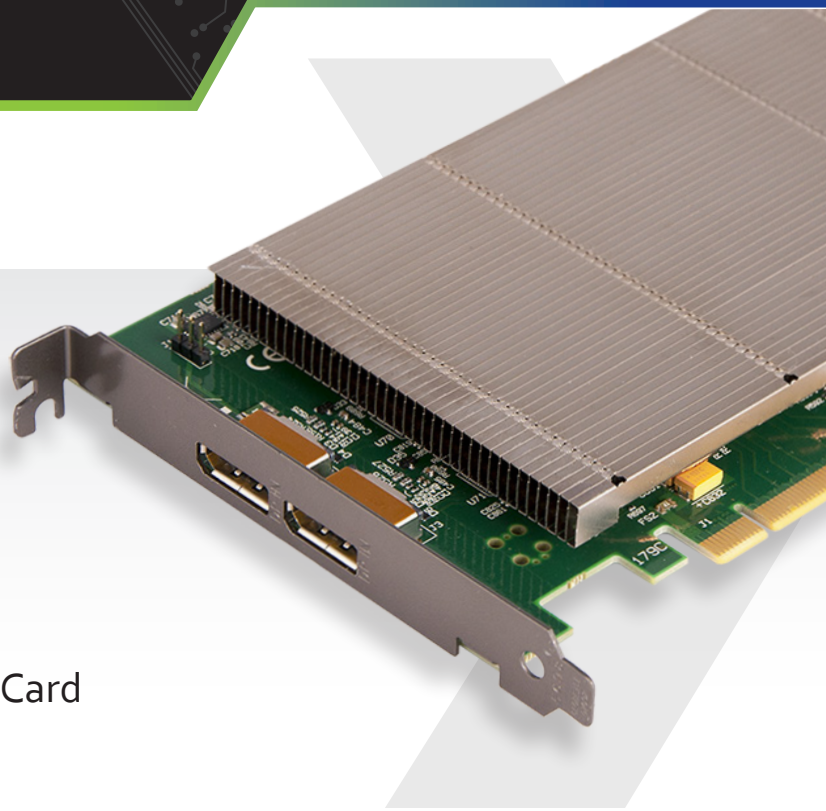
DATAPATH
EXCELLENCE BY DESIGN

VisionSC-DP2

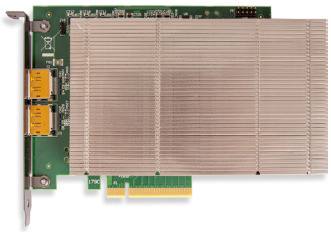


DUAL DISPLAYPORT VIDEO CAPTURE CARD

Professional Audio and Video Capture Card

+ HIGH PERFORMANCE CARD

The professional AV market has begun to adopt 4k UHD technologies, with integrators and system builders demanding higher performance and greater resolutions in the video that they are working with. The Datapath VisionSC-DP2 offers video professionals the ability to simultaneously capture multiple 4k, Ultra-High Definition, video feeds each at 60 frames per second. Developed as part of the VisionSC family of capture cards, the VisionSC-DP2 offers unmatched capture performance and reliability.



+ FEATURES

- Two independent DisplayPort 1.2 capture channels
- Eight lane PCIe Gen 3 interface, Net 6.4 GB/s total capture bandwidth
- Frame buffer memory - 768 MB
- Up to 8k x 8k capture resolution*
- Single PCIe endpoint, allowing for more cards & captures to be placed within a single system
- HDCP Support
- Datapath unified Windows® and Linux® driver support

**8K x 8K at lower frame rates supported based on preliminary testing. ** HDCP supported when combined with Datapath Graphics Cards*

Capture the detail...

VISION PERFORMANCE FEATURES

The VisionSC-DP2 is supported by the Datapath Vision Performance Driver. Combining both Hardware and Software enhancements the Vision Performance Driver provides users with a variety of features to help them achieve their goals. Features include LiveStream low latency capture solution, MultiStream allowing for the independent control of multiple instances of a single capture, a hardware based time stamping facility, automatic signal detection and more.

To see our full range of Vision features, please visit our product section on our website www.datapath.co.uk.

VIDEO STREAMING

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

- Microsoft Media Encoder®
- VLC
- VirtualDub
- Any other DirectShow encoding software

For streaming applications, the VisionSC-DP2 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 VisionSC-DP2 due to its built-in WDM support.

MODELS AVAILABLE

Order Code: VisionSC-DP2
Dual Display Port 1.2 capture card

All products are shipped with the latest software available, unless stated otherwise.

SPECIFICATION

Board Format	PCIe x8 plug-in card
Dimensions	110mm x 177mm (incl heat sink)
Connectors	Locking Dual DisplayPort 1.2
Max Capture Resolution	616MPixel/second capture bandwidth per channel. Captures up to 4096 x 2160p @ 60Hz. per input
Frame Buffer	768MB
HDCP	Supported in combination with Datapath graphics cards
Input Mode Detection	Decodes Main Stream Attribute (MSA) data to determine video geometry
Pixel Transfer Formats	RGB: 5-5-5, 5-6-5 (16 bit) or 8-8-8 (24 bit) or 8-8-8-alpha (32bit) YUV:4:2:2 (16 bit) MONO: 8bit
Pixel Capture Format	RGB with 18,24 bits per pixel
Update Rate	User defined. Captured frame rate will match the source providing max data rate (6.4GB/s) is not exceeded. Multi-buffered to eliminate tearing artifacts.
Operating System Support	Windows ® XP, Windows Vista, Windows Server 2003, Windows Server 2008, Windows 7 and Windows 8/8.1
Power requirements	Max current at +12V - 1.0A Max power ≈ 12W
Operating Temp	0 to 35 deg C/ 32 to 96 deg F
Storage Temp	-20 to 70 deg C (-4 to 158 deg F)
Relative Humidity	5% to 90% non-condensing
Warranty	3 years

We are continuously 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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