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Horizon iH4 DVI for Data/Video Wall Applications

The Horizon iH4 range of graphics cards are powerful multi-screen graphics adapters providing solutions for high quality, complex data/video walls or multi-screen desktop applications.

Using multiple iH4 cards in your system it is possible to create a display which allows the Windows desktop to be spread across a maximum of 32 screens. Constructing a multi-screen data/video wall using the Horizon iH4 range of graphics cards enables the display to be arranged in any rectangular format, by introducing the iH4-PRO and iH4-DIG, the option of displaying high quality video overlays becomes available.

In effect, four graphics cards in one, the iH4 has four independent 64bit Savage4-PRO graphics processors, each with 16MBytes of memory - one per display channel - to bring superb image quality at high resolution and colour depths. With four DVI outputs, each supporting a resolution of 1280 x 1024 (DVI digital) and 1600 x 1200 (RGB analog) you can be sure of displaying all the applications you need. If you need more screens, simply install another iH4 card in your machine up to a maximum of 8 cards.

Horizon iH4 multi screen video solutions use the latest digital technology for stunning video quality. Multiple independent video windows can be displayed simultaneously, and can be scaled to full screen with horizontal and vertical interpolation for high quality images. Chroma-key support also allows you to overlay graphics onto video and video onto graphics.

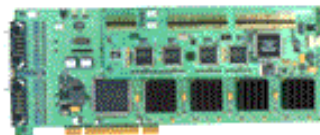
The iH4 can also be used with up to four VQS01 controllers allowing you to increase the number of displays from 4 to 16 from a single iH4 card. For wall applications requiring support for a large number of displays, it is possible to use up to eight iH4 cards and 32 VQS01 controllers. This configuration provides support for up to 128 displays.

Note: The maximum resolution per display when using the VQS01 is 1024 x 768.

Technical Specifications

Bus Interface	32bit - 33Mhz PCI adapter V2.2 Compliant
Size	260 x 100mm
Power	14Watts
Power Requirements	+3.3V at 2.5A max, +12V at 250mA max + 5V at 2.5A max
Operating Temperatures	0 - 35 deg C
Storage Temperatures	-20 - 70 deg C
Relative Humidity	5% to 90% non-condensing

Features



Single slot 4 port graphics adapter

Four independent 64bit Savage4-PRO graphics processors with 16Mbytes for channel. A total of 64Mbytes.

The Mosaic card, combined with the iH4-DIG, allows up to 9 video overlays for screen. It is possible to connect a maximum of 4 Mosaic cards to each iH4-DIG.

Multi-standard video support for PAL, NTSC and SECAM

Multi-card support. Use up to 8 cards for a 32 screen display

Chroma-keying for overlaying graphics onto video

Four DVI outputs, each supporting up to 1280 x 1024 (digital).

Use with the VQS01 to increase the number of display channels to a maximum of 128. The maximum resolution for display when using the VQS01 is 1024x768.

Driver support for Windows® NT4, Windows® 2000, Windows® XP

