



When used with a compatible Intelix balun, the S-V1P-R transmits composite video and power over a single twisted pair cable, such as Cat 5 or Cat 6. The S-V1P-R combines twisted pairs 1, 2, and 4 for power distribution, allowing higher voltage supplies and longer distances. S-V1P-R baluns replace bulky coaxial video cable and utilize a building's existing structured cabling network.

The S-V1P-R features a wave filter and anti-static design and conforms to IEC 61000-4-2:1995 standards. S-V1P-R 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**

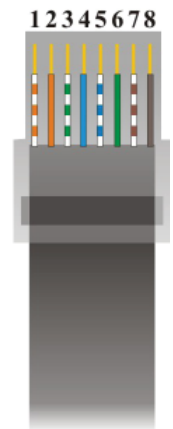
<b>Maximum Distance*</b>	Video: 1,000 feet Power: 650 feet
<b>Maximum Input</b>	1.1 Vp-p
<b>Video Signal</b>	1 Vp-p, 75 Ohms
<b>Bandwidth</b>	DC to 6 MHz
<b>Impedance</b>	75 ohms
<b>Insertion Loss</b>	Less than 2 dB over the frequency range
<b>Return Loss</b>	Greater than 15 dB over the frequency range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

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