



The AVO-V3HD-F is a commercial balun featuring BNC connectors for transmitting high-definition component video up to 500 feet over standard unshielded twisted pair cabling, such as Cat 5 or Cat 6. The AVO-V3HD-F does not require power.

The Intelix **AvoCat** Series of baluns is the ideal solution for sending video over structured cabling. **When signal quality matters, choose Intelix.**

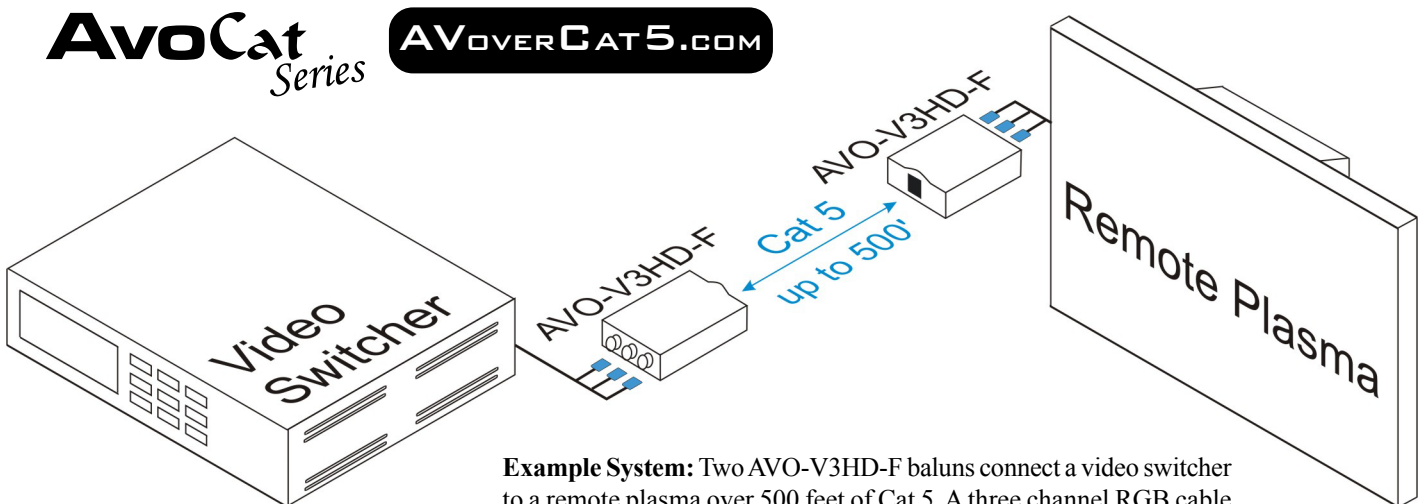


**RoHS**

**Technical Specifications**

<b>Maximum Distance*</b>	<i>Component/RGB video: 500 feet Composite video: 2200 feet</i>	<b>Connectors</b>	Three (3) female BNC to one (1) RJ45
<b>Maximum Input</b>	1.1 Vp-p	<b>RJ45 Pinout</b>	Pr (Red): 7 & 8, pair 4 Y (Green): 3 & 6, pair 3 Pb (Blue): 1 & 2, pair 2
<b>Bandwidth</b>	60 MHz, 3 dB roll off	<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>Impedance</b>	75 ohms at 1 MHz	<b>Enclosure</b>	Black plastic
<b>Insertion Loss</b>	0.1 dB for 0.1 MHz. <i>Gradually increasing to 2.5 dB over the frequency range.</i>	<b>Dimensions</b>	4.3" x 2.5" x 1"
<b>Return Loss</b>	Greater than 15 dB over the frequency range	<b>Weight</b>	0.2 lbs (3.2 oz)
<b>Common Mode Rejection</b>	-55 dB at 0.1 MHz. <i>Gradually increasing to -20 dB at 60 MHz.</i>	<b>Ordering Information</b>	<i>AVO-V3HD-F</i> : single AVO-V3HD-F in bulk packaging <i>AVO-V3HD-PAC-F</i> : two AVO-V3HD-F baluns in retail-ready packaging
<b>Unshielded Twisted Pair Cabling Specifications (24 gauge or lower solid copper)</b>	Maximum capacitance: 20 pf/foot Impedance: 100 ohms @ 1 MHz Attenuation: 6.6 dB/1000 ft. @ 1 MHz <i>Cat 5, Cat 5e, Cat 6, Cat 7 compatible</i>	<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.



**Example System:** Two AVO-V3HD-F baluns connect a video switcher to a remote plasma over 500 feet of Cat 5. A three channel RGB cable with BNC connectors connect the baluns to the switcher and plasma.