



When used with a compatible Intelix balun, the S-V1P-T transmits composite video and power over a single twisted pair cable, such as Cat 5 or Cat 6. The S-V1P-T combines twisted pairs 1, 2, and 4 for power distribution, allowing higher voltage supplies and longer distances. S-V1P-T baluns replace bulky coaxial video cable and utilize a building's existing structured cabling network.

The S-V1P-T features a wave filter and anti-static design and conforms to IEC 61000-4-2:1995 standards. S-V1P-T baluns are ideal for security and monitoring applications with such equipment as CCTV cameras, monitors, DVRs, video sequencers, video multiplexers, quads, switchers, and servers.

Technical Specifications

Maximum Distance*	Video: 1,000 feet Power: 650 feet
Maximum Input	1.1 Vp-p
Video Signal	1 Vp-p, 75 Ohms
Bandwidth	DC to 6 MHz
Impedance	75 ohms
Insertion Loss	Less than 2 dB over the frequency range
Return Loss	Greater than 15 dB over the frequency range
Common Mode Rejection	Greater than 40 dB over the frequency range
Protection	2KV
Compatible Cable	Cat 5, Cat 5e, Cat 6, Cat 7
Distortion	less than 3%
Power Maximum Current	1.5A
Maximum Supported Wattage	18 watts
Maximum Supported Voltage	48 volts at 15.4 watts
Input Power Supply	12 - 24 VAC / 12 - 40 VDC
Resistance	75 ohm
RJ45 Pinout	Video: 1 & 2 Power: 3 & 6, 4 & 5, 7 & 8

Clamping Voltage	8V
Interference Rejection	Yes
Connectors	Video: One (1) male BNC Power: One (1) male mini-DIN Twisted Pair: One (1) RJ45
Compatible Intelix Baluns	S-V16P S-V1P-R
Temperature	Operating: 32 to 131 F (0 to 55 C) Storage: -4 to 185 F (-20 to 85 C) Humidity: up to 95%
Enclosure	ABS plastic
Dimensions	2.50" x .075" x 1.38" with 5" leads
Compliance	FCC, CE, RoHS
Ordering Information	S-VIP-PAC: two baluns in ready packaging S-VIP-R: one receive balun in bulk packaging S-VIP-T: one transmit balun in bulk packaging
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.



Pin	Color
1	Orange/White
2	Orange
3	Green/White
4	Blue
5	Blue/White
6	Green
7	Brown/White
8	Brown



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