

Specifications — IN1402 Video Scaler

Video input

Number/signal type	1 S-video, 2 composite video
Connectors	S-video: 1 female 4-pin mini DIN Composite video: 1 female RCA jack, 1 female BNC
Nominal level	1 V _{p-p} for Y of S-video, and for composite video 0.3 V _{p-p} for C of S-video
Minimum/maximum levels	Analog: 0.0 V to 1.0 V _{p-p} with no offset
Impedance	75 ohms
Return loss	<-30 dB @ 5 MHz
DC offset (max. allowable)	1.5 V

Video processing

Decoder	8 bit digital
Digital sampling	24 bit, 8 bits per color; 13.5 MHz standard
Colors	16.78 million

Video output

Number/signal type	1 scaled RGBHV, RGBS, or RGSB
Connectors	1 female 15-pin HD
Nominal level	0.7 V _{p-p} for RGB
Minimum/maximum levels	0.0 V to 0.7 V _{p-p}
Impedance	75 ohms
Scaled resolution	640x480, 800x600, 852x480, 1024x768, 1152x864, 1280x720 (HDTV 720p), 1280x768, 1280x1024, 1365x768, 1365x1024 at 60 Hz if input is NTSC, at 50 Hz if input is PAL or SECAM

Sync

Output type	RGBHV, RGBS, RGSB
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Output level	TTL: 5.0 V _{p-p} , unterminated
Output impedance	75 ohms
Polarity	Positive or negative (selectable)

Control/remote — scaler

Serial control port	RS-232, 3.5 mm 5-pole captive screw connector
Baud rate and protocol	1200 to 38400 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations	1 = TX, 2 = GND, 3 = RX
Program control	Inline Control Software – ICS100

General

Power	100 VAC to 240 VAC, 50/60 Hz, 20 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, with optional rack shelf
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.5" W x 6.0" D (1U high, half rack wide) 4.3 cm H x 21.6 cm W x 15.2 cm D (Depth excludes connectors.)
Product weight	2.5 lbs (1.1 kg)
Shipping weight	5 lbs (3 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	ETL (UL1950)
Compliances	CE

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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