- A supported NVIDIA graphics card
- Quadro sync card II if using multiple graphics cards

For the latest list of compatible cards and additional hardware recommendations please contact us.

Capabilities

- **Single-PC architecture.** Scale the Windows desktop across up to 16 outputs from one machine — no render cluster, no sync hardware, no complexity.
- **Color and brightness matching.** Camera correction across the entire array so mixed projectors match over time as individual images burn-in and drift thorough use.
- **Application-agnostic.** Any Windows application runs at scale without modification or compatibility work. If it opens on a monitor, it opens on the wall.
- **Automatic edge blending.** Camera-based calibration produces pixel-accurate blends between overlapping projectors.
- **No-touch recalibration.** Built-in automation keeps the display pixel-perfect over time; recalibration is one click when needed.
- **Projector agnostic.** Works with all makes and models — build the wall from the projectors you have or the ones your budget allows.
- **Flat and advanced geometries.** Supports flat walls and curved surfaces alike.

Use Cases

- Plan and model walkthroughs — architecture, engineering, construction (BIM & CAD)
- Corporate AV and conference displays
- Large-format information walls and operations displays
- Data visualization and collaboration spaces
- Digital signage



10 Projector display before alignment



10 Projector display after alignment with ScalableDesktop

