DMS DVI Matrix Switchers

Modular DVI Matrix Switchers with EDID Minder®

DMS 3600 shown with optional I/O boards

DMS 1600 shown with optional I/O boards

DESCRIPTION

The Extron **DMS 1600** and **DMS 3600** represent a new level of matrix switching for DVI. They combine the simplicity and reliability of a fixed I/O matrix switcher with the convenience and flexibility of a modular matrix switcher. Both matrix switchers accept any combination of available DMS DVI matrix boards. Input and output boards are available in 4-port input, 4-port output, and 4x4 I/O versions, providing various I/O size combinations with sizes from 4x4 to 16x16 for the DMS 1600, and to 36x36 for the DMS 3600. The DMS 1600 and DMS 3600 are ideal for a wide range of applications that require routing of high-resolution DVI digital video signals without copy protection.

SERIES FEATURES

- Available in I/O sizes from 4x4 to 36x36
- Modular, field-upgradeable and hot-swappable design
- Supports computer-video to 1920x1200, including HDTV 1080p/60
- Choice of DMS DVI Input-only, Output-only, or Matrix I/O boards
- EDID Minder® automatically manages EDID communication between connected devices
- Redundant, hot-swappable power supplies
- Ethernet monitoring and control
- Front panel security lockout

SPECIFICATIONS

VIDEO - DMS DVI BOARDS

Resolution range	Up to 1080p (HDTV) or 1920x1200 (the highest resolution of the single link DVI standard) @ 48, 50, or 60 Hz
Signal type	Single-link DVI digital video signals are supported.
HDCP	Not supported
Maximum data rate	4.95 Gbps (1.65 Gbps per color)
Standards	DVI 1.0

VIDEO INPUT - DMS 44 DVI AND DMS 4I DVI INPUT BOARDS

Equalization	Automatic
Input cable length	100' (30 m) at 1920x1200 @ 48, 50, or 60 Hz; or 1080p; 8 bit color

VIDEO OUTPUT - DMS 44 DVI AND DMS 4O DVI OUTPUT BOARDS

Re-clocking	Automatic
Peripheral device power	250 mA per output

GENERAL

Power supply: DMS 1600	Internal: 1 or 2* (positive-negative) Input: 100-240 VAC, 50-60 Hz *A redundant power supply is optional.
Power consumption: DMS 1600	Primary power supply: 97 watts Primary and redundant supplies: 107 watts Measured fully loaded with (4) 4x4 I/O boards
Power supply: DMS 3600	Internal, 2*(positive-negative) Input: 100-240 VAC, 50-60 Hz *A redundant power supply is standard.
Power consumption: DMS 3600	212 watts Measured fully loaded with (4) 4x4 I/O boards

Power consumption: I/O boards

Per DMS Board	
Board	Power
4x4 I/O	18 watts
4 input	10 watts
4 output	7 watts

Enclosure dimensions	
DMS 1600	7.0" H x 17.0" W x 12" D (4U high, full rack wide) (17.8 cm H x 43.2 cm W x 30.5 cm D) (Depth excludes connectors and buttons. Width excludes rack ears.)
DMS 3600	14.0" H x 17.0" W x 12.25" D (8U high, full rack wide) (35.6 cm H x 43.1 cm W x 31.1 cm D) (Depth excludes connectors and handles. Width excludes rack ears.)
Shipping weight with boards installed	
DMS 1600	32 lbs (15 kg)
DMS 3600	48 lbs (22 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI

For complete specifications, please go to www.extron.com

MODEL	VERSION DESCRIPTION	PART #
DMS 1600 Frame	4U, 4-Slot Frame	60-1091-01
DMS 3600 Frame	8U, 9-Slot Frame	60-1092-01
DMS 1600 Power Supply Kit	Redundant Power Supply Option	70-710-02

DMS DVI Matrix Boards

DVI Matrix Boards for DMS Series Matrix Switchers

DESCRIPTION

DMS DVI Matrix Boards are available in 4-port input, 4-port output, and 4x4 I/O versions, providing various I/O combinations with sizes from 4x4 to 16x16 for the DMS 1600, and to 36x36 for the DMS 3600. These boards provide automatic cable equalization to 100 feet (30 meters) at 1920x1200/8-bit color when used with Extron DVI Pro cables. To enable transmission over long DVI cables, the DMS DVI Matrix boards provide automatic output reclocking, which reshapes and restores the timing of DVI signals at each output. For installation convenience and flexibility, the boards supply +5 VDC, 250 mA of power on each output for external peripheral devices.

DMS I/O 44 DVI

DMS 4i DVI

DMS 4o DVI

FEATURES

- Available in 4-port input, 4-port output, and 4x4 I/O versions

- Supports data rates to 4.95 Gbps - 1.65 Gbps per color

- Automatic cable equalization for each DVI input to 100 feet (30 meters) at 1920x1200/8-bit color when used with Extron DVI Pro cables

- Automatic output reclocking

- Provides +5 VDC, 250 mA power on each DVI output for external peripheral devices

MODEL	VERSION DESCRIPTION	PART #
DMS I/O 44 DVI	4x4 I/O DVI	70-741-01
DMS 4i DVI	4-Input DVI	70-741-02
DMS 4o DVI	4-Output DVI	70-741-03