



The Intelix S-V1CP transmits composite video, two conductor control, and power over a single twisted pair cable, such as Cat 5 or Cat 6. Used in pairs, S-V1CP baluns replace bulky coaxial video cable and utilize a building's existing structured cabling network.

The S-V1CP features a wave filter and anti-static design and conforms to IEC 61000-4-2:1995 standards. S-V1CP baluns are ideal for security and monitoring applications with such equipment as CCTV cameras, monitors, DVRs, video sequencers, video multiplexers, quads, switchers, and servers.

When signal quality matters, choose Intelix.

Technical Specifications

Maximum Distance*	Video: 1,000 feet Power: 650 feet Control: 1,000 feet	Clamping Voltage	8V
Maximum Input	1.1 Vp-p	Interference Rejection	Yes
Video Signal	1 Vp-p, 75 Ohms	Connectors	<i>Video:</i> One (1) male BNC <i>Power:</i> One (1) male mini-DIN and one (1) female mini-DIN <i>Control:</i> Two (2) bare wire leads <i>Twisted Pair:</i> One (1) RJ45
Bandwidth	DC to 8 MHz	Power Connector Size	0.215" outer diameter 0.081" inner diameter
Impedance	75 ohms	RJ45 Pinout	Video: 1 & 2 Data: 3 & 6 Power: 4 & 5, 7 & 8
Insertion Loss	Less than 2 dB over the frequency range	Temperature	Operating: 32 to 131 F (0 to 55 C) Storage: -4 to 185 F (-20 to 85 C) Humidity: up to 95%
Return Loss	Greater than 15 dB over the frequency range	Enclosure	ABS plastic
Common Mode Rejection	Greater than 40 dB over the frequency range	Dimensions	2.50" x .075" x 1.38" with 5" leads
Protection	1 KV (10/700 μs)	Compliance	FCC, CE, RoHS
Compatible Cable	Cat 5, Cat 5e, Cat 6, Cat 7	Ordering Information	<i>S-V1CP:</i> one balun in bulk packaging <i>S-V1CP-PAC:</i> two S-V1CP baluns in retail-ready packaging
External Power	No power required	Warranty	Two years
Power Maximum Current	1.0A		
Maximum Supported Wattage	18 watts		
Maximum Supported Voltage	48 volts at 15.4 watts		
Supported Control	RS422, RS485, DC		

*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.

Power Supply Requirement using 24AWG Cable

Transmission Distance	Camera Voltage Required 12V DC, 0.5A (6 watts)	Camera Voltage Required 12V DC, 1.0A (12 watts)	Camera Voltage Required 12V DC, 1.5A (18 watts)
160 feet	13.5V	15.5V	17.0V
320 feet	15.5V	18.5V	22.0V
500 feet	17.0V	22.0V	27.0V
650 feet	18.5V	25.5V	32.0V

