

Specifications — RGB 201 Rxi

Video

Gain	0.5 V to 1.45 Vp-p
Bandwidth	300 MHz (-3 dB)
Rise time	1.5 ns

Video input

Number/signal type	1 analog RGBHV, RGBS, RGsB, RsGsBs
Connectors	1 female 15-pin HD
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	Analog: 0.3 V to 1.45 Vp-p with no offset at unity gain
Impedance	75 ohms
Horizontal frequency	15 kHz to 150 kHz
Vertical frequency	40 Hz to 140 Hz
Return loss	<-30 dB @ 5 MHz
DC offset (max. allowable)	4 V

Video output

Number/signal type	1 analog RGBHV, RGBS, RGsB
Connectors	6 BNC female
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	0.3 V to 1.30 Vp-p with 0.7 Vp-p nominal input level
Impedance	75 ohms
Return loss	-30 dB @ 5 MHz
DC offset	±5 mV with input at 0 offset

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB
Input level	2 V to 5.5 Vp-p with ±0.2 VDC offset max.
Output level	TTL: 4 V to 5 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	75 ohms
Max. propagation delay	85 ns
Max. rise/fall time	2 ns
Polarity	RGBHV: tracks polarity (or force negative sync via internal jumper) RGBS, RGsB: negative

Audio

Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level
S/N	>90 dB at maximum output (17dBu) (unweighted), balanced
Crosstalk	<-90 dB @ 1 kHz
Stereo channel separation	>90 dB @ 1 kHz

Audio input

Number/signal type	1 PC level stereo, unbalanced
Connectors	(1) 3.5 mm mini audio jack (tip, ring, sleeve)
Impedance	>10k ohms unbalanced, DC coupled
Nominal level	-10 dBV (316 mV)
Maximum level	+8.5 dBu, (balanced or unbalanced) at 1% THD+N

NOTE 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

Audio output

Number/signal type	1 buffered stereo (2 channel) or mono, balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1 dB channel to channel
Maximum level (Hi-Z)	>+14 dBu, balanced at 1% THD+N
Maximum level (600 ohm)	>+8.5 dBm, balanced at 1% THD+N

Control/remote — interface

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, 18 watts, internal, autoswitchable
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +113 °F (0 to +45 °C) / 10% to 90%, noncondensing
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01 Also furniture mountable with an optional under-desk mounting kit (part #70-077-01) or through-desk mounting kit (part #70-077-02)
Enclosure type	Metal, vented
Enclosure dimensions	1.75" H x 8.75" W x 8.0" D (1U high, half rack wide) 4.4 cm H x 22.2 cm W x 20.3 cm D; with rear BNCs D = 8.4" (21.3 cm) (Depth excludes knobs.)
Product weight	2.2 lbs (1.0 kg)
Shipping weight	5 lbs (3 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE All nominal levels are at ±10%.

NOTE Specifications are subject to change without notice.

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