

Product Spec Sheet from Rentex

DataPath DL8 DVI Dual Link Matrix

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Rentex Product No. XVM0510



The Datapath dL8 is an eight output distribution amplifier for ultra-high resolution Dual Link DVI signals providing a programmable and flexible solution for any video wall display. When used in conjunction with up to 8 Datapath x4 stand alone display wall controllers, the Datapath dL8 supports up to 32 screens video walls.

One dual-link DVI output, supporting graphics sources with pixel clocks up to 330MHz and resolutions beyond Quad-HD (3480 x 2160), can be delivered to eight outputs on separate DVI-D (dual-link) connectors. This Distribution Amplifier supports up to 20m even at full dual-link resolutions due to additional active equalisation and re-clocking hardware, allowing convenient location for flexible display designs.

Features

- Distribution and signal conditioning of arbitrary DVI source signals
- Supports any resolution or frame rate that can be used supported in either single or dual-link DVI
- Supports any resolutions up to and beyond Quad-HD (3840 x 2160) up to pixel clocks of 330 MHz
- Supports up to 32 screens video walls when used in conjunction with up to 8 Datapath x4 stand alone display wall controllers

Detailed Specifications

Input Connectors	DVI-D (dual-link DVI) USB (Type B) for host communications IEC mains power inlet
Output Connectors	8 x DVI-D (dual-link DVI)
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
USB Connection	Supports USB 2.0 for programming of input EDID parameters using the Datapath dL8 control application Operating system support: Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008, Windows 7
Input Capabilities	Incorporates TMDS re-clocking equaliser to support up to 20m cables 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
Output Capabilities	Supports up to 5m cables into standard DVI receiver
Power Requirements	Universal power supply (100-240V) 25W maximum
Temperature	Operating temperature: 0 to 35 °C (32 to 96 °F), internal fan cooling Storage temperature: -20 to 70 °C (-4 to 158 °F)
Dimensions	438mm x 40mm x 172mm - 19" rack mount (1U)