



## DataSoft Srl

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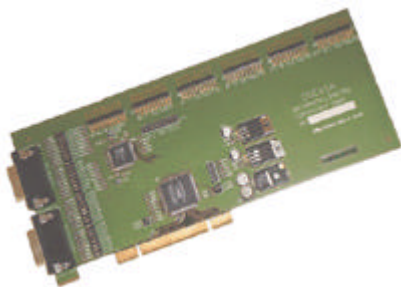
## Vision Switch PCI Plug-in Video Switch

Designed to be versatile and adaptable, the Vision Switch provides a complete 16x16 video crosspoint switch within a single PCI plug-in card. Larger switch sizes are also possible by adding a second Vision Switch card to produce either a 32x16 or 16 x 32 switch.

Vision Switch is supplied with driver software for Windows® NT/2000. A simple and intuitive Windows application program is provided enabling users to control the crosspoint switch or, for users who wish to control Vision Switch from their own software, an SDK is also provided.

Vision Switch may also be used with the HorizonVW range of multi-screen graphics adapters. In this configuration Vision Switch is connected to the Horizon via inter-card ribbon cables, enabling the Horizon video overlay's to select 1 of 16 possible video sources. A single Vision Switch card will support up to four Horizon4VW graphics adapters.

## Technical Specifications



- A single slot 32 bit PCI card (PCI slave)
- 16 analog inputs, 16 analog outputs.
- Direct connection to the Datapath Horizon4VW-Pro.
- Expansion headers for multiple card installation.
- Support for Windows®NT and Windows®2000.
- Software Development Kit included for custom applications.

## Connections:

The following connections are available on the Vision Switch:

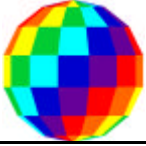
- 2 x 26 way high density D sockets on the rear panel for the Input and Output cables.
- 4 on card 20 way ribbon headers enabling the connection of upto 4 Horizon Cards.
- 1 on card 20 way ribbon header for interfacing with the Vision TV.
- 2 on card 20 way ribbon headers for connection to a second Vision Switch Card.

## Horizon Configurations:

When Vision Switch is used with the Horizon4VW graphics adapter then the following configurations are possible:

No of Horizon4-VW cards and No of overlays supported	No of Vision Switch Cards	No of video inputs available to the Horizon Video overlays	Effective Video Switch Size
1 card, 4 overlays	1	16	16 x 4
2 cards, 8 overlays	1	16	16 x 8
3 cards, 12 overlays	1	16	16 x 12
4 cards, 16 overlays	1	16	16 x 16
1 card, 4 overlays	2	32	32 x 4
2 cards, 8 overlays	2	32	32 x 4
3 cards, 12 overlays	2	32	32 x 8
4 cards, 16 overlays	2	32	32 x 12
5 cards, 20 overlays	2	16	16 x 20
6 cards, 24 overlays	2	16	16 x 24

The Horizon driver software detects the presence of the Vision Switch and automatically controls the video switch, expanding the input capabilities for each video overlay from 4 inputs, as standard, to 16 or 32 by using either 1 or 2 Vision Switch cards.



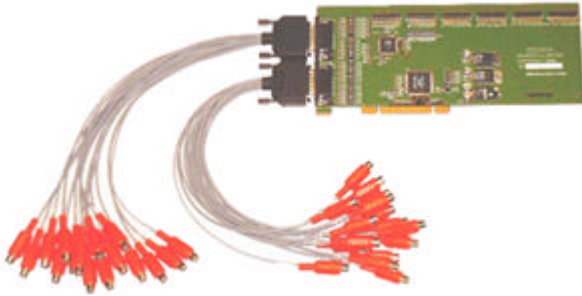
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## Specification:

- PCI level 2.2 compliant (3.3v/5v).
- Measurements 100 x 240mm.
- Maximum Input level 2V rms.
- Bandwidth 0 - 60Mhz (-3dB).
- Crosstalk -83dB at 20kHz.
- THD 0.002% at 20kHz.
- Gain x1 into 75 ohms.
- Power 1.5W.
- Switching Time 50 ns.

## Cables:



Vision Switch is supplied with two multi-way splitter cables for connecting video inputs and outputs. Each cable comprises of a 26way D plug connected to a to 16 BNC sockets via individual co-ax cables. (Cable length is 600mm)