**sgi**®

# High-Performance Ultra-High Resolution Display Solutions

## Monitor Features

- 22.2-inch digital LCD widescreen display
- Extremely high 9.2 megapixel resolution — seven times the resolution of a typical desktop monitor
- Pixel resolution is equivalent to the finest print media quality
- Integrated hardware, software, services, and support for a seamless visualization solution

## Benefits

- Ultra-high resolution enables complex rendered data to be displayed and visualized
- Visualizing the finest details of a model or analysis provides greater insight into complex data
- Only the power of Silicon Graphics® Onyx4™ UltimateVision™ and Silicon Graphics® Tezro™ visualization systems allow the ViewSonic VP2290b to be driven with full interactivity
- Expert hardware integration and software configuration bundled with every monitor



Courtesy of Advantage CFD,
www.advantage-cfd.co.uk

## Revolutionary Image Quality

The ViewSonic VP2290b digital LCD monitor delivers seven times the resolution of an ordinary 20-22 inch desktop monitor — a breathtaking 9.2 megapixels. The result is a spectacularly detailed display of 27.6 million-dot (RGB sub-pixel) imagery in 22-inch widescreen format. With a density of 204 pixels per inch and a resolution format up to 3840x2400, the VP2290b offers clarity, depth, and resolution equal to that of the highest-resolution printed media. Anti-glare coating provides rich, saturated color in almost any lighting situation. The purely digital interface of the VP2290b LCD displays artifact-free, photorealistic images with vivid TV-like colors. The 16:10 widescreen format displays two full pages side-by-side for comparison and efficiency. The high brightness and high contrast ratios allow for off-axis viewing enabling multiple people to see the high quality images.

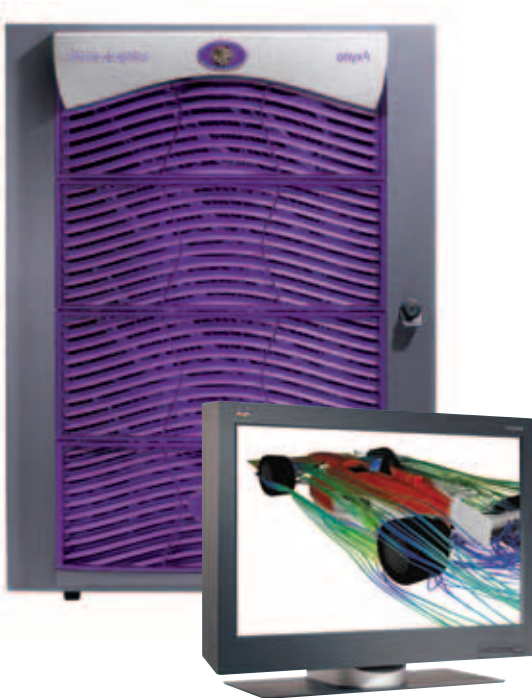## Capitalizing on the Power of Silicon Graphics' Scalable Graphics Visualization Systems

The effectiveness of the VP2290b digital LCD to provide jaw-dropping resolution and clarity is extended when combined with the rendering power to interact with your data. With over seven times the pixels displayed, the rendering power of the graphics system also needs to be seven times greater. The scalable performance of the Silicon Graphics Onyx4 UltimateVision, the world's largest and most powerful visualization system, provides that rendering performance and more. The Onyx4 system can use either two or four graphics rendering pipelines to drive the display, so no sacrifices in interactivity are required. The combination of Onyx4 and the VP2290b enables the power of ultra-high resolution to be used to solve your toughest problems. In addition, for applications that do not require as much rendering power but still want the benefits of a high performance visualization solution, Silicon Graphics Tezro can also drive the full resolution of the display. The power of these visualization solutions benefit technical and creative professionals in a variety of applications:

- **Manufacturing:** The ability to render and see more of the computed analysis for CAE simulations enhances aerospace and automotive designs
- **Medical Imaging:** Higher resolution provides more image detail allowing for quicker, more accurate diagnostics
- **Energy:** Higher resolution provides more detailed rendering of sub-surface data reducing survey interpretation time, improving well-placement accuracy, and maximizing production from existing reservoir assets
- **Post Production:** The ability to work with full frame high definition or film resolution images allows creative professionals to stay digital through more of the workflow and create more effective content
- **Science:** Very high resolution visualizations clarify the structure and detail of complex models accelerating research
- **Decision Support Centers:** Enhanced analysis of imagery at native resolutions means less time spent roaming the data enabling quicker more accurate decision making

## Expert Configuration that Maximizes Performance

SGI Managed Services integrates the Viewsonic VP2290b LCD with the Silicon Graphics Onyx4 UltimateVision or the Silicon Graphics Tezro visualization systems. The service also includes:

