

## Architectural Specification for the Intelix DIGI-HDMI-F Balun

The unit shall be a balun that transmits a high-definition HDMI signal over two inexpensive twisted pair cables. The maximum distance of the unit shall be 150 feet when transmitting 480i, 480p, 720p, and 1080i over Cat 5e. The maximum distance of the unit shall be 30 feet when transmitting 1080p video over Cat 6. The video amplifier bandwidth shall be 1.65Gbps. The maximum DDC signal input shall be 5.0 Vp-p. The input video signal shall be 1.2Vp-p. The send and receive unit connectors shall both be one type A HDMI connector to two RJ45s. The power connector shall be powered on the receive end with a side mounted connector. The cabling shall be two structured cabling runs. The power supply shall be an external 5 VDC. The enclosure shall be metal. The dimensions shall be 3.25" x 1.75" x 0.88". The unit shall be CE and RoHS compliant. The unit shall include a send balun, receive balun, and one power supply. The unit shall be an Intelix DIGI-HDMI-F high-definition balun set.