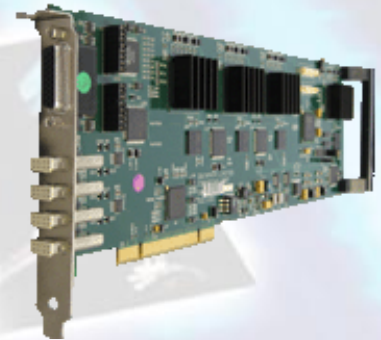


Advanced Display Technology

Datapath Mosaic-HQ High Quality Multi Video Overlay



- PCI video capture card providing eight Mosaic video windows when combined with the Datapath Vantage4-SIP graphics adapter.
- Four HD and four SD Mosaic Video Windows.
- High quality windows support composite, S-Video, YPrPb or RGB video formats.
- Standard definition windows support composite or S-Video formats.
- Built-in 8 x 8 video matrix switch for composite or S-Video inputs.
- Four high quality video windows with de-interlacing and noise reduction.
- Four standard definition video windows.
- Support for up to 4 cards per system providing 32 video windows (16 HD and 16 SD).
- Compatible with the Datapath Mosaic-SQ16 and Wall Control software.

The Mosaic-HQ provides a combination of four standard and four high quality video windows for video wall applications that require high quality video overlays. The overlay windows can be positioned and sized anywhere on the video wall.

Supported Input Formats

Four High Quality Windows

Each high quality window can be derived from one of the following choices:

- 8 x Composite or S-Video signals via the Video Matrix Switch.
- 1 x Component YPrPb or RGB source via a dedicated cable.

The four high quality video windows provide de-interlacing and noise reduction for superb quality video overlays

HQ Resolutions supported

- PAL - 576i 720x576.
- NTSC - 480i 720x480.
- HD - 720P 1280x720.
- HD - 1080i 1920x1080.
- RGB - 640x480, 800x600, 1024x768, 1280x1024.

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Four Standard Definition Windows

Each standard definition window can be selected via the Video Matrix Switch from one of the following:

- 8 x Composite video.
- 8 x S-Video.

The four SD video windows provide the same functionality and quality as the Mosaic-SQ16.

SD Resolutions supported

- PAL - 576i 720x576
- NTSC - 480i 720x480

Specification

Card Type	PCI 2.2 compliant adapter
Card Size	106 x 319 (mm)
Max number of overlay windows	4 x high quality and 4 x standard definition
Power Consumption	25 watts
Power Requirements	+3.3V at 2A ,+5V at 3A, +12V at 250mA
Operating Temperatures	0 - 35 deg C
Storage Temperatures	-20 - 70 deg C
Relative Humidity	5% to 90% non-condensing
Number of Composite Inputs	8
Number of S-Video inputs	8
Number of YPrPb inputs	4
Number of RGB inputs	4
Video window update rates	25 or 30 frames/sec

Maximum Displayed Resolutions

SD Video Window	720x288
HD Video Window	1280x1024
RGB Video Window	1280x1024

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Rear Panel Connector and cables

- 1 x 26 Way D for 8 x composite or 8 x S-Video inputs. Supplied with BNC16 splitter cable
- 4 x 10 Way connectors for RGB or Component. Supplied with 4 x MRGB cables as standard or 4 x MBNC cables or other specific combinations on request.

Mosaic-HQ Model Numbers

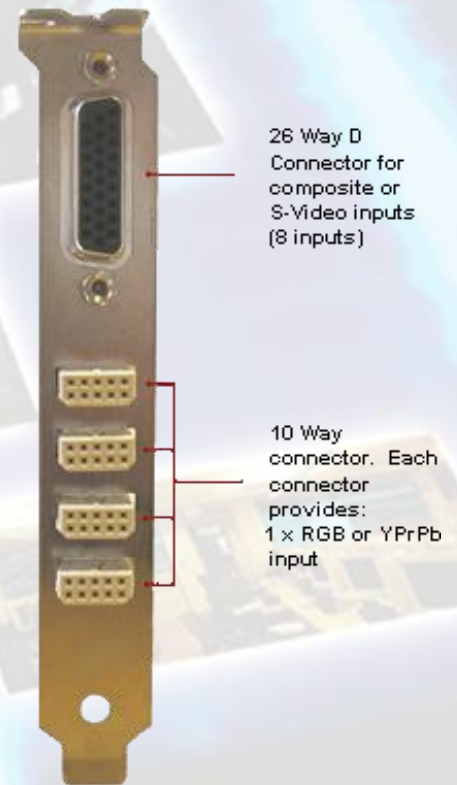
Mosaic-HQ - Eight channel video capture card.

Accessories (Supplied)

- 1 x SIP-Cable
- 1 x BNC16
- 2 x MRGB-Cable
- 2 x MBNC-Cable

Optional:

- MBNC-Cable YPrPb component video input cable.



For details on how to purchase the Mosaic-HQ contact our sales department: sales@datapath.co.uk

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