

# Intelix V1A2 Video Balun

# Technical Specifications

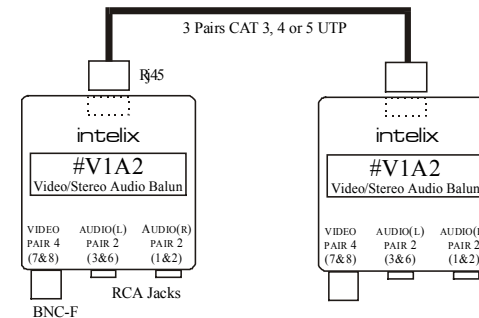
## Technical Specifications

<b>Environment</b>	Composite video and unbalanced audio for the consumer and commercial market	
<b>Devices</b>	DVD, VCR, camcorders, audio receivers, audio amplifiers, splitters, AV switchers, AV mixers, and other analog audio/video equipment featuring coaxial input or output with BNC or RCA connectors	
<b>Bandwidth</b>	Video:	DC to 8 MHz
	Audio:	20 Hz to 50 KHz
<b>Maximum Video Input</b>	1.1 Vp-p	
<b>Insertion Loss</b>	Less than 2 dB per pair over the frequency range from DC to 8 MHz	
<b>Return Loss</b>	Greater than 15 dB over the frequency range from DC to 8 MHz	
<b>Com. Mode Rejection</b>	Greater than 40 dB @ 8 MHz	
<b>Impedance</b>	RCA side (Video):	75 ohms
	RCA Side (Audio):	600 ohms
	RJ45 side:	100 ohms
<b>Cable</b>	UTP:	24 gauge or lower solid copper twisted pair wire
	Impedance:	100 ohms at 1MHz
	Maximum capacitance:	20 pF/foot
	Attenuation:	6.6 dB/1000 ft at 1 MHz
	RCA:	Standard RCA phono cable
<b>Distance</b>	Color:	1500 feet (Cat 3 UTP) 2200 feet (Cat 5 UTP)
	B&W:	2000 feet (Cat 3 UTP) 2500 feet (Cat 5 UTP)
<b>Connectors</b>	One (1) BNC connector Two (2) RCA connectors One (1) RJ45 jack	
<b>Pin config.</b>	<u>Signal</u>	<u>RJ45 Active Pins</u>
	Video:	7 & 8
	Audio 1:	1 & 2
	Audio 2:	3 & 6
<b>Dimensions</b>	2.4" x 2.4" x 1.0"	
<b>Warranty</b>	2 Years	
<b>Ordering Information</b>	V1A2, V1A2-Pac	



The V1A2 Video Stereo Audio Balun transmits composite baseband video and audio signals via unshielded twisted pair (UTP) cable in a Structured Cabling System. The V1A2 is used in pairs to transmit standard NTSC, SECAM, and PAL composite video. It converts a composite baseband video and 600-ohm stereo audio signal from 75 ohm coax to UTP.

The V1A2 is connected to the structured cabling via a modular wall jack in the work area. It is equipped with a BNC 75 ohm connector and two standard RCA phono jacks at one end, as well as an RJ45 jack at the other end.



## Applications

The V1A2 is designed for use with CCTV cameras and monitors, videocassette recorders (NTSC, PAL, or SECAM), video-conferencing, and other audio/video equipment. Applications include: security/surveillance monitoring, video bulletin boards, financial information services, news services, education, video training, airport displays, video capture, stock exchange, hotels, and convention centers.



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