

Specifications — SC 210 Sync Processor/Stabilizer

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 V _{p-p} for RGB
Minimum/maximum levels	Analog: 0.3 V to 1.5 V _{p-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 V _{p-p} for RGB
Minimum/maximum levels	Analog: 0.3 V to 1.5 V _{p-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 V _{p-p} RGsB, RsGsBs (nominal): analog, 0.3 V _{p-p}
Output level	TTL: 4 V to 5 V _{p-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 weight	3.0 lbs (1.4 kg)
Shipping weight	5 lbs (3 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A
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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