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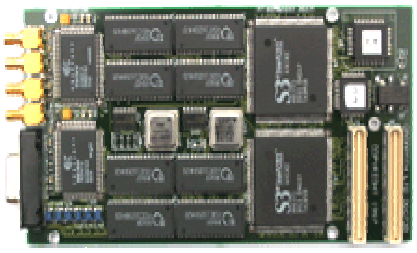
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Datapath
*TWIN*finity PMC

Live Video Overlay
For VME Based Industrial Systems

Advanced Graphics Display Technology



Datapath *TWIN*finity PMC

- Two High speed S3 PMC graphics processors.
- Multiple VESA extended and enhanced mode support.
- 1280 x 1024, 256 colours per channel.
- 1024 x 768, 65,000 colours per channel.
- Up to two live video windows.
- All models supported a refresh of 75Hz.
- Twin Control software as standard.
- 64 bit hardware acceleration engine.

Designed for fast, dual screen Windows operation, the *TWIN*finity uses two high speed S3 GUI accelerators, each one controlling its own channel to deliver superb accelerated displays across two screens, also, the *TWIN*finiy can deliver two live video overlay windows (one per channel) for real time video playback from any of three input sources.

The ultimate productivity tool, the *TWIN*finity uses *TWIN* for Windows software to display your Windows desktop across both screens to give one big desktop area.

You can work with one application full screen on the left and another on the right, both at high resolution. Or multiple applications used together such as AutoCAD for Windows with the main view full size on the right, and on the left have Excel, File Manager and AVE Render. The choice is yours!

With 2MBytes of RAM per screen the *TWIN*finity PMC offers extended mode flexibility for the optimum resolution/colour combinations.

True Colour at 1600 x 600 (800 x 600 on each screen)

65,536 colours at 2048 x 768 (1024 x 768 on each screen)

256 colours at 2560 x 1024 (1280 x 1024 on each screen)

TWIN Control

Only Datapath multi-screen solutions have *TWIN* Control software for all operating systems whether it's Windows 95, NT, 2000 or XP. Decide where your application starts up with one click of the mouse - no need to resize the application - *TWIN* Control will maximise to fit on to the screen you choose.

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Datapath *TWIN*finity PMC

Live Video Overlay For VME Based Industrial Systems



Specification

Processor	Two S3 TRIO 64 V2 GUI accelerator chipsets
Video Memory	2 MBytes RAM per channel
Board Format	PMC Bus connector
Rear Connector	15 way D type (VGA) connectors for video outputs, 4 SMB for live video inputs
Video O/P level	0.7v Analog 75 Ohms
Base Address Options	Standard VGA registers plus enhanced registers in extended I/O
Slot Dependency	1 PMC Slot
Pixel Clock	Software programmable up to 170MHz

Resolution/Colour Modes

Resolution/ Each Screen	8 bpp (256 colours)	16bpp (65,536 High colour)	24 bpp (16.7m True colour)	Refresh
1280 x 1024	Yes	No	No	75Hz
1024 x 768	Yes	Yes	No	75Hz
800 x600	Yes	Yes	Yes	75Hz
640 x 480	Yes	Yes	Yes	75Hz

Live Video Inputs

- Scalable live video in all modes up to 1024 x 768 at 16bpp. (video window at 24bpp in all modes)
- Software selectable input source from 3 sources.
- Multi-standard video input formats for PAL, NTSC, SECAM and S-VHS.
- Horizontal and vertical interpolation for smooth scaling.
- Chroma keying for overlaying graphics onto video and video on to graphics
- Contrast, saturation and brightness controls.
- Video wall modes for 2 x 1 displays or with two TWINfinity cards for 2 x 2 displays.
- Complete with software utilities.

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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