

Specifications — RGB 203 Rxi

Video

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

Video input

Number/signal type.....	3 analog VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs
Connectors	3 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 female BNC
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels.....	0.3 V to 1.30 Vp-p
Impedance.....	75 ohms
Return loss.....	-30 dB @ 5 MHz
DC offset.....	±5 mV maximum 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: 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: 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 rated maximum output (17 dBu), balanced (unweighted)
Crosstalk.....	<-90 dB @ 1 kHz, fully loaded
Stereo channel separation	>90 dB @ 1 kHz

Audio input

Number/signal type.....	2 PC level stereo, unbalanced
Connectors	(2) 3.5 mm mini audio jacks (female)
Impedance.....	>10k ohms, unbalanced, DC coupled
Nominal level	-10 dBV (316 mVrms)
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

Specifications — RGB 203 Rxi, cont'd

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 stated %THD+N

Control/remote — interface

Serial control port.....	RS-232, female 9-pin D connector (also used for contact closure)
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configuration ..	2 = TX, 3 = RX, 5 = GND
Contact closure	1 female 9-pin D connector (also used for RS-232)
Contact closure pin configuration	1 = input #1, 4 = input #2, 5 = GND
Program control.....	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

General

Input power	100 VAC to 240 VAC, 50-60 Hz, 18 watts, internal
MBC power jacks	9.0 VDC, 0.15 A
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
Cooling	Convection, vents on left and right sides
Mounting	
Rack mount	Yes, with optional 1U rack shelf
Furniture mount.....	Yes, with optional under-desk mounting kit or through-desk mounting kit
Enclosure type	Metal
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)
Regulatory compliance	
Safety.....	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
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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