

Ideal for transmitting composite video extended distances over twisted pair cable, the Intelix S-V1AT transmits signals to remote Intelix baluns up to 4,000 feet away. The unit features screw terminal connectors for the twisted pair output and one BNC connector for the analog video input, as well as gain switches to adjust the video output signal quality.

The S-V1AT is compatible with all baseband signals, including PAL, NTSC, and SECAM, and features built-in transient protection and exceptional interference rejection. The unit includes a 12V power supply.

When signal quality matters, choose Intelix.

Technical Specifications

Maximum Distance*	active system: 4,000 feet passive system: 1,850 feet	Supported Video	all baseband video signals SECAM, NTSC, PAL
Compatible Active Baluns	S-V1AR S-V16AR	Compatible Cable	Cat 5, Cat 5e, Cat 6, Cat 7
Compatible Passive Baluns	S-V1CP S-V1ST S-V16P S-V1P-R	Compatible Power Supply	12 - 40 VDC 9 - 24 VAC
Signal Band	250 MHz	Power Consumption	less than 100 mw
Balance Band	0-6 MHz	MTBF Stability	greater than 30,000 hours
Attenuation	1.5 dB max	Output Connectors	screw terminals 50 ohm resistance
Interference Rejection	greater than 75 dB	Input Connectors	one (1) female BNC 75 ohm resistance
Video Output Protection	2KV (common mode), 10/700 μ s IEC 6100-4-5/1955 GB/T 1726, 5-1999	Temperature	operating: 32 to 131 F (0 to 55 C) storage: -4 to 185 F (-20 to 85 C) humidity: up to 95%
Video Input Protection	2KV (different mode) 4KV (common mode), 10/700 μ s IEC 6100-4-5/1955 GB/T 1726, 5-1999	Signal Adjustment	four gain switches per channel
Over-current Protection	100 mA max	Diagnostic	power LED signal LED
Transient Immunity	6,000V: 1.2 μ s x 50 μ s per ANSI/IEEE 587 C62.41 B3 3,000V: 8 μ s x 20 μ s when ground screw terminal is bonded to earth ground	Enclosure	RF shielded metal
External Power	12V DC	Dimensions	7.1" x 3.4" x 1.8"
		Compliance	FCC, CE, RoHS
		Ordering Information	S-V1AT: one balun and one power supply
		Warranty	Two years

*Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5.

