

Advanced Graphics Display Technology

Mosaic-SQ16

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

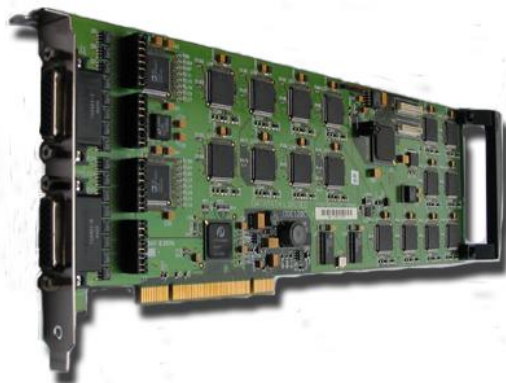
- 16 channel video capture add-on card for the iH4-SIP or Vantage4-SIP graphics adapters.
- Interfaces directly to the iH4-SIP or Vantage4-SIP using Datapath's proprietary 5Gb/s Streams Video bus.
- Use up to 8 Mosaic-SQ16 cards to provide a maximum of 128 video windows.
- Video windows can be positioned 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.

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)

Mosaic Model Numbers

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| Mosaic-SQ16 | Mosaic card with 2 x BNC16 splitter cables (PANEL16 optional) and 1 x SIP-cable. |
| Mosaic-SQ16-NC | Mosaic card with no cables. |



Mosaic-SQ16 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 ambient
Storage temperature	-20 to +70 Deg C
Relative humidity	5% to 90% non-condensing

For details on how to purchase these products contact our sales department
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