



1:8 DUAL-LINK DVI DISTRIBUTION AMPLIFIER

High Resolution Distribution Amplifier



+ MULTI DISPLAY DISTRIBUTION

The Datapath dL8 is an eight output distribution amplifier which allows the creation of display walls of up to 32 screens when used in conjunction with eight Datapath x4 stand-alone display wall controllers.

With the ability to support any resolution or frame rate that can be maintained by single or dual-link DVI connection, graphics sources with pixel clocks of up to 330MHz and resolutions beyond Quad-HD can be delivered to the available eight outputs on separate DVI-D connectors.

+ FEATURES

- A single unit can support a 32 screen display wall (with eight Datapath x4s)
- Multiple Datapath dL8s create unlimited installations
- Utilises dual-link DVI to support resolutions up to Ultra-High Definition
- Supports single-link DVI or HDMI outputs
- Distribution and signal conditioning of arbitrary DVI source signals
- Sophisticated EDID management

+ CABLING

At high resolution, DVI signals cannot normally be guaranteed beyond 5m cables due to the nature of the signal losses inherent in the DVI cables and connectors. Datapath have added active equalization and re-clocking hardware on the dL8 input port which is able to compensate for these losses and support cable lengths of up to 20m even at full dual-link resolutions (330MHz pixel clocks). Lower resolutions will allow even longer cable lengths.

+ GENLOCK

When used with the Datapath x4, the system will auto-sense input and output frame rates and automatically genlock when possible. The high quality re-clocking signal processing of the dL8 ensures that any timing skews that might be introduced by lower cost input cables can be corrected, maximising the signal quality of the output signals.

+ SOFTWARE

Datapath's Wall Designer is the perfect solution for creating and managing an entire video wall project. Wall Designer allows project builders to select their monitors by manufacturer/model and arrange them onto a canvas. Select the required source and resolution and finally add a dL8 and a range of x4s ready for auto-configuration. Visit www.datapath.co.uk for more information and to download your copy.

+ MODELS AVAILABLE

Order Code: Datapath dL8
1 to 8 Dual Link DVI Distribution Amplifier

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

+ SPECIFICATION

Dimensions	438mm x 40mm x 172mm - 19" rack mount (1U) / 2.40Kg
Output Connectors	8 x DVI-D (dual-link DVI)
Input Connectors	DVI-D (dual-link) USB (Type B) for host communications IEC mains power inlet
Front panel Controls	Push button for EDID sampling Three LED indicator lamps (Power/Input/Status) and flashing feedback for USB communications or EDID button press
Output Capabilities	Supports up to 5m cables into standard DVI receiver ¹
Input Capabilities	Incorporates TMDS re-clocking equaliser to support up to 20m cables ⁽¹⁾ Programmable EDID to indicate preferred mode. No limit to aspect ratios or frame rates of DVI signals that can be accepted, provided they remain within the dual-link 330MHz specification. Input is not HDCP compatible.
Power Requirements	Universal power supply (100-240V) 25W maximum
Temperature	Operating temperature: 0 to 35°C (32 to 96°F), internal fan cooling
Relative Humidity	5% to 90% non-condensing
Warranty	3 years

¹ Cable lengths can be extended when driving receivers with built in equalisation - up to 20m for Datapath x4

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