- ViewSonic VP2290b LCD digital display
- Two dual DVI-D interface cables
- Installation and configuration of video format files and scalable graphics software for either Silicon Graphics Onyx4 UltimateVision or Silicon Graphics Tezro
- Configuration of icons and fonts for optimum desktop display
- Testing of implemented solution and knowledge transfer
- 3-year advanced exchange support

## 22.2" TFT LCD 9.2 Mega pixel Widescreen Display

| | | | | | |
|---|---|---|---|---|---|
| **LCD PANEL** | **Type** | 22.2" Color TFT active matrix QUXGA-W LCD | **POWER** | **Voltage**<br>**Frequency**<br>**Consumption** | AC 100-240V AC<br>50/60Hz<br>150W (<15W in standby) |
| | **Display Area** | 18.8" (horizontal) x 11.7" (vertical); 22.2" diagonal | **CONTROLS** | **Basic** | Menu/enter, left arrow, right arrow, on/off |
| | **Optimum Resolution**<br>**Contrast Ratio**<br>**Viewing Angle**<br>**Brightness**<br>**Aspect Ratio** | 3840x2400<br>400:1 (typ)<br>170° horizontal, 170° vertical<br>235 cd/m2 (typ)<br>Native 16:10 multiple ratio depending on mode setting | | **OnView®** | Brightness, video input submenu, information submenu, exit |
| | **Color depth**<br>**Surface** | 8-bits/color (16.7 million)<br>AGS-1 anti-glare coating | **OPERATING CONDITIONS** | **Temperature**<br>**Humidity** | 32°F-95°F (0-35°C)<br>8%-80% (non-condensing) |
| **VIDEO INPUT** | **Digital**<br>**Frequency**<br>**Sync**<br>**Pixel Frequency** | 4 TMDS digital interface<br>$F_h$: 31~91kHz; $f_v$: 50~85Hz<br>H/V separate (TTL)<br>165 MHz/link | **DIMENSIONS (WxHxD)** | **Physical** | 547mm x 439mm x 196mm<br>21.5" x 17.3" x 7.7" |
| | | | **WEIGHT** | **Net**<br>**Gross** | 25.1 lbs. (11.4 kgs)<br>39.6 lbs (18.0 kgs) |
| **COMPATIBILITY** | **SGI**<br><br><br><br><br><br>**PC** | Silicon Graphics Tezro rackmount: 2 pipe with DCD, 2 inputs at 30 Hz refresh<br>Onyx4 or Onyx® Infinite Performance™ w/ DCD: 2 pipe at 30 Hz; 4 pipe at 41Hz with ImageSync<br>VGA (x5 expanded), SVGA (x4 expanded), XGA (x3 expanded), SXGA (x2 expanded, UXGA (x2 expanded), UXGA-Wide (x2 expanded), 2K x 1.5K, and QUXGA-Wide (native) | **REGULATION** | | CE Mark, CISPR22, EN 60950, FCC-A, IEC 60950, ISO 13406-2, TUV ergonomics, UL/CSA 60950, VCCI-A |
| | **Mac®\*** | Power Mac®G3/G4 | **WARRANTY** | | Three-year advanced exchange warranty |
| **CONNECTOR** | **Digital**<br>**Power** | TMDS DVI-D<br>16V DC in, DC to head | | | |

**SGI Technology Solutions provides expert-to-expert technical services and solutions:**

• **Systems Engineering**

• **Professional Services**

• **Managed Services**

• **Support Services**

**For additional information, please visit** *www.sgi.com*

### SGI Managed Services
SGI Managed Services include a broad range of product-focused services to maximize system performance and accelerate productivity. Services include hardware installation, system deployment, implementation, and on-site and remote system management. Each service is delivered by an experienced SGI engineer.

### SGI Technology Solutions
SGI Technology Solutions are empowering a world of innovation and discovery by providing top-performance systems, solutions, and services to the world's leading technical and creative users. With exceptional expertise in high-performance computing, advanced visualization, and storage, our specialists have the resources and skill sets to architect, implement, and support the most effective technology solutions for the 21st century.

### To Learn More
Contact your local SGI sales office to learn how SGI Technology Solutions can help you accomplish your technology goals and optimize your technology investment.

## More Managed Services from SGI

**Implementation**
• IRIX System Implementation
• SGI Network and Interoperability Implementation
• IRIX Upgrade Implementation
• SGI Implementation of Legato NetWorker®
• SAN and CXFS™ Implementation
• Data Storage Implementation
• UPSafe® Implementation (power protection system)
• FailSafe™ Implementation (high-availability software)
• MediaBase Implementation
• SGI Media Server™ Implementation for Broadcast
• Linux® System Implementation
• ESP System Group Manager Implementation
• SGI System Disk Upgrade Service

**Deployment**
• Hardware Installation
• Deployment Services

**System Management**
• IRIX On-Site System Administration
• IRIX Remote System Administration
• Linux On-Site System Administration
• Linux System Tuning
• Performance Monitoring Service

\*Adapter may be required.

**sgi®**

3574 (09/03)                                                                                                                                                    J14388