

Extron Electronics

INTERFACING, SWITCHING AND DISTRIBUTION



SC 210 - UNIVERSAL SYNC PROCESSOR

Auto Sync Stripping

Sync Combining

Auto Sync
Output Detection

250 MHz Bandwidth

150 kHz Compatibility

LCD Sync Processing

Universal Compatibility

Rack Mountable

Internal Power Supply



APPLICATIONS

The **SC 210** is a 250 MHz Sync Processor and Stabilizer that is designed to provide a “one box” solution to all sync routing combinations. The SC 210 can accept virtually any input sync configuration and convert it to any output sync configuration. For example, if RGBS is being run through a system that the display device requires RGBHV, a SC 210 would easily solve the problem, while providing sync stability at the same time. Because the SC 210 utilizes Extron’s new digital sync processing and includes a built-in sync stripping circuit, it is perfect for eliminating the requirement for costly cabling in Matrix/Router switchers by allowing all signals to be routed as RG_sB (sync on green) and then stripped back out on the output to RGBS or RGBHV, as the system requires.

The SC 210 can also be used as a sync stabilizer for applications where there is noticeable jitter on the projected image. Extron’s digital sync processing actually “cleans-up” sync noise and jitter problems allowing for a much more stable output than the sync input.

COMPATIBILITY

The SC 210 is compatible with any Analog RGB signal with a horizontal frequency range between 15-150 kHz and a bandwidth below 250 MHz. It can accept any RG_sB_s, RG_sB or RGBHV signal and convert it to one of the following formats: RG_sB, RGBS or RGBHV.

FEATURES

- **Automatic Sync Stripping** - Strips sync from all three video lines: red, green and blue. Required when displaying images from high resolution workstations.
- **Automatic Sync Output Detection** - Automatically senses which outputs are being utilized on the SC 210 and sends sync through the proper channel.

FEATURES (Continued)

- **LCD Sync Processing** - Allows for greater compatibility with LCD displays. Output sync equals input sync.
- **250 MHz Bandwidth**
- **Rack Mountable**- A one-half width design allows for easy system integration. Use Extron's 1U, 19" Universal Rack Shelf (PN 60-190-01) with an Extron PA 250 to provide compensation for long cable runs without using any additional rack space.
- **Internal Power Supply**- Allows for easy rack installation without using up additional, valuable power strip outlets.

SPECIFICATIONS

Input Signal:

Video: Analog: .3 to 1.25 volts p-p
 Sync: Separate H & V TTL (±), Composite
 Sync TTL (±), Sync
 on R, G or B = .3 volts negative

Output Signal:

Video: Unity Gain
 Sync: Sync on Green, Composite Sync,
 Separate H & V Sync

Frequency Compatibility:

Horizontal: 15-150 kHz
 Vertical: 40-140 Hz

RGB Video Bandwidth: 250 MHz

Power Supply: 100-240 Volts, internal

Impedance:

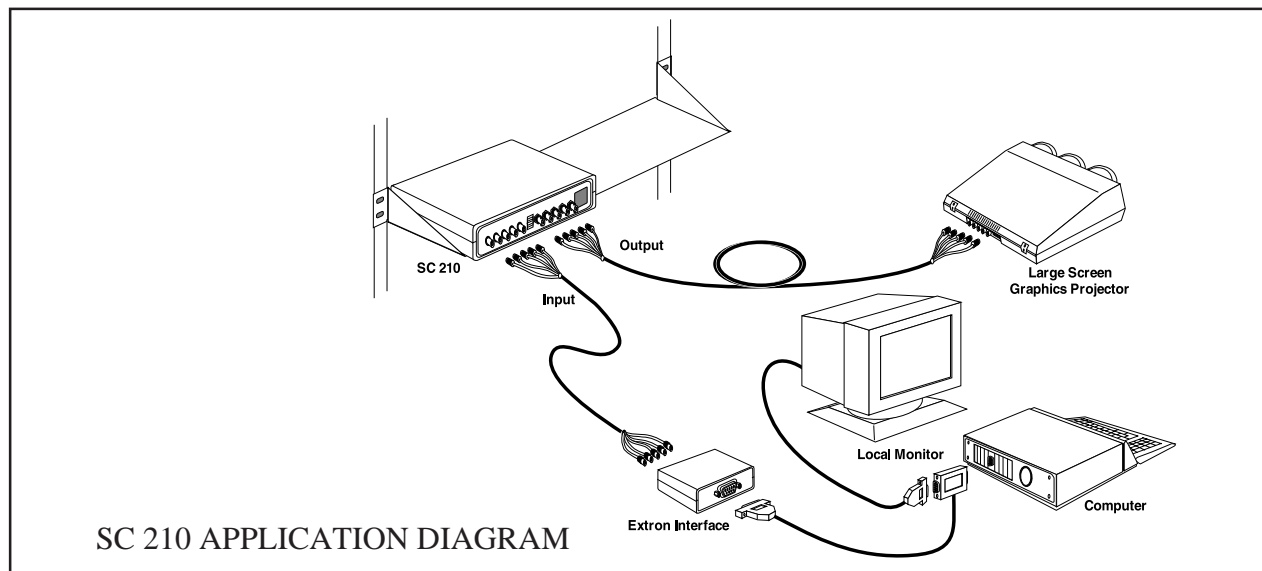
Video: 75Ω
 Sync: 75Ω

Dimensions: 8.75"W x 9.5"D x 1.75"H
 22.22 x 24.13 x 4.45 cm

Shipping Weight: 3 lbs. (1.8 kg)

Warranty: Two years, parts & lab

Part Number: 60-154-01



SC 210 APPLICATION DIAGRAM

