

Advanced graphics display technology

Datapath Horizon-2 Dual screen graphics accelerator

- Single slot dual port graphics accelerator
- Two independent graphics processors (one per channel) for optimum performance
- 8 MBytes SGRAM per channel for high resolutions and stunning image quality
- Multiple live video and TV overlay windows on the desktop via mezzanine module options
- Support for Windows NT4
- TWIN Control software included



The Datapath Horizon-2 displays the Windows desktop across two monitors, extending your work area, but only occupies one slot in your PC.

Essentially, two graphics cards in one, the Datapath Horizon-2 has two independent S3 Savage 4 chips and two separate banks of 8 MBytes of SGRAM – one per display channel – to bring superb image quality at high resolution and colour depths. With a top resolution of 1600 x 1200 True Colour per screen you can be sure of displaying all the applications you need. If you need more screens, then you can simply install another Datapath Horizon.

The Datapath Horizon-2 represents the ultimate integrated solution for multi screen displays. Options are available for displaying live video windows from either a TV tuner or composite video sources.

Datapath 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.

VisionTV, a special software utility provides intuitive control over all TV and video functions.

Every Datapath Horizon solution also includes TWIN Control, Datapath's leading screen management and configuration software for the professional approach to screen handling.



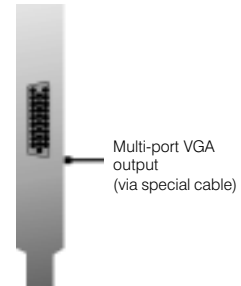
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Model Specifications

There are three models in the Datapath Horizon-2 range which are detailed below:

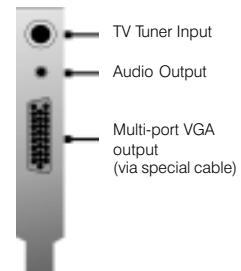
Horizon-2 Dual Port Graphics Accelerator

- Two independent S3 Savage 4 accelerator chips (one per channel)
- 8MBytes SGRAM per channel (16MBytes on board in total)
- PCI Level 2.2 compliant (3.3v / 5v) (Install multiple cards in a system for more screens)
- 300 MHz pixel clock for high resolution displays
- Special VGA splitter cable supplied for monitor connections
- Up to 1600 x 1200 x 32 bits/pixel per channel



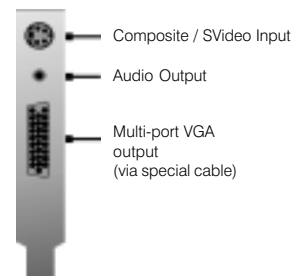
Horizon-2-TV (with TV Tuner Module)

- TV Tuner¹ module included on-board
- Receives broadcast TV via UHF/aerial connection
- Multi standard support including PAL, NTSC and SVideo² input formats¹
- Windows applications for control of contrast, saturation and brightness
- TV signal audio output for connection to sound card
- Audio mixer for selection and control of sound sources
- Horizontal and vertical interpolation for improved picture quality



Horizon-2-VI (with Composite Video Overlay option)

- Video overlay option fitted via mezzanine connection displays two scalable video inputs³
- Multi standard support – PAL, NTSC, and SVideo² input formats¹
- View multiple live video windows simultaneously – one per display channel
- Chroma-keying for overlaying graphics onto video and video onto graphics
- Horizontal and vertical interpolation for improved picture quality



Notes:

1. Each broadcast standard requires unique TV tuner module. Please call our sales department for details of SECAM support and for more information about the broadcast standard in your area.
2. Requires Composite Video input module. Please see the Horizon Accessories Datasheet for more information.
3. The number of composite video inputs can be increased to four with the addition of the Composite Video Input Module. Please see the Horizon Accessories Datasheet for more information.

Ordering Information

Datapath Horizon-2	Dual port graphics accelerator to display Windows across two screens
Datapath Horizon-2S	Dual port graphics accelerator for short form factor / space saver machines
Datapath Horizon-2-TV	Dual port graphics accelerator with TV Tuner
Datapath Horizon-2-VI	Dual port graphics accelerator with Live Video overlay mezzanine module



Datapath Ltd. is an ISO 9001 company

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