

Video

Routing	3 x 1 router
Gain	0.5V to 1.45V p-p
Bandwidth	300 MHz (-3dB)
Rise time	1.5 ns

Video input

Number/signal type	3 analog: RGBHV, RGBS, RGsB, RsGsBs
Connectors	(3) 15-pin HD female
Nominal level	0.7V p-p for RGB
Minimum/maximum levels	Analog: 0.3V to 1.45V p-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	<-30dB @ 5 MHz
Maximum DC offset	4V

Video signal characteristics – RGB 203 Rxi VTG only

Dot clock	VGA 25.18 MHz, : Mac 30.04 MHz, SVGA 65.04 MHz, SGI 107.4 MHz
Pixel clock accuracy	> 99.02%
Scan rate accuracy	> 99.03%
Frequency range	VGA: 31.475 kHz x 60 Hz SVGA: 37.879 kHz x 60 Hz XGA: 48.392 kHz x 60 Hz SGI: 63.928 kHz x 60 Hz
Rise/fall time	2.5 ns / 2.0 ns, measured

Video output

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

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB
Input level	2V to 5.5V p-p with ±0.2VDC offset max.
Output level	TTL: 4V to 5V p-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

Routing	2 x 1 stereo router
Gain	Unbalanced output: 0dB; balanced output: +6dB
Frequency response	20 Hz to 20 kHz, ±0.05dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level

S/N	>90dB at rated maximum output (17dBu), balanced
Crosstalk	<-90dB @ 1 kHz, fully loaded
Stereo channel separation	>90dB @ 1 kHz to 20 kHz

Audio input

Number/signal type	2 PC level stereo, unbalanced
Connectors	(2) 3.5 mm stereo jacks (female) (2 channel); tip (L), ring (R), sleeve (ground)
Impedance	>10 kohms, unbalanced, DC coupled
Nominal level	-10dBV (316mVrms)
Maximum level	+8.5dBu, (balanced or unbalanced) at 1%THD+N

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	±0.1dB channel to channel
Maximum level (Hi-Z)	>+14dBu, balanced at stated %THD+N
Maximum level (600 ohm)	>+8.5dBm, balanced at stated %THD+N

Control/remote – interface

Serial control port	RS-232, 9-pin female D connector (also used for contact closure)
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity
Serial control pin configuration	2 = TX, 3 = RX, 5 = GND
Contact closure	(1) 9-pin female D connector (also used for RS-232)
Contact closure	pin configuration: 1 = input #1, 4 = input #2, 5 = GND 6 = input #3
Program control	Extron's control program for Windows® Extron's Simple Instruction Set™ _ SIS™
Input power	100VAC to 240VAC, 50/60 Hz, 18 watts, internal, autoswitchable
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +113°F (0° to +45°C) / 10% to 90%, non-condensing
Rack mount	Yes, with an optional rack shelf (part #60-190-01)
Furniture mount	Yes, 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 width) 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	RGB 203 Rxi: 2.2 lbs (1.0 kg)
RGB 203 Rxi VTG	2.3 lbs (1.0 kg)
Shipping weight	5 lbs (2.3 kg)
Vibration	ISTA/NSTA 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