

VS 200 SL

VideoShift™ Image Orbiter with ShiftLock™



FEATURES

- Helps prevent CRT or plasma display burn-in
- Input: Female BNCs for RGBS and RGBHV
- Output: Female BNCs for RGBS and RGBHV
- Compatible with RGsB, RGBS, or RGBHV signals
- Variable shift range affects horizontal and vertical pixel/line movement
- Imperceptible horizontal and vertical movement
- Test mode allows for setup of image by quickly shifting H&V so the image can be easily centered and sized
- Compatible with both interlaced and non-interlaced computer signals
- RGBHV output allows for the smoothest shifting
- 250 MHz (-3 dB) RGB video bandwidth
- ShiftLock™ allows for "sync-locking" up to 17 VS 200 SLs
- Rack-mountable
- 1U, half rack width metal enclosure
- Internal international power supply

DESCRIPTION

The Extron **VS 200 SL** VideoShift with ShiftLock™ allows an image to be slowly "orbited" or shifted around a CRT or plasma display. Using Extron digital sync circuitry, the VS 200 SL is capable of shifting all types of computer signals, both horizontally and vertically at a very slow speed that it is imperceptible to the eye. This movement, up to one-fourth or 25% of the image, set by range adjustment, is all that is required to help prevent CRT or plasma display burn-in.

ShiftLock allows multiple VS 200 SLs to be "sync-locked" together allowing for simultaneous shifting of multiple images, such as for monitor/projector walls. Because many installations that require VideoShift to help extend the life span of a CRT or plasma display have multiple projection screens side-by-side, ShiftLock must be installed so that all images will move horizontally and vertically at the same time and in the same direction.

SPECIFICATIONS

VIDEO

Gain	Unity
Bandwidth	250 MHz (-3 dB), fully loaded
Frequency response	<±0.1 dB to 15 MHz

VIDEO INPUT

Number / Signal type	1 RGBHV, RGBS, RGsB
Connectors	5 female BNC
Minimum / Maximum levels ..	Analogue: 0.3 V to 1.25 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency	15 kHz to 150 kHz
Vertical frequency	40 Hz to 140 Hz
Return loss	<-30 dB @ 5 MHz

VIDEO SIGNAL CHARACTERISTICS

Unit-to-unit tracking (ShiftLock)	Between units: ±0.5 ns accuracy Long-term drift: ±0.5 ns accuracy <0.1 pixels @ 60 kHz <0.05 pixels @ 31.5 kHz
Rise time	<1.6 ns
Orbiting cycle length	19 minutes

VIDEO OUTPUT

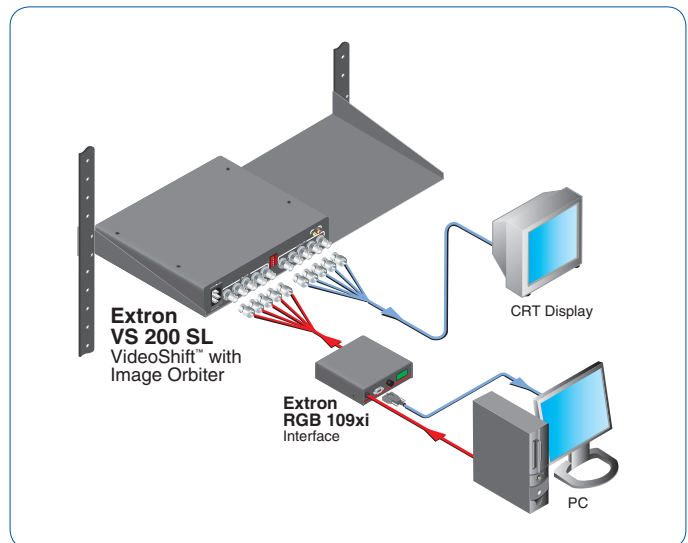
Number / Signal type	1 RGBHV, RGBS, RGsB
Connectors	5 BNC female
Nominal level	0.7 Vp-p (excluding sync)
Impedance	75 ohms
Return loss	<-30 dB @ 5 MHz
DC offset	±5 mV maximum

SYNC

Input type	RGBHV, RGBS, RGsB
Output type	RGBHV, RGBS, RGsB
ShiftLock connectors	2 female jacks (ShiftLock)
Input level	0.5 V to 5 Vp-p
Output level	TTL: 4 V to 5.0 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	75 ohms
Max. Rise / Fall time	4.15 ns
Polarity	Positive or negative

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 12 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 1U rack shelf, part #60-190-01 or 60-604-01
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.7" W x 9.4" D (1U high, half rack wide) 4.2 cm H x 22.1 cm W x 23.9 cm D (Depth excludes connectors and knobs.)
Product / Shipping weight	3.1 lbs (1.4 kg) / 6 lbs (3 kg)



MODEL

VS 200 SL	Video Image Orbiter	60-175-01
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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
MBU 129 1U, 1/2 Rack Width Under-Desk Mount Kit for Four-Piece Enclosure	page 756	70-219-01
SYM BNCM/6 15-pin HD Male to BNC Male Mini High Resolution Cables	page 716	26-533-02

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