

# RGB 109xi

Dedicated Computer-Video and Audio Interface with ADSP™

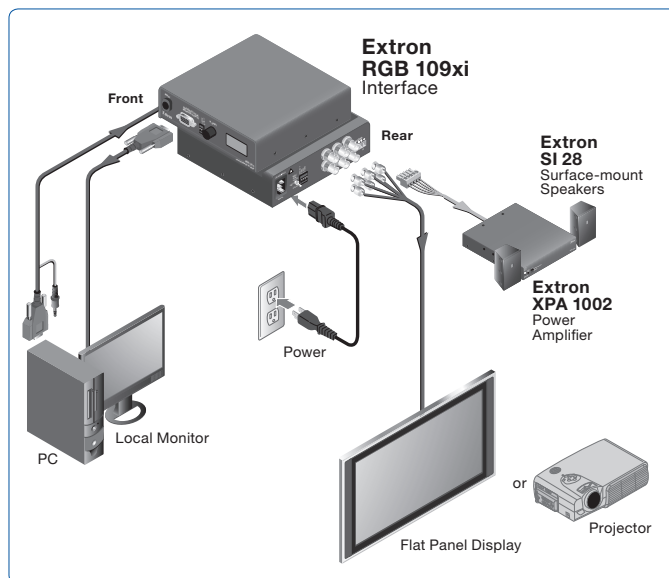


## DESCRIPTION

The Extron **RGB 109xi** is a dedicated, analog computer-video and audio interface with ADSP™. It allows computer-video resolutions up to QXGA to be converted for output to projectors and flat panel displays. It also accepts unbalanced computer stereo audio and converts it to balanced, line level stereo audio. Extron Advanced Digital Sync Processing or ADSP technology provides all-digital processing of sync signals, eliminating compatibility issues encountered when using analog sync processing with digital display devices. The RGB 109xi is ideal for use in applications that require signal amplification and sync processing to ensure compatibility between many different types of displays and computer-video signal sources found in classrooms, auditoriums, and conference rooms.

## FEATURES

- 300 MHz (-3 dB) RGB video bandwidth
- Compatible with computer-video resolutions up to QXGA
- ADSP™ - Advanced Digital Sync Processing
- Three-position level/peaking control
- Horizontal shift control
- Active PC audio to balanced audio interfacing
- Internal universal power supply



## SPECIFICATIONS

VIDEO	
Bandwidth	300 MHz (-3 dB)
VIDEO INPUT	
Number/signal type	1 analog VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs
Connectors	1 male 15-pin HD, 48" (1.2 m) long cable
VIDEO OUTPUT	
Number/signal type	1 analog RGBHV, RGBS, RGsB
Connectors	6 female BNC, 1 female 15-pin HD local monitor output (buffered)
Nominal level	0.7 Vp-p for RGB
SYNC	
Input level	2.0 V to 5.5 Vp-p with ±0.2 VDC offset (max.)
Output level	4.0 V to 5.0 Vp-p, unterminated
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
AUDIO INPUT	
Number/signal type	1 PC level stereo, unbalanced
Connectors	(1) 3.5 mm stereo plug, 24" cable from computer video connector; tip (L), ring (R), sleeve (ground)
AUDIO OUTPUT	
Number/signal type	1 stereo (2 channel), balanced/unbalanced
Connector	(1) 3.5 mm captive screw connector, 5 pole
GENERAL	
Power	100 VAC to 240 VAC, 50-60 Hz, 15 watts, internal
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +104 °F (0° to +40 °C) / 10% to 90%, noncondensing
Mounting	Furniture mount Yes, with optional under desk mount kit or through desk mount kit
Enclosure type	Metal
Enclosure dimensions	1.75" H x 6.4" W x 6.0" D (4.4 cm H x 16.3 cm W x 15.2 cm D) (Depth excludes connectors.)
Product weight	1.8 lbs (0.8 kg)

For complete specifications, please go to [www.extron.com](http://www.extron.com)

## MODEL

RGB 109xi

## VERSION DESCRIPTION

Dedicated Interface with ADSP™

## PART #

60-289-01