

Specifications — AVT 100

RF video input

Number/signal type	1 radio frequency (RF)
Connectors	
NTSC model	1 female F connector
PAL model	1 female IEC 169-2, 75 ohm connector
Sensitivity	-20 to +20 dBmV
Frequency range	55 MHz to 855 MHz
NTSC off air TV channels	2 to 69
Japan	1-62
NTSC CATV cable channels	2 to 125
Japan	1-63
PAL off air TV and cable channels	48 MHz to 855 MHz
Impedance	75 ohms
Vertical frequency	
NTSC model	60 Hz
PAL model	50 Hz

Video output

Number/signal type	1 composite video
Connectors	1 BNC female
Nominal level	1 Vp-p for composite video
Minimum/maximum levels	0.4 V to 1.0 Vp-p (follows input)
Impedance	75 ohms
DC offset	±10 mV with input at 0 offset

Sync

Standards	
NTSC model	NTSC 3.58
International model	PAL

Audio

THD + Noise	NTSC: 0.4% @ 1 kHz PAL: 0.6% @ 1 kHz
S/N	NTSC: -55 dB @ 1 kHz PAL: -58 dB @ 1 kHz
Stereo channel separation	>35 dB @ 1 kHz

RF audio input

Number/signal type	1 (as part of the RF signal)
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NOTE $0 \text{ dBu} = 0.775 \text{ Vrms}$, $0 \text{ dBV} = 1 \text{ Vrms}$, $0 \text{ dBV} \approx 2 \text{ dBu}$

Audio output

Number/signal type	1 balanced/unbalanced; stereo for NTSC, PAL B/G, PAL D/K; mono only for PAL I
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	± 0.5 dB channel to channel

Nominal level	0 dBu
Output level	1 Vrms (max.)

Control/remote — tuner

Serial control port	RS-232; 3.5 mm captive screw connector, 5 pole
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial/IR control pin configurations	1 = TX, 2 = RX, 3 = GND, 4 = modulated IR, 5 = +12 VDC
IR controller module	AVT Remote (optional) 30' maximum, 40 degrees off axis
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

General

External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 1 A (max.), regulated
Power input requirements	12 VDC, 0.5 A
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 (RSU 129, #60-190-01; RSB 129, #60-604-01)
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 6.7" D (1U high, quarter rack wide) 4.3 cm H x 10.9 cm W x 17.0 cm D (Depth excludes connectors.)
Product weight	0.8 lbs (0.4 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
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.

7.53-080607-D9-112712