

MatrixPRO™ 8 X 8 DVI



8 x 8 DVI Matrix Router

Features

- Programmable EDID per channel
- Built-in test pattern generator
- All channels are re-clocked, maintaining signal strength
- Green light valid signal indicator per input channel

The MatrixPRO 8x8 DVI router switches any of the eight DVI inputs to any or all of the outputs. Each channel can be programmed with unique EDID information based on the system requirements. This information is available to external sources even when the unit is turned off.

The MatrixPRO 8x8 DVI router accepts inputs up to 2048 x 1080 (including 1920 x 1080) resolutions. Each input is re-clocked as it passes through the router maintaining the DVI signal strength. Each output channel can also display an internally generated test pattern. The test patterns are available with or without any valid input signals.

The unit is controlled from the built-in front panel, the MatrixPRO remote panels, the MatrixPRO software and the Encore and ScreenPRO-II controllers. The front panel includes an easy to read VFD display and a knob for simple navigation of the menus. The menu structure is similar with the rest of the MatrixPRO router family. Communication with the remote panels or the software is established by either Ethernet or RS-232 protocols. The MatrixPRO 8x8 DVI is also automatically recognized by the Encore and ScreenPRO-II controllers. This allows for easy integration into complete Barco production systems.

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MatrixPRO-DVI 8 x 8 Specifications

VIDEO ROUTING	
Input	8 DVI-I connectors (supporting single digital video link) per DVI 1.0 Specification
Output	8 DVI-I connectors (supporting single digital video link) per DVI 1.0 Specification
Input Resolution	640 X 480 to 2048x1080 including HDTV (25-165 Mhz pixel clock)
Output Resolution	640 X 480 to 2048x1080 including HDTV (25-165 Mhz pixel clock)
CONTROL/REMOTE	
Ethernet	1 RJ-45 (F) connector, running 10/100 Base-T, half/full duplex w/ auto detect
Ethernet Protocol	ICMP (ping), TCP/IP, Telnet
Serial Control Ports	RS-232, 9-pin female D connector
Baud rate and Protocol	115K Baud (max), 8-bit, 1 stop, no parity, selectable baud rate
ENCLOSURE	
Dimension:	3.5" H X 17.0" W X 16" D (2U high, full rack width) 4.5cm H X 43.2 cm W X 40.6 cm D
Weight:	17.5 lbs (7.92 kg)
Rack mount	Front included, rear optional
Type	Metal
GENERAL	
Temperature	0-40 degrees C
Environmental Humidity	0-95%, non-condensing
Power Type	100-240 VAC – 50/60 Hz. Auto Selecting 1.0A Max
Agency	FCC: part 15, subpart B – Class A, EN55103-1 E4 and EN55103-2 CE: safety EN 60950