

Ideal for transmitting composite video extended distances over twisted pair cable, the Intelix S-V1AR receives signals from remote Intelix baluns up to 4,000 feet away. The unit features screw terminal connectors for the twisted pair input and two BNC connectors for the analog video output, thereby allowing two devices to simultaneously receive the picture. Each output video channel is adjustable with gain and skew switches.

The S-V1AR 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: 2,000 feet	Clamping Voltage	3V
Compatible Active Baluns	S-V1AT	External Power	12V DC
Compatible Passive Baluns	S-V1CP S-V1P-T S-V1ST	Compatible Cable	Cat 5, Cat 5e, Cat 6, Cat 7
Supported Video	all baseband video signals SECAM, NTSC, PAL	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	Input Connectors	screw terminals 50 ohm resistance
Interference Rejection	greater than 75 dB	Output Connectors	two (2) 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
		Dimensions	7.1" x 3.4" x 1.8"
		Compliance	FCC, CE, RoHS
		Ordering Information	S-V1AR: 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.

