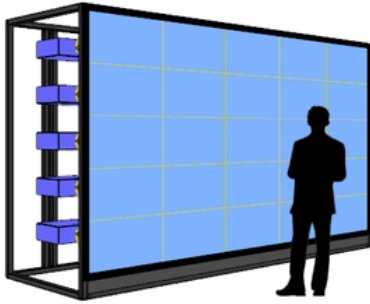


VisWall™

High Resolution Display Wall



The **VisWall™** is an affordable and scalable high resolution display. The tiled display wall is achieved by the highly accurate alignment of many separate projectors. The VisWall allows small groups of people to collaboratively examine incredibly detailed imagery or incredible amounts of information at once.

The VisWall is custom designed and built for each customer according to size and resolution needs. Considerations include individual projector resolution, number of projectors, individual tile size, aggregate resolution, aggregate aspect ratio (4:3, 16:9, other), aggregate physical size, throw distance (space behind screen), pixel density (pixels per inch), etc. Often, a customer has certain needs (e.g. Aggregate resolution) and constraints (e.g. Size of room) that help determine the appropriate solution.

VisWall Datasheet



System Specifications

- Resolution: see table on right
- Screen: rear projection, wide range of sizes
- Includes:
 - High quality rear-projection screen
 - Free-standing aluminum support structure
 - 6 DOF custom projector positioners
 - High quality, bright digital projectors mounted on positioners
 - Power and video cabling
 - Assembled and calibrated on-site by Visbox, Inc.

Option: Edge Blending

- One digital edge blending box per projector
- Provides smooth transition between tiles
- Decreases overall resolution due to overlap regions



Option: Passive Stereo

- Two projectors per tile
- Polarization or Infitec filters
- 10 pairs of polarized or Infitec glasses



Image Generator

- One high-end graphics workstation
- Multiple Nvidia Quadro graphics cards



Rendering Cluster for large VisWalls (>16 tiles)

- One high-end workstation (the head console display)
- Cluster of rendering nodes with high-end graphics
- Infiniband or gigabit ethernet networking for optimal performance

Other options are also available

Information in this brochure is subject to change without any notice. For up-to-date information and to learn more about Visbox, Inc.'s various products and services, please visit our website at:

www.visbox.com

Key Features:

- Scalable, extremely high resolutions possible
- Custom configurations available (size and resolution)
- Latest, bright, digital projectors
- Custom projector positioners for precise alignment
- Size is ideal for small groups of people working together



High Resolution Applications

The VisWall enables very high resolution collaborative visualization. As the data generated by simulations or acquired from various instruments gets larger, it becomes crucial to visualize that data with a sufficiently high resolution display. Conventional display technology fails to address this issue, with the resolution of displays increasing far slower than the size of the data. The VisWall addresses this problem by providing a scalable display solution, allowing researchers to gain more insight into their data.

Example HD (1920x1080) configurations:

VisWall-4HD	3840x2160	~8.3 Mpixels
VisWall-9HD	5760x3240	~18.7 Mpixels
VisWall-16HD	7680x4320	~33.2 Mpixels
VisWall-25HD	9600x5400	~51.8 Mpixels
VisWall-36HD	11520x6480	~74.6 Mpixels
VisWall-49HD	13440x7560	~101.6 Mpixels

Many more configurations are possible, the VisWall can easily scale to 100 million pixels and beyond!

Single projector systems

VisWall-4K-SRX	4096x2160	~8.9 Mpixels
VisWall-4K-DLA	4096x2400	~9.8 Mpixels



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