

Advanced Graphics Display Technology

Image4



The Image4 graphics card for multi-screen graphics applications.

The card provides high performance graphics with both DVI and RGB video outputs per channel and support for up to 10 cards for a maximum of 40 display channels.

Image4 operates under Windows® Vista/XP/7/Server 2008 and spreads the Windows desktop across the multi-screen display. Both portrait and landscape display configurations are supported. Ideal for video wall and digital signage applications.

Image4 is also compatible with the Datapath Vision range of video capture cards for systems requiring SD, HD, RGB or DVI video overlays. Video overlay windows can be positioned and sized anywhere on the multi-screen display. Using the Vision range of capture cards combined with the Image4, high end video wall systems can be constructed supporting up to 40 displays with 128 SD windows and 32 HD/RGB/DVI windows.

- Four Lane PCI express graphics adapter (single slot)
- Four display outputs with support for RGB or DVI
- Dual 128 bit GPU's with 2x 256MB frame buffer
- Display resolutions up to 4x 1920x1200x32bit
- Optional configuration for dual port output for 2x performance/channel
- Up to 10 cards per system for a maximum of 40 display channels
- Low Power
- All video outputs are vertically synchronised
- Compatible with Datapath Wall Control software
- SDK available for OEM customers

Models Available:

Image4 Supplied with VGA Y splitter cables

Image4-DVI Supplied with DVI Y splitter cables

Related Products

VisionRGB-E1/E2, VisionSD8/SD4+1 and Express9

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Specifications

Card format	4 lane PCI express
Card size	110mm x 197mm
Max output resolution	4x1920x1200 DVI/RGB or 2x2048x1536 analog RGB
Max number of cards per system	10 (40 display channels)
Frame buffer memory	2x 256MB (512MB total)
Max current at +3.3V	0.25A
Max current at +12V	1.7A
Max Power	15 watts
Operating temperature	0 to 35 deg C
Storage temperature	-20 to +70 deg C
Relative humidity	5% to 90% non-condensing
MTBF	100,000hrs
Warranty	3 years

Software

Drivers

Special multi-screen display driver for use with Windows® XP, Windows® 7, Windows® Vista 64bit and Windows® Server 2008. The function of the display driver is to present one large desktop to the Windows operating system. The multi-screen driver will support up to a maximum of 40 screens.

Wall Control

The Image4 card is supplied with a free version of Wall Control without the advanced features.

Wall Control presents a representational window of the entire display wall showing position and size of video windows.

Datapath Wall Control software enables you to configure your multi-screen display, launch video overlays and create a wall layout configuration. With the full version it is possible to save layouts and recall them for future use and also operate Wall Control on a remote PC via a network connection.

Wall Control is available in two versions:

- Wall Control - Free version.
- Wall Control-PRO-HK - Licensed version with a hardware USB key (dongle)

Datapath Image4

4 – Port PCI Express Graphics Card

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