

The Intelix HDMI balun allows a HDMI (high definition multimedia interface) signal to be transmitted via cost-effective twisted pair (Cat 5) cable. The Intelix HDMI supports standard HDTV resolutions and is HDCP compliant. Typical applications include home theater systems, classroom and educational facilities, corporate and boardroom audio-visual systems, and digital signage.

The Intelix HDMI contains both a send and receive balun. The HDMI is powered at either the send or the receive unit, which ever setup best fits the application.

Technical Specifications

Maximum Distance*	150 feet	Power	External 5 VDC; powered on either end
Video Amplifier Bandwidth	1.65 GHz	Max Power Consumption	15 watts max
Supported Video Resolutions	480p, 720p, 1080i, 1080p, 1920x1200	Temperature	Operating: 32 to 131 F (0 to 55 C) Storage: -4 to 185 F (-20 to 85 C) Humidity: up to 95%
Single Link Range	1080p/1920x1200	Dimensions	3.4" x 3.25" x 1.25" (send and receive balun)
Vertical Frequency Range	60 Hz.	Shipping Weight	3 lbs.
Input Video Signal	1.2 volts p-p	Ordering Information	HDMI, includes both send and receive baluns, one power supply, one 6' HDMI cable, and mounting plates
Input DDC Signal	5 volts p-p (TTL)	Warranty	Two years
Connectors	<i>Send balun:</i> One (1) type A HDMI connector to two (2) shielded RJ45 <i>Receive balun:</i> One (1) type A HDMI connector to two (2) shielded RJ45		
Cabling	Two structured cabling runs required: shielded Cat 5 recommended for the video signal, unshielded Cat 5 suitable for the DDC signal		

*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: The Intelix HDMI connects a remote satellite receiver to a television over two runs of Cat 5, one shielded and one unshielded. The system is powered at the send balun.

