



## FOUR CHANNEL GRAPHICS CARD WITH DISPLAY OUTPUTS

Advanced Graphics Display Technology

### + HIGH PERFORMANCE CARD

Designed for professional video projects, the ImageDP<sub>4+</sub> graphics card is a highly scalable, graphics card for use with multiple screen or projector installations.

The ImageDP<sub>4+</sub> 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 ImageDP<sub>4+</sub> 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

### + FEATURES

- PCI express 2.1 bus interface electronically supporting x4, x8 and x16 lane widths
- 4 Outputs of DisplayPort 1.1a 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

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 up to resolutions of 3840 x 2160 @ 30Hz.

The ImageDP<sub>4+</sub> includes 2GB of memory that will drive the most demanding of applications.

Datapath's ImageDP<sub>4+</sub> card natively supports four full-sized DisplayPort outputs which allow for locking cable connectors and significantly longer cable lengths.

- 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.*

