

SW2 VGAcc

Two Input VGA-QXGA Switcher with Contact Closure Control



FEATURES

- Input: Two female 15-pin HD connectors
- Output: One female 15-pin HD connector
- 350 MHz (-3 dB) RGB video bandwidth
- Compatible with RGBHV, RGBS, RGSB, RGBHVS, HDTV component video, VGA-QXGA, Mac, and SGI computer-video signals
- Contact closure remote control with tally output status
- 1U, half rack width 6" deep metal enclosure
- Furniture and rack-mountable
- Internal international power supply

DESCRIPTION

The Extron **SW2 VGAcc** is an economical, two input, one output, active switcher for VGA. It allows users to select between two VGA sources and route the selected source to a video output device such as a data monitor or projector. The SW2 VGAcc is capable of switching a variety of analog video signals, including RGBHV, RGBS, RGSB, RGBHVS, and HDTV component video, as well as VGA-QXGA, Mac, SGI, and other high resolution computer-video signals.

The SW2 VGAcc can be controlled via the front panel controls or contact closure. It features tally outputs to provide feedback to a control system. Offering high performance, a compact enclosure, and flexible mounting options, the SW2 VGAcc is ideal for boardrooms, classrooms, multimedia production systems, and other high resolution, computer-video environments.

SYNC

Input type	RGBHV, RGBS, RGSB, RsGsBs
Output type	RGBHV, RGBS, RGSB, RsGsBs (follows input)
Input level	Analog or TTL, 1.7 V to 5.0 Vp-p
Output level	5.0 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	50 ohms
Max. propagation delay	30 ns
Max. Rise / Fall time	4 ns
Polarity	Positive or negative (follows input)

CONTROL / REMOTE — SWITCHER

Contact closure and tally output	(1) 3.5 mm captive screw connector, 5 pole
Contact closure and tally pin configurations	1 = input 1 contact closure, 2 = input 2 contact closure, 3 = GND, 4 = input 1 tally output, 5 = input 2 tally output

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 7 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, 60-190-10, 60-604-01, or 60-604-10; or VersaTools® rack shelf, part #60-190-20 or 60-604-20; Also furniture mountable with an optional Under-Desk Mounting kit, #70-077-01
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.7" W x 6.0" D (1U high, half rack wide) 4.3 cm H x 22.1 cm W x 15.2 cm D (Depth excludes connectors.)
Product weight	2 lbs (1 kg)
Shipping weight	4 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

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

SPECIFICATIONS

VIDEO

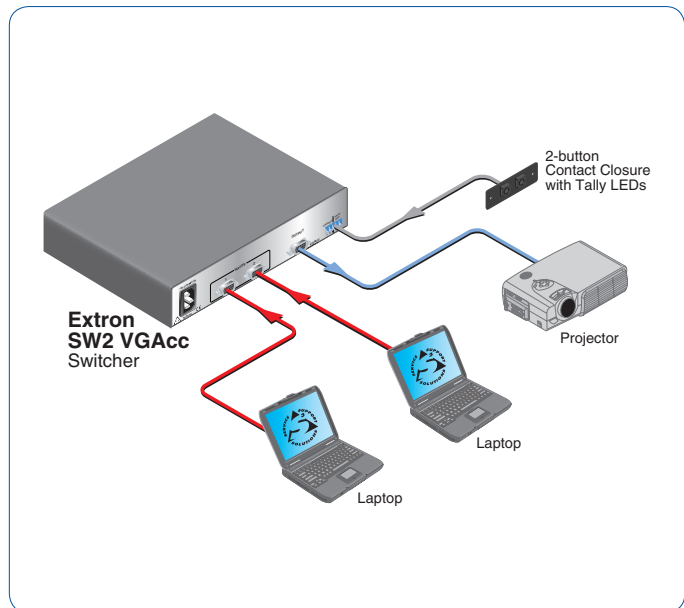
Gain	Unity
Bandwidth	350 MHz (-3 dB)
Crosstalk	<-68 dB @ 10 MHz
Switching speed	5 ms (max.)

VIDEO INPUT

Number / Signal type	2 VGA-UJXGA RGBHV, RGBS, RGSB, RsGsBs computer video
Connectors	2 female 15-pin HD
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum / Maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency	15 kHz to 145 kHz
Vertical frequency	30 Hz to 179 Hz
Return loss	<-42 dB @ 5 MHz
DC offset (max. allowable)	1.7 V

VIDEO OUTPUT

Number/signal type	1 VGA-UJXGA RGBHV, RGBS, RGSB, RsGsBs computer video
Connectors	1 female 15-pin HD
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum / Maximum levels	0.3 V to 1.5 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-43 dB @ 5 MHz
DC offset	±5 mV with input at 0 offset



MODEL

SW2 VGAcc	Two Input VGA	60-679-01
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OPTIONAL ACCESSORIES

RSU 126	1U 6" Deep Universal Rack Shelf Kit	page 759	60-190-10
RSB 126	1U 6" Deep Basic Rack Shelf	page 759	60-604-10