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Find the *Extron SC210* at our website: *Click HERE*

SC 210

Video and Sync Converter/Stabilizer



FEATURES

- **Input: Female BNCs for RGBHV, RGBS, RsGsBs, RGsB**
- **Output: Female BNCs for RGBHV, RGBS, or RGsB**
- **250 MHz (-3 dB) RGB video bandwidth**
- **Accepts any input sync type and converts it to any output sync type** —
  RGsB input converts to RGBS or RGBHV output
  RGBS input converts to RGsB or RGBHV output
  RGBHV input converts to RGsB or RGBS output
  RsGsBs input converts to RGsB, RGBS, or RGBHV output
- **Strips sync on green**
- **DIP switches for horizontal shift, restoration or removal of serration pulses, and input termination**
- **Rack-mountable 1U, half rack width metal enclosure**
- **Internal international power supply**

DESCRIPTION

The Extron **SC 210** is a 250 MHz (-3 dB) Video and Sync Converter/Stabilizer that is designed to provide a one-box solution for all sync routing combinations. The SC 210 accepts virtually any input sync configuration and converts it to any output sync configuration. For example, if RGBS is run through a system with a display device that requires RGBHV, a SC 210 would easily solve the problem while providing sync stability at the same time.

The SC 210 utilizes a built-in sync stripping circuit, which makes it ideal for eliminating costly cabling in matrix switchers by allowing all signals to route as RGsB — sync on green, and then be stripped back out on the output as RGBS or RGBHV. The SC 210 can also be used as a sync stabilizer in applications for which there is noticeable jitter on the projected image.

SPECIFICATIONS

VIDEO

Gain	Unity
Bandwidth	250 MHz (-3 dB)

VIDEO INPUT

Number / Signal type	1 analog RGBHV, RGBS, RGsB, RsGsBs
Connectors	5 BNC female
Nominal level	0.7 Vp-p for RGB
Minimum / Maximum levels	Analog: 0.3 V to 1.5 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)	2 V

VIDEO OUTPUT

Number / Signal type	1 analog RGBHV, RGBS, RGsB
Connectors	5 BNC female
Nominal level	0.7 Vp-p for RGB
Minimum / Maximum levels	Analog: 0.3 V to 1.5 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-28 dB @ 5 MHz
DC offset	±10 mV maximum with input at 0 offset

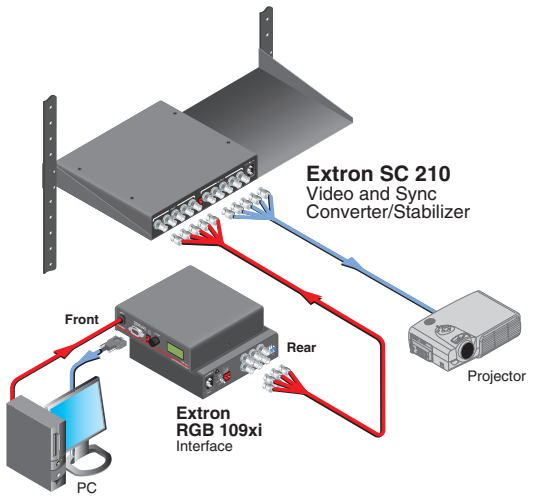
SYNC

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB
Input level	RGBHV, RGBS (min./max): TTL/analog, 0.6 to 5 Vp-p RGsB, RsGsBs (nominal): analog, 0.3 Vp-p
Output level	TTL: 4 V to 5 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	75 ohms
Max. propagation delay	130 ns
Max. Rise / Fall time	4 ns
Polarity	RGBHV, RGBS: positive or negative (follows input) RGsB, RsGsBs: negative

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 10 watts, internal, autoswitchable
Temperature / Humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, noncondensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, noncondensing
Rack mount	Yes, with optional shelf, #60-190-01 or 60-604-01
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.7" W x 9.4" D (1U high, half rack wide) 4.4 cm H x 22.1 cm W x 23.9 cm D
Product / Shipping weight	3.0 lbs (1.4 kg) / 5 lbs (3 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL / CE, FCC Class A
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.



MODEL

MODEL	VERSION DESCRIPTION	PART #
SC 210	Video & Sync Converter	60-154-01

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
RSU 129	1U 9.5" Deep Universal Rack Shelf Kit	page 759	60-190-01
RSB 129	1U 9.5" Deep Basic Rack Shelf	page 760	60-604-01
SYM BNCF/0.5	15-pin HD Male-BNC Female 6" (15 cm)	page 719	26-531-01
SYM BNCM/6	15-pin HD Male to BNC Male Mini High Resolution Cables	page 718	26-533-02

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