DATAPATH
EXCELLENCE BY DESIGN

FOUR CHANNEL GRAPHICS CARD WITH DISPLAY OUTPUTS
Advanced Graphics Display Technology

+ HIGH PERFORMANCE CARD

Designed for professional video projects,the ImageDP4+ graphics card is a highly scalable, graphics card for use with multiple screen or projector installations.

The ImageDP4+ cards operate under Windows®10, driving the very latest in graphical performance. Multiple cards and outputs work together to spread the Windows desktop across a multi-screen surface. The Datapath drivers can allow for monitors positioned in either landscape or portrait or a mixture of the two. The ImageDP4+ is optimised for use with the Datapath Vision range of capture cards and IP decoding cards for systems requiring SD, HD, 4K and IP video capture and display. Video windows

can be positioned and sized anywhere on the multi-screen desktop, while maintaining full frame rate and true colour rendering throughout. When used with Datapath Vision capture cards HDCP content can be delivered to the screens.

Each of the 4 DisplayPort outputs can support up to 2560 x 1600 @ 60fps, or use 2 outputs to support 4096x2160p resolutions at 30fps

The ImageDP4+ includes 2GB of memory that will drive the most demanding of applications.

Datapath's ImageDP4+ card natively supports four full-sized DisplayPort outputs which allow for locking cable connectors and significantly longer cable lengths.

+ FEATURES

- PCI express 2.1 bus interface electronically supporting x4, x8 and x16 lane widths

- 4 Outputs of DisplayPort1.1a each providing DisplayPort 1.1a video of up to 359 MP/s , at 24bit (eg 2560x1600 @60Hz)

- Convert 4 outputs to 2 outputs each supporting 3840x2160p @ 30Hz

- HDCP supported with Datapath capture cards

- DVI/HDMI support using a catalogue of DisplayPort cables and adaptors

- Support for up to 8 cards in a single system

+ SOFTWARE

Drivers

Special multi-screen display driver for use with Windows® 10 64bit. The function of the display driver is to present one large desktop to the Windows operating system. The multi-screen driver will support up to a maximum of 64 screens.

Wall Control

Datapath Wall Control software enables you to simply launch and position video and application windows to create complex wall layout configurations.

Wall Control presents a representational window of the entire display wall showing position and size of windows, including a live sample of all video content. 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. The ImageDP4+ card is supplied with a free version of Wall Control without these advanced features.

+ MODELS AVAILABLE

Order Code: ImageDP4+
4 channel Display Port PCI graphics card

Order Code: ImageDP4+/ DVI
4 channel Display Port PCI graphics card with 4 x DVI adapters

Order Code: ImageDP4+/ HDMI
4 channel Display Port PCI graphics card with 4 x HDMI adapters

+ ACCESSORIES

Order Code: DP adapt
Display Port to DVI adapter and powered cable. Cable available in 10, 15, 20 metres.

Order Code: DPextend
Display Port signal extender and powered cable. Cable available in 10, 15, 20 metres.

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

+ SPECIFICATIONS

Card format	16 lane PCI Express
Card size	110mm x 177mm (incl heat sink)
Max output resolution	4 x 2560 x 1600 @ 60Hz (max 359 MP/s , or...
	2 x 3840 x 2160 @ 30Hz
Maximum colour depth	8-bit per component
Max cards per system	12 (48 display channels)
Graphic card memory	2GB total
Max current at +3.3V	0.25A (+ 1.8A when powering four channels of DPextend + DPadapt)
Max current at +12V	1.2A
Max Thermal Power	15 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
MTBF	Over 180,000 hours

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