

# Specifications — SW2/4/6 VGArS, SW2/4/6 VGA Ars

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## Video

Gain .....	Unity
Bandwidth .....	350 MHz (-3dB)
Crosstalk .....	<-68dB @ 10 MHz

## Video input

Number/signal type .....	2, 4, or 6 (depending on the model) VGA-UXGA RGBHV, RGBS, RGSB, RsGsBs computer video
Connectors .....	2, 4, or 6 (depending on the model) 15-pin HD female
Nominal level .....	0.7V p-p for RGB
Minimum/maximum levels .....	Analog: 0.3V to 1.5V p-p with no offset
Impedance .....	75 ohms
Horizontal frequency .....	15 kHz to 145 kHz
Vertical frequency .....	30 Hz to 170 Hz
Return loss .....	<-42dB @ 5 MHz

## Video output

Number/signal type .....	1 VGA-UXGA RGBHV, RGBS, RGSB, RsGsBs computer video
Connectors .....	(1) 15-pin HD female
Nominal level .....	0.7V p-p for RGB
Minimum/maximum levels .....	0.3V to 1.5V p-p
Impedance .....	75 ohms
Return loss .....	<-43dB @ 5 MHz
DC offset .....	±5mV maximum with input at 0 offset

## Sync

Input type .....	RGBHV, RGBS, RGSB, RsGsBs
Output type .....	RGBHV, RGBS, RGSB, RsGsBs
Input level .....	0.5V to 5.0V p-p
Output level .....	TTL: 5.0V p-p (unterminated)
Input impedance .....	510 ohms
Output impedance .....	75 ohms
Max. propagation delay .....	30 ns
Max. rise/fall time .....	4.2 ns
Polarity .....	Positive or negative (follows input)

## Audio — SW 2/4/6 VGA Ars models only

Gain .....	Unbalanced output: +6dB; balanced output: +12dB
Frequency response .....	20 Hz to 20 kHz, ±0.05 dB
THD + Noise .....	0.3% @ 1 kHz, 0.3% @ 20 kHz at nominal level
S/N .....	>90dB at rated maximum output
Crosstalk .....	<-65dB @ 20 kHz, <-80dB @ 1 kHz or below 60 Hz
Stereo channel separation .....	>80dB @ 20 Hz to 20 kHz
CMRR .....	>75dB @ 20 Hz to 20 kHz

## Audio input — SW 2/4/6 VGA Ars models only

Number/signal type .....	2, 4, or 6 (depending on the model) stereo, unbalanced
Connectors .....	2, 4, or 6 (depending on the model) 3.5 mm female stereo mini jacks; tip (L), ring (R), sleeve (Gnd)
Impedance .....	>10 kohms unbalanced, DC coupled
Nominal level .....	-10dBV (316mV)
Maximum level .....	+20dBu, (unbalanced) at the 1%THD+N

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## Audio output — SW 2/4/6 VGA Ars models only

Number/signal type .....	1 stereo, balanced/unbalanced
Connectors .....	(1) 3.5 mm captive screw connector, 5 pole
Impedance .....	50 ohms unbalanced, 100 ohms balanced
Nominal level .....	+4dBu (1.23V), balanced -4dBV (0.63V), unbalanced
Maximum level (Hi-Z) .....	>+26dBu, balanced; >+20dBu, unbalanced at 1%THD+N
Maximum level (600 ohm) .....	>+21dBm, balanced; >+15dBm, unbalanced at 1%THD+N

**NOTE** 0dBu = 0.775 volts (RMS).

## Control/remote — switcher

Serial control port .....	RS-232 9-pin female D connector (shared with contact closure)
Baud rate and protocol .....	9600, 8-bit, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND
Contact closure .....	RS-232 9-pin female D connector (shared with RS-232)
Contact closure pin configurations	1 = input #1, 4 = input #2, 6 = input #3, 7 = input #4, 8 = input #5, 9 = input #6
Program control .....	Extron's control program for Windows® Extron's Simple Instruction Set™ – SIS™

## General

Power .....	100VAC to 240VAC, 50/60 Hz, 10 watts, internal, autoswitchable
Temperature/humidity .....	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
Rack mount .....	Yes, with optional 1U rack shelf, part #60-190-01; also under-desk mountable with mounting kit #70-077-01
Enclosure type .....	Metal
Enclosure dimensions .....	1.75" H x 8.75" W x 9.5" D (1U high, half rack width) 4.4 cm H x 22.2 cm W x 24.1 cm D (Depth excludes connectors.)
Product weight .....	2.5 lbs (0.5 kg)
Shipping weight .....	5 lbs (2.3 kg)
Vibration .....	ISTA/NSTA 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** Specifications are subject to change without notice.

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