

## Architectural Specification for the Intelix AVO-V3PT-F Baluns

The unit shall transmit component video (YPbPr) and control signals over inexpensive structured pair cabling, such as Cat 5 or Cat 6. The maximum distance with 480i or 480p video shall be 1,000 feet. The maximum distance with 720p video shall be 500 feet. The maximum distance with 1080i or 1080p video 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) gold-plated female RCA and one (1) spring tension 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; pins 1 & 2, pair 2, for the Pb (blue) channel; and pins 4 & 5, pair 1, for the pass-through channel. The unit shall be an Intelix AVO-V3PT-F balun.