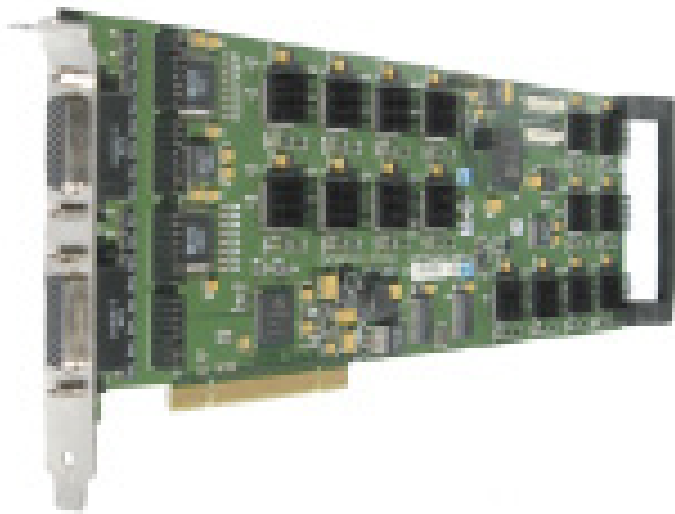


Mosaic-SQ16

16 Channel Video Input Card Advanced Graphics Display Technology



DESCRIPTION

The Datapath Mosaic-SQ16 is the ultimate video capture card providing superior performance and virtually unrestricted video capture capabilities with a single or multi-screen configuration. Used in conjunction with the and Vantage4-SIP, video windows can be placed anywhere across the multi-screen system and also arbitrarily sized or maximised over the entire wall.

SIP DIGITAL STREAM BUS

The Datapath SIP video bus operates at 5Gb/s and is used to broadcast the captured video to the graphics adapters. Each graphics adapter has 4 video overlay processors, 1 per display channel. The overlay processors select the required video channel from the SIP video stream, then crop and scale the video window onto the output channel. Each overlay processor has 16 scalers and cropping units allowing up to 16 video windows to be positioned on each display output. (Maximum 64 windows per graphics adapter)

FEATURES

- 16 channel video capture add-on card for the Vantage4-SIP graphics adapter.
- Interfaces directly to the Vantage4-SIP using Datapath's proprietary 5Gb/s Streams Video bus.
- Use up to 8 Mosaic-SQ16 cards to provide a maximum of 128 video windows.
- Video windows can be positioned and sized anywhere on the multi-screen desktop.
- 16 high quality video decoders and video down scalers.
- On board 32 x 16 video matrix switch.
- Windows® 2000, Windows® Server 2003 and XP driver support with an SDK for custom application.

MODELS AVAILABLE

RELATED PRODUCTS

Mosaic-SQ16 - Mosaic-SQ16 card with 2 x BNC 16 splitter cables (Panel16 optional) and 1 x SIP -Cable.

Vantage4-SIP

Mosaic-SQ16-NC - Mosaic-SQ16 card with no cables

SPECIFICATION

Card Format	32bit 66Mhz PCI adapter
Card Size	105mm x 310mm Full size
Max No of capture channels	16
Max capture resolution per channel	720 x 288
Supported video formats	NTSC, PAL, SECAM in either Composite or S-Video
Inputs per window	16 composite or 16 S-video
Video window update rate	Real time 25/30 frames per sec (PAL/NTSC)
Max current at 3.3V	2.10A
Max current at +12V	1.40A
Max power	23.73 Watts
Operating Temperature	0 to 35 deg C / 32 to 96 deg F
Storage Temperature	-20 to 70 deg C / -4 to 158 deg F
Relative Humidity	5% to 90% non-condensing.



MAIN SALES DEPARTMENT

Datapath Limited,
Alfreton Road
Derby, DE21 4AD
England
Tel: (+44) (0) 1332 294441
Fax: (+44) (0) 1332 290667
email: sales@datapath.co.uk
Web: <http://www.datapath.co.uk>