



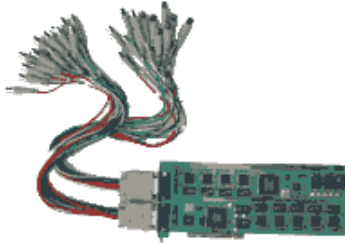
## DataSoft Srl

Via Udine, 6/E 21011 Casorate S: (VA)  
Tel.: 0331 767343 Fax: 0331 767343  
Web: [www.datasoftweb.com](http://www.datasoftweb.com) Mail: [info@datasoftweb.com](mailto:info@datasoftweb.com)

## Mosaic Video Input Card

The Mosaic is a PCI plug-in card which has been designed to operate in conjunction with the Horizon 4VW-DIG graphics card. The Mosaic, when combined with the Horizon 4, provides up to 9 separate video overlay windows. For systems that require more than 9 overlay windows, a second Mosaic card can be installed providing up to 18 separate windows.

## Software Features



### Software Features:

- Up to 9 Video overlay windows on a single screen.
- Overlay windows can be randomly sized, overlapped and positioned anywhere on the Windows Desktop.
- Multi-Screen support, no position or size restrictions.
- Mosaic supports up to 4 Horizon 4VW-DIG graphics adapters.
- Video overlay windows are updated in real time with zero CPU overhead.
- Multi-standard video support, PAL, NTSC, SECAM and S-Video.
- Separate controls for brightness, contrast, colour and cropping.
- Window border selection and chroma keying.
- Mosaic user application program.
- Windows NT4, 2000 and XP driver support with an SDK.

### On Card Connectors

- 2 x 26 way D connectors mounted on the back panel providing connection for video inputs.
- 2 x 40 way ribbon headers for connection to the Horizon 4VW-DIG adapters.
- On card jumper links provide selection of terminated or un-terminated 75ohm video inputs. (27 links, 3 for each overlay)

### Multiple Mosaic Cards

For systems that require more than 9 overlay windows a second Mosaic card may be installed providing up to 18 windows. Withing this configuration each Mosaic card is set-up to operate over a proportion of the multi-screen display.

For example: If a 4 x 3 screen video/data wall is constructed using 3 x Horizon 4VW-DIG graphics cards, each Mosaic card would typically be configured to cover half the wall. Therefore the first Mosaic will operate and display over the left side 2 x 3 displays and the second Mosaic card would operate over the right hand 2 x 3 displays. i.e.



The screen areas covered by each Mosaic card can display up to 9 video windows, each window can be randomly sized, positioned, overlapped and layered anywhere with the area of the screen. When using a single Mosaic card the screen area covered by the card would normally be set to all screens.

### Technical Specifications

Card Type	PCI 2.2 compliant adapter.
Card size	100 x 260 (mm)
Max number of video overlay windows	9
Supported video formats	PAL, NTSC, SECAM and S-Video
Inputs per overlay window	2 x Composite or 1 x Composite and 1 x S-video.
Power consumption	12 watts.
Power requirements	+5V at 2.2Amps, +12V at 100mA