Specifications

DMS 3600 Series

Video — DMS DVI boards

Routing	From 4 x 4 to 36 x 36 matrix, expandable by increments of 4 inputs and 4 outputs
Gain...	Unity
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.
Digital video.............................	RGB digital video (DVI and HDMI standards) or Y, Cr, Cb digital component video (HDMI), actively buffered (supports all single link DVI and HDMI [if using an optional adapter] standards from 640x480 @ 60 Hz to 1600x1200 @ 60 Hz computer video)

> **NOTE:**   The DMS DVI Series boards are not compatible with HDMI.

Digital audio.............................	Embedded audio from HDMI sources can be passed, as long as it is not HDCP encrypted content
Consumer Electronics Control (CEC)	
	Not supported
EDID and DDC	Supports Extended Display Identification Data (EDID) and Display Data Channel (DDC) data using DVI and HDMI standards. EDID and DDC signals are actively buffered.
HDCP......................................	Not supported
HPD	Supports hot plug detection (HPD) of display as a pass-through signal.
Maximum data rate........................	4.95 Gbps (1.65 Gbps per color)
Maximum pixel clock......................	165 MHz
Standards	DVI 1.0
Switching speed	200 ns, max.

Video input — DMS 44 DVI and DMS 4i DVI input boards

Number/signal type........................	4 digital RGB single link DVI-D per input board
Connectors....................................	4 female DVI-I (digital only) per input board
Equalization	Automatic
Input cable length	100' (30 m) at 1920x1200 @ 48, 50, or 60 Hz; or 1080p; 8 bit color

> **NOTE:**   The transmission distance varies depending on the signal resolution and on the type of cable, graphic card, and display used in the system.

Video output — DMS 44 DVI and DMS 4o DVI output boards

Number/signal type........................	4 digital RGB single link DVI-D per output board
Connectors....................................	4 female DVI-I (digital only) per output board
Re-clocking....................................	Automatic
Output cable length	50' (15.24 m) at 1920x1200 @ 48, 50, or 60 Hz; or 1080p
Peripheral device power.................	250 mA per output

Communications — switcher host ports

Serial host control port................... 1 bidirectional RS-232 or RS-422, rear panel 9-pin female D connector

Baud rate and protocol .... 9600 (default), 19200, 38400, 115200 baud, adjustable; 8 data bits, 1 stop bit, no parity

Serial control pin configurations
    9-pin female D connector
        RS-232.............................. 2 = Tx, 3 = Rx, 5 = Gnd
        RS-422.............................. 2 = Tx-, 3 = Rx-, 5 = Gnd, 7 = Rx+, 8 = Tx+

USB control ports .... 1 front panel female mini USB B

USB standards .... USB 2.0, low speed

Ethernet control port .... 1 RJ-45 female

Ethernet data rate (for network communication)
        10/100Base-T, half/full duplex with autodetect

Ethernet protocol .... ARP, ICMP (ping), IP, TCP, DHCP, HTTP, SMTP, Telnet

Ethernet default settings .... Link speed and duplex level = autodetected
        IP address = 192.168.254.254
        Subnet mask = 255.255.0.0
        Default gateway = 0.0.0.0
        DHCP = off

Web server .... Up to 200 simultaneous sessions
        7.0 MB nonvolatile user memory

Program control .... Extron control/configuration program for Windows®
        Extron Simple Instruction Set (SIS™)
        Microsoft® Internet Explorer® ver. 6 or higher, Telnet

General

Power supply................................ Internal, 2* (positive-negative)
        Input: 100-240 VAC, 50-60 Hz
        *A redundant power supply is standard.

Power consumption....................... 212 watts
        Measured fully loaded with (9) 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

Temperature/humidity .... Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
        Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

Cooling .... Fan, right to left (as viewed from front panel)

Thermal dissipation, full load .... 724 BTU/hr
        Measured fully loaded with (9) 4x4 I/O boards

Rack mount .... Yes

Enclosure type .... Metal

Enclosure dimensions .... 14.0" H x 17.0" W x 12.25" D (8U high, full rack wide)
        (35.6 cm H x 43.2 cm W x 31.1 cm D)
        (Depth excludes connectors and handles. Width excludes rack ears.)

Product weight with boards installed 38.5 lbs (17.5 kg)

Shipping weight with boards installed
        48 lbs (22 kg)

DIM weight, international................ 25 lbs (12 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, KCC, VCCI

Warranty .... 3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

8.1-061914-D8