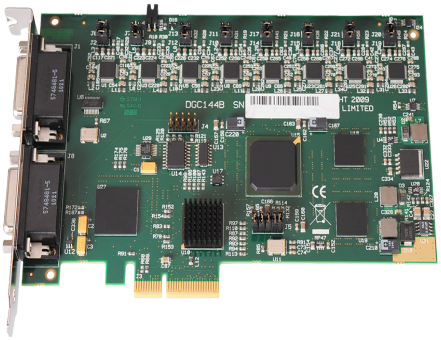
VisionSD8

8 Channel SD Video Capture Card
Advanced Graphics Display Technology



DESCRIPTION

The VisionSD8 is an 8 channel PCI express video capture card. The card supports PAL, NTSC and SECAM in both composite and S-video input formats. VisionSD8 supports deinterlaced video capture and display at 25/30 frames/sec for real-time video overlays.

The VisionSD8, a stand alone PCIe x4 plug in card, delivers extreme performance with 480MB/s transfer bus bandwidth. This industry beating performance makes the VisionSD8 ideal for a wide range of applications including:

- Multi-display presentation software: Recommended by industry leaders Dataton WATCHOUT™
- Digital Signage
- Machine Vision: Acquire high resolution camera outputs
- Voyage Data recorders: Capture radar images
- Simulation/Military: Acquire high resolution video and simulation for command and control

STREAMING SUPPORT

DirectShow drivers for WDM Streaming driver supports the following applications, to encode, record and stream video over networks or the Internet:

- Microsoft Media Encoder®
- VLC
- StreamPix
- VirtualDub
- Adobe Flash Encoder
- AMCap
- Any other DirectShow encoding software

VIDEO STREAMING

For streaming applications, the VisionSD8 can be used with Windows Media Encoder to compress and stream captured video. To replay the video, use Windows® Media Player.

Any application compatible with Windows® DirectShow technology can use the VisionSD8 due to its built-in WDM support.

DATAPATH
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FEATURES

- **Four Lane PCI express video capture card**
- **Eight simultaneous capture channels**
- **Support for any mix of NTSC,PAL SECAM**
- **Eight composite/S-Video video inputs**
- **32MB on board frame buffer**
- **On board processor for real time mode and sync detection**
- **When used with the Datapath range of graphics adapters, the CPU load is negligible even if the image is being upscaled to a video wall, resulting in real time performance**
- **Auto video mode and no-signal detection**
- **Adjustments for colour, brightness and contrast**
- **Daisy chain input to output with selectable termination**
- **High performance DMA with scatter gather**
- **Data Transfer at 480MB/s**
- **Dynamic Input Source Selection**
- **Supports up to 16 windows with any mix of input channels**
- **Administrator Mode**
- **SDK available for OEM customers**

SOFTWARE

The VisionSD8 is supplied with a powerful software application for configuring the timing and format of the input sources and displaying the data. Simply connect your video source into the card, run the VisionSD8 application to automatically detect the video source format and display the captured video in a window on your desktop.

WALL CONTROL SOFTWARE

The VisionSD8 card is supplied with a free version of Wall Control without the advanced features. Wall Control presents a representational window of the entire display wall showing position and size of video windows.

Datapath Wall Control software enables you to configure your multi-screen display, launch video overlays and create a wall layout configuration. With the full version it is possible to save layouts and recall them for future use and also operate Wall Control on a remote PC via a network connection.

MODELS AVAILABLE

Code	Description
VisionSD8	8 channel SD Capture Card PCIe

All products are shipped with the latest software available, unless stated otherwise. Special requirements may be organised by contacting our Sales team.

SPECIFICATION

Board Format	PCI-e x4 plug-in card, 110mm x 170mm. PCI-e bus master with scatter gather DMA providing maximum data rate of 480MB/s.
Connectors	Two D connectors for SD inputs.
SD Maximum Capture Resolution	8 x 720x576x16bit.
Frame Buffer Memory	32 MB.
Video Format Options	PAL, NTSC, SECAM or S-Video.
Operating System Support	Windows® XP, Windows® Vista, Windows® Server 2003, Windows® Server 2008 and Windows® 7.
Power Requirements	Max current at +3.3V – 0.25A. Max current at +12V – 0.6A. Max power – 8 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.
Warranty	3 years

We are continously developing the technology used within our product ranges delivering outstanding innovative solutions, therefore the specification may change from time to time.

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