

Architectural Specification for the Intelix AVO-V3HD-F Baluns

The unit shall be a balun which transmits high-definition component video over standard unshielded twisted pair cabling, such as Cat 5 or Cat 6. The maximum distance of the unit shall be 500 feet. The bandwidth shall be 60 MHz with a 3dB roll off. The maximum video input shall be 1.1 Vp-p. The insertion loss shall be 0.1 dB for 0.1 MHz and gradually increase to 2.5 dB over the frequency range. The return loss shall be greater than 15 dB over the frequency range. The common mode rejection shall be -55 dB at 0.1 MHz and gradually increase to -20 dB at 60 MHz. The impedance shall be 75 ohms at 1 MHz. The connectors shall be three (3) female BNC to one (1) RJ45. The pin configuration shall be pins 7 & 8, pair 4, for the Pr (red) channel; pins 3 & 6, pair 3, for the Y (green) channel; and pins 1 & 2, pair 2, for the Pb (blue) channel. The unit shall be an Intelix AVO-V3HD-F balun.