

RGB 203 Rxi

THREE INPUT, UNIVERSAL
COMPUTER-VIDEO AND AUDIO
INTERFACE WITH EDID MINDER®

- ▶ 300 MHz (-3 dB) RGB video bandwidth
- ▶ Three inputs with switched buffered local monitor output
- ▶ Compatible with computer-video resolutions up to QXGA
- ▶ EDID Minder®
- ▶ Enhanced ADSP™ - Advanced Digital Sync Processing technology
- ▶ DSVP™ - Digital Sync Validation Processing
- ▶ 30 memory presets for automatic signal setup
- ▶ RS-232 control
- ▶ Active PC audio to balanced audio interfacing
- ▶ Variable level and peaking control
- ▶ Internal universal power supply



The Extron RGB 203 Rxi is a universal, analog computer-video and audio interface with EDID Minder®. It allows nearly every computer-video signal type to be converted for output to display devices such as projectors, monitors, and flat panel displays. The RGB 203 Rxi is ideal for classrooms, auditoriums, and conference rooms.



Extron® Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **RGB 203 Rxi** is a universal, analog computer-video and audio interface with EDID Minder®. The interface includes three female 15-pin HD inputs and a buffered local monitor output that can be fixed to input one or shared between all three by switch selection.

With a 15-150 kHz scanning range and 300 MHz (-3 dB) RGB video bandwidth, the RGB 203 Rxi is compatible with computer-video resolutions up to QXGA - 2048x1536.

Audio is available on two of the three inputs on 3.5 mm stereo mini jacks. Input selection can be switched automatically or controlled through the front panel, RS-232, or contact closure. The RGB 203 Rxi is able to convert computer-generated, unbalanced audio to stereo or mono balanced line level audio.

The front panel provides variable level and peaking control as well as horizontal and vertical centering control. Level and peaking provide signal boost and equalization, compensating for video signal loss and high frequency attenuation that can occur over long cable runs. Horizontal and vertical centering control allows the input signal to be shifted on the display device for a properly centered image.

The RGB 203 Rxi features EDID Minder, which maintains continuous EDID - Extended Display Identification Data communication with attached sources. EDID Minder ensures that sources power up properly and maintain proper video output even if the digital display devices are turned off. The interface also includes Enhanced ADSP™ developed by Extron to ensure proper sync signal conditioning, providing reliable operation with a variety of signal sources and display types.

The RGB 203 Rxi is housed in a compact 1U, half rack width metal enclosure and can be rack or under-desk mounted.

FEATURES

- ▶ 300 MHz (-3 dB) RGB video bandwidth
- ▶ Compatible with computer-video resolutions up to QXGA
- ▶ EDID Minder®
- ▶ Enhanced ADSP™ - Advanced Digital Sync Processing technology
- ▶ DSVP™ - Digital Sync Validation Processing
- ▶ RS-232 control
- ▶ Variable level and peaking control
- ▶ Horizontal and vertical centering control
- ▶ 30 input memory locations
- ▶ Simultaneous composite and separate sync output
- ▶ Buffered local monitor output

SPECIFICATIONS

VIDEO		
Bandwidth	300 MHz (-3 dB)	
EDID	Supports emulation of custom or factory preset Extended Display Identification Data (EDID) tables	
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	
VIDEO OUTPUT		
Number/signal type	1 analog RGBHV, RGBS, RGSB	
Connectors	6 female BNC	
Nominal level	0.7 Vp-p for RGB	
SYNC		
Input level	2 V to 5.5 Vp-p with ±0.2 VDC offset max.	
Output level	TTL: 4V to 5V p-p, unterminated	
AUDIO		
Frequency response	20 Hz to 20 kHz, ±0.05 dB	
AUDIO INPUT		
Number/signal type	2 PC level stereo, unbalanced	
Connectors	(2) 3.5 mm mini audio jacks (female)	
AUDIO OUTPUT		
Number/signal type	1 buffered stereo (2 channel) or mono, balanced/unbalanced	
Connectors	(1) 3.5 mm captive screw connector, 5 pole	
CONTROL/REMOTE — INTERFACE		
Serial control port	RS-232, female 9-pin D connector (also used for contact closure)	
GENERAL		
Input power	100 VAC to 240 VAC, 50-60 Hz, 18 watts, internal	
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)	
Regulatory compliance	Safety: CE, c-UL, UL EMI/EMC: CE, C-tick, FCC Class A, ICES, VCCI	
Warranty	3 years parts and labor	
Model	Version Description	Part number
RGB 203 Rxi	Three Input Interface with Audio	60-508-02

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.



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