

VSW 2VGA A

TWO INPUT VGA-QXGA AND
STEREO AUDIO SWITCHER

- 300 MHz (-3 dB) RGB video bandwidth
- Autoswitching capabilities
- Buffered loop through for input one
- Front panel toggle switch for manual control
- Contact closure remote control
- Low profile, compact enclosure size
- Through-desk, under-desk, and projector-mountable



The Extron VSW 2VGA A is a two input VGA and stereo audio active switcher capable of manual, contact closure, or autoswitching operation. With 300 MHz (-3 dB) RGB bandwidth, the VSW 2VGA A is ideal for conference rooms, classrooms, multimedia production systems, and other high resolution, computer-video environments.



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DESCRIPTION

The Extron **VSW 2VGA A** is a compact and economical two input, one output, active switcher for VGA and stereo audio. It allows users to select between two VGA sources with audio and route the selected source to a video output device such as a data monitor or projector. In addition, the VSW 2VGA A provides a buffered local monitor output for input one. Multiple VSW 2VGA A switchers can be daisy-chained using Extron high performance pre-fabricated VGA cable to create a multi-user presentation system.

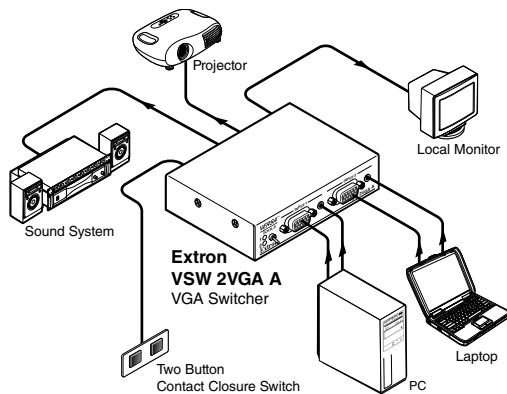
The VSW 2VGA A is capable of switching a variety of analog video signals, including RGBHV, RGBS, RGsB, and RGBHV, as well as VGA-QXGA, Macintosh®, and other high resolution computer-video signals. In autoswitch mode, input sources are selected automatically when the switcher detects an active sync signal, making the VSW 2VGA A ideal for automatic routing and unattended operation.

The high performance VSW 2VGA A can be controlled via its front panel toggle switch or contact closure. Housed in a quarter rack width metal enclosure with flexible mounting options, the VSW 2VGA A is well suited for conference rooms, classrooms, multimedia production systems, and other high resolution, computer-video environments.

FEATURES

- 300 MHz (-3 dB) RGB video bandwidth
- Autoswitching capabilities
- Buffered loop through for input one
- Front panel toggle switch for manual control
- Contact closure remote control
- Low profile, compact enclosure size
- Through-desk, under-desk, and projector-mountable
- External international power supply included (Part # 70-055-01)

APPLICATION DIAGRAM



SPECIFICATIONS

VIDEO	
Gain	Unity
Bandwidth	300 MHz (-3 dB)
VIDEO INPUT AND LOOP-THROUGH	
Number/signal type	2 VGA-UXGA RGBHV, RGBS, RGsB*, RsGsBs*, component video and HDTV component video input
Connectors	(3) 15-pin HD female
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	Analog: 0.4 V to 1.8 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency	15 kHz to 145 kHz
Vertical frequency	30 Hz to 170 Hz
VIDEO OUTPUT	
Number/signal type	1 VGA-UXGA RGBHV, RGBS, RGsB*, RsGsBs*, component video and HDTV component video
Connectors	(1) 15-pin HD female
Impedance	75 ohms
SYNC	
Input type	RGBHV, RGBS, RGsB*, RsGsBs*, bi-level and tri-level (HDTV) component video sync
Output type	RGBHV, RGBS, RGsB*, RsGsBs*, bi-level and tri-level (HDTV) component video sync (follows input)
Input level	1.8 V to 5.0 Vp-p
Output level	TTL: 5.0 V p-p, unterminated
Input impedance	510 ohms
Output impedance	50 ohms
Max. rise/fall time	40 ns
Polarity	Positive or negative (follows input)
AUDIO	
Gain	Unbalanced output: 0 dB
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise	0.04% @ 1 kHz at nominal level
S/N	93 dB at maximum output (unweighted)
Crosstalk	-50 dB @ 20 kHz, -75 dB @ 1 kHz and below 60 Hz
Stereo channel separation	66 dB @ 1 kHz
CMRR	100 dB @ 1 kHz, 90 dB @ 60 Hz, 80 dB @ 20 kHz
AUDIO INPUT	
Number/signal type	2 stereo, unbalanced
Connectors	(2) 3.5 mm mini audio jacks (tip, ring, sleeve)
Impedance	40k ohms unbalanced, AC coupled
Nominal level	-10 dBV (316 mVrms)
Maximum level	+8 dBV, (unbalanced) at 1% THD+N
AUDIO OUTPUT	
Number/signal type	1 stereo, unbalanced
Connectors	(1) 3.5 mm mini audio jack (tip, ring, sleeve)
Impedance	50 ohms unbalanced
Maximum level (Hi-Z)	>+8 dBV, unbalanced at 1% THD+N
Maximum level (600 ohm)	>+4 dBV, unbalanced at 1% THD+N
CONTROL/REMOTE — SWITCHER	
Contact closure	(1) 3.5 mm captive screw connector, 3 pole for momentary contact
Contact closure pin configurations	1 = input 1 select, 2 = input 2 select, 3 = GND
GENERAL	
External power supply	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A (max.), regulated
Rack mount	Yes, 1U rack shelf, part #60-190-01; under-furniture mount #70-077-01, through-furniture mount #70-077-02, projector mount #70-077-04.
Enclosure type	Metal
Enclosure dimensions	1.0" H x 4.3" W x 3.0" D (quarter rack wide) 2.5 cm H x 10.9 cm W x 7.6 cm D
Shipping weight	3 lbs (2 kg)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
NOTE: All nominal levels are at ±10%.	
Model VSW 2VGA A.....	Part Number 60-758-01

Specifications are subject to change without notice.



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