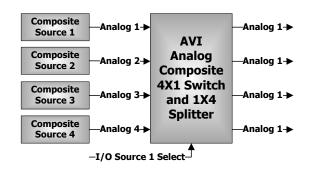


Analog Composite 4X1 Switch and 1X4 Splitter

Overview

The AVI S150201-00 is a fully rugged stand-alone unit that can switch any of four analog composite video inputs to four duplicated analog composite video outputs. It can be used as a 4X1 video switch or 1X4 video splitter. Both NTSC and PAL formats are supported.

Simple I/O control is provided by four I/O pins at 3.3v and reference ground on the power connector. These can be connected to standard rotary switches, encoders, and other control subsystems. On-board micro controller can be set to accommodate any of these control methods.



Standard Features

- Up to four NTSC/PAL video inputs
- Four NTSC/PAL duplicated video outputs of the selected input
- ITU-R BT.470-5 Compliant
- Buffered output for restoration of peak-to-peak video amplitude
- 9 36 V DC Power
- MIL-STD circular power and I/O connector
- -45C^o to 70C^o operation
- Heat dissipating enclosure
- Three-year warranty



Benefits

- Switches any of four analog inputs to all outputs
- Both a switch and a splitter
- Provides "distribution amplifier" function
- No setup required
- Open works with any NTSC/PAL source as well as SECAM

Typical Applications

- Surveillance systems
- Airborne Law Enforcement sensor systems
- Customs and Boarder Protection sensor systems
- Naval and Coastguard ship's sensor systems
- Ground Vehicle sensor systems

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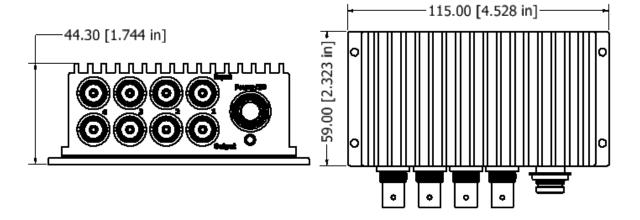
www.appliedvi.com info@appliedvi.com 434 974-6310

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Analog Composite 4X1 Switch and 1X4 Splitter - Specifications

Video Inputs	 Analog Composite NTSC/PAL (4) 	Environmental	 Operating Temp Low 	-45°C	DO-160G Cat B2
	\circ Connector type – BNC 75 Ω		 Operating Temp High 	+70°C	DO-160G Cat B2
Video			• Short Term Op Temp Low	-45°C	DO-160G Cat B4
Outputs	Analog Composite NTSC/PAL (4)		• Short Term Op Temp High	+70°C	DO-160G Cat B4
	○ Buffered		• Ground Survival Low Temp	-55°C	DO-160G Cat B4
	 Duplicate of input 		 Ground Survival High Temp 	+85C°	DO-160G Cat B4
	\circ Connector type – BNC 75 Ω		 Temp Variation 	5C ^o per minute	DO-160G Cat B
Model Number	• S150201-00		Humidity	38C° to 95@ 50C°	DO-160G Cat A
Number			 Operational Shock 	6g @ 11ms, 20G	DO-160G Cat B
Power	• +9 to +36 DC		 Vibration 	Random, 10-2000Hz	DO-160G Cat U, U2
	 TBD A @ 28V DC, Single Channel 		 Explosion Proofness* 	MIL-STD-810G	Method 511.6
	Connector Type LEMO HEN.1M.308.XLNP		 Waterproofness 	Drip Test	DO-160G Cat Y
			 Magnetic Effect 		DO-160G Cat A
Dimensions	• 115.0mm [4.53in] W, 44.3mm [1.74in] H, 59mm		 Power Input 		DO-160G Cat A
and Weight	[2.32in] D		 Voltage Spike 	2x Line Voltage	DO-160G Cat B
und treight	• 0.27 kg [.59 lbs]	DO-160 To be	• EMI/EMC	Sec 18, 19, 20, 21	DO-160G Cat B, CC, R, M
	• 0.27 kg [.35 lbs]	tested	• ESD		DO-160G Cat A
		*By Similarity	 Ingress Rating 	IP68	
		. ,	 Altitude Operating 	50,000ft	DO160G Cat D1



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