



**More info...**

[Parhelia HR256](#)

[Contact us](#)

[Key features](#)

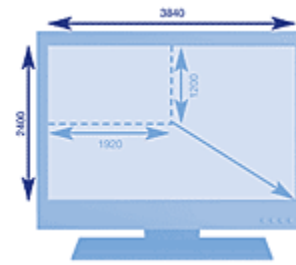
[Installation g](#)

[Drivers](#)

## Designed to drive high-resolution specialty displays to their full potential

Unique support for maximum refresh rates on specialty high-resolution, multi-input displays

With the emergence of digital flat panel technology, pioneers in the display industry have developed LCDs that offer multiple times the display space of standard monitors, with extremely high pixel density. Several panels now offer the ability to display 9 million pixels (MP) worth of graphical information on a display that is just 22 inches wide—the equivalent of 4 times more data than can be viewed on a standard LCD at a resolution of 1920 x 1200. This exceptionally high resolution (3840 x 2400) can only be achieved today by combining multiple DVI channels and synchronizing them for a smooth and flawless display.



9 MP displays provide additional resolution over standard displays



Craig Lofgreen, 3-D Design Inc., [craig@3-ddesign.com](mailto:craig@3-ddesign.com)

For use in any standard desktop workstation, the Matrox Parhelia HR256 is the ideal graphics accelerator for professionals using high-resolution digital flat panels for the analysis of detailed imagery and large models in fields such as mapping/satellite reconnaissance, space exploration, CAD, video post production, desktop publishing, life sciences, aerospace & automotive visualization, medical training/reference, transportation & logistics, oil & gas exploration, plant design & management, and digital photography.

### The definitive graphics platform for high-res imagery and visualization

The Parhelia HR256 graphics card has been specifically designed to be the ideal companion for high-resolution panel technology, ensuring high-quality, high-performance graphics. Its dual LFH-60 direct connection, with no adaptors, ensures flawless image quality and provides support for very high resolutions and optimal screen refresh rates. This distinctive graphics card features 256 MB of memory and a PCI interface with support for 33 MHz and 66 MHz buses. Genlock and frame lock capabilities are available as options.



"The Viewsonic VP2290b makes heavy demands on computers and graphics cards. Very few graphics cards are up to the challenge of letting this monitor work at full performance. I think the Matrox HR256 is a perfect match for full usage of this specialized panel. It took a little bit of patience setting it up, but I think the solution is ideal for professionals dealing with high resolution images with a heavy visual component for task completion. I hope Windows catches up soon with features to allow users to take even better advantage of high pixel-density panels like this Viewsonic monitor."

**James Wallace - Research Engineer**

**Stanford University - Hansen Experimental Physics Laboratory**

### Direct Dual LFH-60 connection:



Compatible with all 3840 x 2400 QUXGA-W displays including those from:



(Includes support for all previous 9 MP offerings which required support for graphics with 4 genlocked DVI channels)

Features for mission-critical environments:

- High MTBF
- FanAlert
- No external adaptors
- No external power supply
- Single-slot solution
- Low power consumption
- Fits in standard size PCI (Dimensions: L:19.05 cm; H:10.67 cm, W:1.91 cm)
- Compatible in all PCI slots
- Genlock option (multi-board/multi-system)

### Advantages for use in multi-board environments



- 1 Parhelia HR256
- 2 Parhelia

For an extended workspace across additional monitors, or for specialized work environments, this distinctive graphics card can be run alongside other Matrox graphics cards in the same system.

### Software Bundle



### More information

For more information on the Parhelia HR256, versions of this product with genlock and frame lock capabilities, and supported high-resolution, multi-input displays, please contact Matrox via the Parhelia HR256 [information request form](#).

### Where to buy

The Parhelia HR256 will be available for US \$2,495 directly from Matrox at [Shopmatrox.com](http://Shopmatrox.com) or by calling 800-361-1408.



Copyright © 2005 Matrox Graphics Inc. All rights reserved.

To send questions and comments regarding this site's construction please complete the following [webmaster](#) form.

[Home](#) | [Site map](#) | [Company info](#) | [Contact us](#) | [General disclaimer](#) | [Privacy policy](#)