

# SGI™ Reality Center™ 3300W

High-Resolution Wall Display for Group Visualization

## Features

- High-resolution, multichannel, freestanding display
- Designed for conference rooms, offices, classrooms, public spaces, trade shows, and laboratories
- Excellent sightlines for standing and seated audiences
- Available in two-channel and three-channel versions
- High-quality hard screen
- Components fit through a standard single doorway and can be assembled in less than one day
- BARCOGRAPHICS 808s high-performance graphics projectors, edge-blended
- Options include active stereo, video switching, loudspeakers, and transport cases

## Collaboration Made Easy

The success of any organization depends on the effectiveness of collaboration between people. Reality Center 3300W is designed with this in mind. The unique, eye-catching, superwide display enables groups to experience visualization, graphics, and video in a manner that captures the imagination and inspires insight and interactivity.

Cost-effective and easy to install, Reality Center 3300W makes collaborative visualization more accessible and affordable than ever before. High-quality graphics imagery, video, presentation slides, and other media sources can be viewed simultaneously or individually on this extremely high-resolution display. Excellent sightlines enable seated and standing viewers to fully experience the presentation. The rear-projected implementation prevents the casting of shadows on the screen by people standing or sitting close to it.

Add substance and style to every presentation with the addition of active stereo and high quality integral loudspeakers. Then take the show on the road with the optional transport cases.

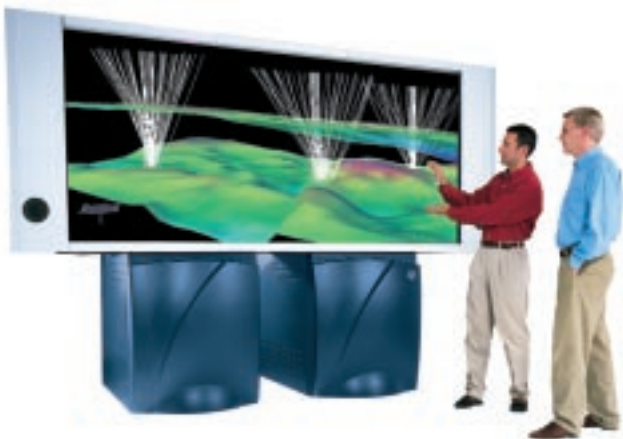
## Silicon Graphics® Onyx2® and SGI™ Onyx® 3000 Series Performance and High Resolution

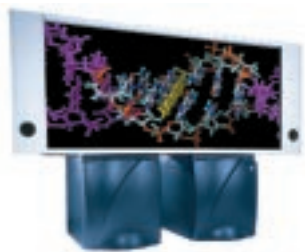
SGI Reality Center facilities are based on the powerful Onyx2 and SGI Onyx 3000 series high-performance graphics systems. The only off-the-shelf UNIX® supercomputer designed to drive virtual environments, Onyx family systems simultaneously compute and process 3D graphics, imaging, and video data in real time. The industry-leading feature set includes clip-mapping, texture-paging, volume rendering, anti-aliased full-frame HDTV display, multiple visual display channels, and a variety of tools for managing video, audio, and advanced user interface devices.

## A Practical Tool

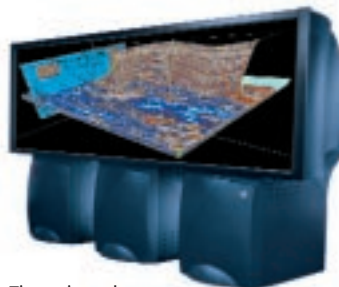
Reality Center 3300W supports a wide range of industries and applications:

- Manufacturing, including conceptual modeling, design, and computer-aided engineering
- Architecture, engineering, and construction
- Marketing and sales, including virtual showrooms
- Sciences and education
- Interactive entertainment
- Government and defense
- Oil and gas, including seismic interpretation, geological interpretation, well path planning, and downstream applications
- High-quality corporate presentations and strategic business analysis
- Telecommunications, including network visualization and control rooms





Two-channel [shown with optional loudspeakers]



Three-channel

**Image**

- Screen size  
8.7' x 3.9'  
[2,662 x 1,181 mm]
- Projection system  
BARCOGRAPHICS 808s high-performance graphics projectors
- Resolution  
VHS video up to 1600x1200 @ 60 Hz per channel
- Frequency  
Horizontal autolock scan frequency range of 15–110 KHz  
Horizontal retrace of 2.7 μsec  
Vertical autolock scan frequency of 37–200 Hz  
RGB bandwidth of 120 MHz [-3 dB]
- Projector control  
Multilanguage on-screen menus

- 12.6' x 3.9'  
[3,847 x 1,181 mm]

**Physical and Electrical**

- Footprint  
9.3' W x 7.5' H x 5.3' D  
[2,842 x 2,294 x 1,621 mm]
- Line voltage  
90–240 VAC
- Frequency  
50–60 Hz, single phase
- Current  
20 A
- Power consumption  
2,000 W
- Net weight  
906 lb [411 kg]
- Shipping weight  
1,763 lb [800 kg]
- Shipping dimensions [LxWxH]  
4 crates  
4.7' x 3.3' x 4.3'—qty 2  
[1,440 x 1,000 x 1,305 mm]  
6.3' x 4.6' x 5.2'—qty 1  
[1,924 x 1,394 x 1,594 mm]  
10.1' x 3.0' x 5.1'—qty 1  
[3,070 x 904 x 1,562 mm]
- Cabling  
RGB or component [R-Y, B-Y, Y] input on 5 BNC connectors, with sync on green or separate sync, automatic sync detection, and sync polarity

- 13.2' W x 7.5' H x 5.3' D  
[4,027 x 2,294 x 1,621 mm]
- 90–240 VAC
- 50–60 Hz, single phase
- 30 A
- 3,000 W
- 1,367 lb [620 kg]
- 2,396 lb [1,087 kg]
- 5 crates  
4.7' x 3.3' x 4.3'—qty 3  
[1,440 x 1,000 x 1,305 mm]  
6.3' x 4.6' x 5.2'—qty 1  
[1,924 x 1,394 x 1,594 mm]  
14.0' x 3.0' x 5.1'—qty 1  
[4,255 x 904 x 1,562 mm]

**Options**

- Transport  
Shipping weight  
Shipping dimensions [LxWxH]  
Rugged flight cases  
2,048 lb [929 kg]  
4 flight cases  
4.5' x 3.0' x 4.1'—qty 2  
[1,380 x 920 x 1,250 mm]  
6.0' x 4.2' x 4.1'—qty 1  
[1,830 x 1,290 x 1,260 mm]  
9.7' x 2.7' x 5.2'—qty 1  
[2,955 x 810 x 1,580 mm]  
Fast phosphor green CRTs  
Emitters and eyeware from StereoGraphics  
High-quality integral loudspeakers
- Loudspeakers
- Video switching  
Display Silicon Graphics Onyx2, SGI Onyx 3000 series, and auxiliary inputs [e.g., video, PC] on any channel  
Digital video line multiplier to convert conventional video line structures into high-resolution images  
Software control of projector settings and switching modes
- Long video cables  
For distances of 50'–150' [15 m–45 m] from host computer to display

- 2,873 lb [1,303 kg]
- 5 flight cases  
4.5' x 3.0' x 4.1'—qty 3  
[1,380 x 920 x 1,250 mm]  
6.0' x 4.2' x 5.0'—qty 1  
[1,830 x 1,290 x 1,510 mm]  
13.6' x 2.7' x 5.2'—qty 1  
[4,140 x 810 x 1,580 mm]



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