

Specifications — DDS 100 Digital Display Scaler

Video input

Number/signal type	2 RGBHV, RGBS, RGsB
Connectors	2 x 5 BNC female (5 for input, 5 for passive local monitor output)
Maximum level	Analog 2.0V p-p with no offset
Impedance	75 ohms or High Z (switch selectable)
Horizontal frequency	Autoscan 24 kHz to 100 kHz
Vertical frequency	Autoscan 50 Hz to 120 Hz
Resolution range	Autoscan 560 x 384 to 1600 x 1280

Video processing

Digital sampling	24 bit, 8 bits per color; 80 MHz standard
Colors	1.6 million
Horizontal filtering	4 levels
Vertical filtering	10 levels

Video output

Number/signal type	1 RGBHV, RGBS, RGsB
Connectors	5 BNC female or 1 VGA-XGA 15-pin HD female
Minimum/maximum levels	0.0V to 0.7V p-p
Impedance	75 ohms
Scaled VGA resolution	640x480, 480p, 800x600, 832x624, 848x480, 852x480, 1024x768, 720p, 1280x768, 1360x765

Sync

Input type	Autodetect RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB
Input level	1.5V to 5.0V p-p
Output level.....	5.0V p-p
Input impedance	75 ohms or High Z (switch-selectable)
Output impedance	75 ohms
Polarity	Negative

Control/remote — scaler

Serial control port	1 RS-232, 9-pin female D connector
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND
Program control	Extron's control program for Windows® Extron's Simple Instruction Set™ — SIS™

General

Power	100VAC to 240VAC, 50/60 Hz, 40 watts, internal, auto-switchable
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
Rack mount	Yes, with included rack ears
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 9.4" D (1U high, full rack width) 4.4 cm H x 44.4 cm W x 23.9 cm D
Product weight.....	5.6 lbs (2.5 kg)
Shipping weight.....	9 lbs (4.1 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A
Warranty	3 years parts and labor

NOTE Specifications are subject to change without notice.

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