

Specifications

SW2/4/6 VGArS, SW2/4/6 VGA Ars

Video

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

Video input

Number/signal type.....	2, 4, or 6 (depending on the model) VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs computer video, and HDTV component video
Connectors	2, 4, or 6 (depending on the model) 15-pin HD female
Nominal level.....	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component 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 170 Hz
Return loss	-40 dB @ 5 MHz
Input coupling	DC

Video output

Number/signal type.....	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs computer video, and HDTV component video (follows input type)
Connectors	(1) 15-pin HD female
Nominal level.....	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component 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

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Output type.....	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync (follows input)
Input level	1.0 V to 5.0 Vp-p
Output level	TTL: 5.0 Vp-p, unterminated
Input impedance.....	510 ohms
Output impedance.....	75 ohms
Max. propagation delay.....	47 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: +6 dB; balanced output: +12 dB
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise.....	0.01% @ 1 kHz at nominal level
S/N.....	>90 dB at maximum output (unweighted)
Crosstalk	-45 dB @ 20 kHz, -72 dB @ 1 kHz or below 60 Hz
Stereo channel separation.....	>80 dB @ 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.....	>10k ohms unbalanced, DC coupled
Nominal level.....	-10 dBV (316 mV)
Maximum level.....	+16 dBV, (unbalanced) at 1% THD+N

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

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.....	+4 dBu (1.23 V), balanced -4 dBV (0.63 V), unbalanced
Maximum level (Hi-Z).....	+28 dBu, balanced; +20 dBV, unbalanced at 1%THD+N
Maximum level (600 ohm)	+21 dBm, balanced; +18 dBm, unbalanced at 1%THD+N

Control/remote – switcher

Serial control port.....	RS-232 9-pin female D connector (shared with contact closure)
Baud rate and protocol	9600 baud, 8 data bits, 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; active when a pin momentarily shorts to ground
Show Me contact closure	Pin 5 of each VGA input connector. The input is active (selected) when pin 5 momentarily goes to ground.
Program control	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

General

Power	100 VAC to 240 VAC, 50/60 Hz, 10 watts, internal
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
Cooling	Convection, unvented
Rack mount	Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01(RSU 129) or 60-604-01 (RSB 129) Also furniture mountable with optional under-desk mounting kit, part #70-077-01 (MBU 125), or through-desk mounting kit, part #70-077-02 (MBD 129)
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 9.5" D (1U high, half rack wide) 4.4 cm H x 22.2 cm W x 24.1 cm D (Depth excludes connectors.)
Product weight	2.5 lbs (1.1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances.....	CE, FCC Class A, VCCI, AS/NZS, ICES
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

CMS-042117-D12