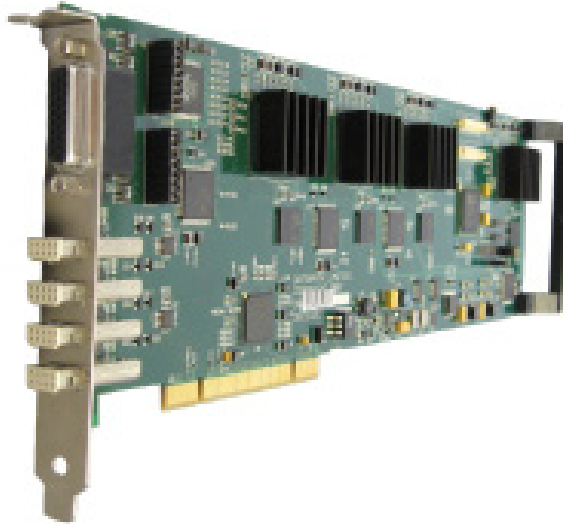


Mosaic-HQ

High Quality Multi Video Overlay Advanced Graphics Display Technology



DESCRIPTION

The Mosaic-HQ provides a combination of four standard and four high definition video windows for video wall applications that require high quality video overlays. The capture 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

FEATURES

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

SUPPORTED INPUT FORMATS

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

REAR PANEL CONNECTORS 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.

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

RELATED PRODUCTS

Vantage4-SIP

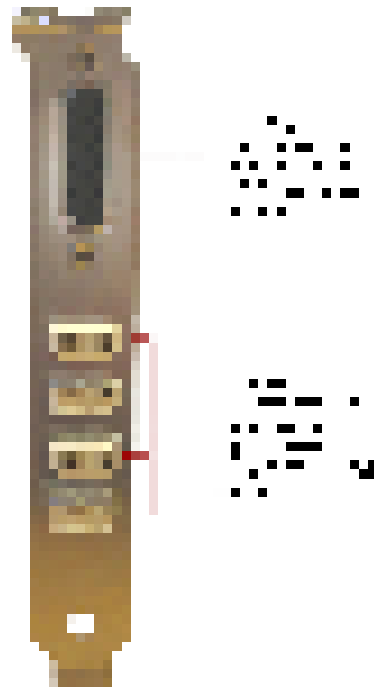
Mosaic-SQ16

MAXIMUM DISPLAYED RESOLUTIONS

SD Video Window 720x288

HD Video Window 1280x1024

RGB Video Window 1280x1024



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.

MOSAIC-HQ MODEL NUMBERS

Mosaic-HQ - Eight channel video capture card.



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