

Specifications — DDS 402

Video input

Number/signal type	1 RGBHV, RGBS, RGsB 1 RGBHV, RGBS, RGsB, component video
Connectors	(1) 15-pin HD female 5 BNC female
Nominal level	1 Vp-p for Y of component video 0.7 Vp-p for RGB for R-Y and B-Y of component video
Minimum/maximum levels	Analog: 0.0 Vp-p to 2.0 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency	
RGB	Autoscan 24 kHz to 100 kHz
Video	PAL/NTSC 3.38/NTSC 4.43/SECAM
Vertical frequency	Autoscan 50 Hz to 120 Hz
Resolution range	Autoscan 560 x 384 to 1600 x 1200

Video processing

Digital sampling	24 bit, 8 bits per color; 140 MHz standard, 200 MHz zoom
Colors	16.8 million
Horizontal filtering	4 levels
Vertical filtering	8 levels

Video output

Number/signal type	2 identical outputs: 1 RGBHV, HD component (Y, R-Y, B-Y) (on 15-pin HD) 1 RGBHV, RGBS, HD component (Y, R-Y, B-Y) (on BNCs)
Connectors	(1) 15-pin HD female 6 BNC female (1) 15-pin HD female (buffered local monitor output)
Nominal level	1 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels	0.0 V to 1.0 Vp-p
Impedance	75 ohms
Scaled resolution	640x480 ^{1,3,4,5} , 800x600 ^{1,3,4,5} , 832x624 ^{3,4,5} , 848x480 ^{3,5} , 852x480 ^{3,5} , 1024x768 ^{1,3,4,5,6} , 1280x768 ^{2,5} , 1280x1024 ^{1,3,5} , 1360x765 ^{5,3} , 1365x1024 ^{3,5} , 1400x1050 ^{1,3,5} , 576p ^{1,5} , 720p ^{3,5} , 1080p ^{3,5} , 1080i ^{1,3,5} ¹ = at 50 Hz ² = at 56 Hz ³ = at 60 Hz ⁴ = at 75 Hz ⁵ = locked to the current input's vertical refresh rate (up to 60 Hz), ⁶ = at 85 Hz
DC offset	±50 mV (max) with input at 0 offset (for R, G, B, and for Y of component video) 350 ± 25 mV (max) with input at 0 offset (for R-Y, B-Y of component video)

Sync

Input type	RGBHV, RGBS, RGsB
Output type	RGBHV, RGBS
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level	0.0 V to 5.0 Vp-p
Output level	0.0 V to 5.0 Vp-p
Input impedance	75 ohms
Output impedance	510 ohms
Max input voltage	5.0 Vp-p
Polarity	RGBS: negative RGBHV: user-selectable

Control/remote — video scaler/scan converter

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

General

Power	100 VAC to 240 VAC, 50/60 Hz, 30 watts, internal, autoswitchable
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
Rack mount	Yes
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 12" D (1U high, full rack wide) 4.4 cm H x 44.4 cm W x 30.5 cm D
Product weight	6.3 lbs (2.9 kg)
Shipping weight	11 lbs (5 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A
Warranty	3 years parts and labor

NOTE All nominal levels are at $\pm 10\%$

NOTE Specifications are subject to change without notice.

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