

Advanced Graphics Display Technology

## EMS - Horizon 4 Range



The Horizon-4 range displays the Windows® desktop across four monitors, extending your work area, but only occupies one slot in your PC.

Essentially, four graphics cards in one, the Horizon-4 has four independent S3 Savage 4 chips and four separate banks of 8MBytes 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, 64k 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 Horizon card in your machine.

### Horizon 4

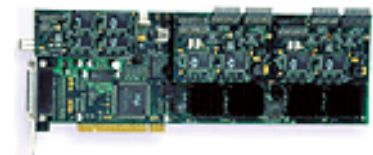
The Horizon-4 represents the ultimate integrated solution for multi screen displays. Options are available for displaying live video windows from either a TV tuner or composite video sources.

- Single slot four port PCI graphics adapter
- Four independent graphics processors with 8Mbytes per channel. Total 32Mbytes.
- Driver support for Windows® NT4, Windows® 2000, Windows® XP and Linux
- TWIN Control screen management software included.
- Multi-card support. Use up to 6 Horizon cards for a 24 screen display

### Horizon 4VW-PRO

As well as all the above specifications, the Horizon 4VW-PRO provides high quality video overlays enabling the display of 4 simultaneous live video sources.

- Four high quality video overlays with 4 composite or 2 S-video analog inputs. (Requires VIM).
- Multi-standard video support for PAL, NTSC and SECAM.
- Chroma-keying for overlaying graphics onto video.
- TV-tuner add-on options.



### Horizon 4VW-DIG

The Horizon 4VW-DIG has all the features of the Horizon 4VW-PRO with the addition of a direct digital video bus for interfacing to the Mosaic Overlay Card or ReelTime2 MPEG playback card. The Mosaic Card, combined with the Horizon 4VW-DIG enables up to 9 video overlays to be displayed simultaneously allowing each overlay window to be positioned and sized anywhere across the 4 screens, windows may also overlap.

For applications that require more than 9 windows, a second Mosaic card can be installed enabling 18 overlay windows to be displayed. Alternatively, the Horizon 4VW-DIG can be used with the ReelTime2 MPEG card. The direct digital connection ensures high quality video images from the MPEG decoders. The Horizon 4VW-DIG supports up to 2 ReelTime2 cards allowing upto 4 MPEG playback channels.

- Direct digital video bus for connection to the Mosaic or ReelTime2 cards.
- Multiple Mosaic cards - 2 Mosaic cards per Horizon 4VW-DIG which enables a maximum system configuration of a 24 screen display with 108 video overlay windows.

Horizon-4 Quad Screen Displayed Resolutions			
Resolution (per screen)	Horizontal	Vertical	Square
640 x 480	2560 x 480	640 x 1920	1280 x 960
800 x 600	3200 x 600	800 x 2400	1600 x 1200
1024 x 768	4096 x 768	1024 x 3072	2048 x 1536
1280 x 1024	5120 x 1024	1280 x 4096	2560 x 2048
1600 x 1200	6400 x 1200	1600 x 4800	3200 x 2400

Resolution (per screen)	8 bpp - 256 colours	16 bpp - 65,536 colours	32 bpp - 16.7 m colours
640 x 480	Y	Y	Y
800 x 600	Y	Y	Y
1024 x 768	Y	Y	Y
1280 x 1024	Y	Y	Y
1600 x 1200	Y	Y	N

## Technical Specification

- Card Type                                      Single slot PCI V2.1 compliant.
- Card Size                                        100 x 310 (mm)
- Power Consumption                        15 watts (max)
- Power Requirements                        +3.3v at 4A, +5v at 0.5A and +12v at 0.05A.
- Operating Temperature                    0 - 40 degrees (C)

## Models

Horizon 4  
Horizon 4VW-Pro  
Horizon 4VW-DIG