

Architectural Specification for the Intelix DIGI-VGA-F VGA and Stereo Audio over Structured Cable Balun

The unit shall transmit high-definition VGA video and stereo audio over structured cabling, such as Cat 5 or Cat 6. When sending a 1920 x 1200 resolution video signal, the maximum distance shall be 250 feet. When sending a 1600 x 1200 resolution video signal, the maximum distance shall be 350 feet. When sending a 1280 x 1024 resolution video signal, the maximum distance shall be 500 feet. When sending a 1024 x 768 resolution video signal, the maximum distance shall be 700 feet. When sending an 800 x 600 resolution signal, the maximum distance shall be 850 feet. The unit shall support up to 350 MHz video bandwidth. The audio frequency response shall be at least 20 Hz to 20 kHz. The audio impedance shall be 600 ohm. The audio nominal level shall be 0 – 1.0V. The audio common mode rejection shall be 60 dB. The send unit shall have one male HD15 video input, one female HD15 output, one 1/8” mini audio input, one 1/8” mini audio output, one shielded RJ45 output, one USB type B connector, and one DIN mini power connector. The receive unit shall have two female HD15 outputs, two 1/8” mini audio outputs, one shielded RJ45 input, and one DIN mini power connector. The unit shall be powered on both the send and receive ends with a 12 VDC power supply. The system shall be optionally powered on the send end from the USB output of the source device. The unit shall feature front panel trim-pot brightness and contrast adjustment. The unit shall be CE, FCC, RoHS, and UL listed and/or compliant. The unit shall be warranted no less than two years. The unit shall be an Intelix DIGI-VGA-F VGA and stereo audio balun.