

DIGI-HDMI-IR HDMI over Twisted Pair Balun

Technical Specifications



The Intelix DIGI-HDMI-IR transmits a high-definition HDMI signal and an IR signal up to 150 feet over two inexpensive twisted pair cables, such as Cat 5e or Cat 6. The DIGI-HDMI-IR supports 1080p high-definition video and is HDCP compliant. Each DIGI-HDMI-IR includes one send unit, one receive unit, one IR emitter, one IR receiver, and one power supply. The system is powered on the receive end.

Power and status LEDs provide visual diagnostics.

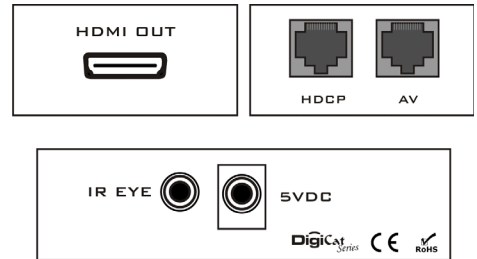
The DIGI-HDMI-IR features electrostatic discharge (ESD) protection circuitry which safeguards the HDMI circuit against static electricity and other destructive stray voltage.

The Intelix **DigiCat** Series of baluns is the ideal solution for sending digital, high-performance signals over structured cabling. **When signal quality matters, choose Intelix.**

Features

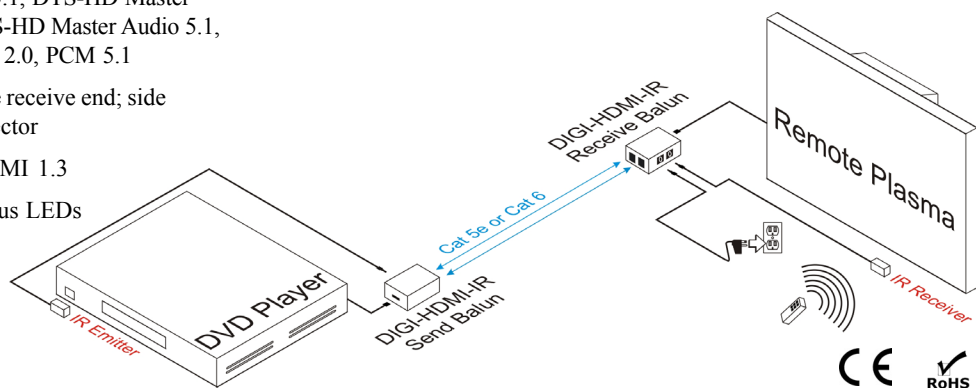
- 1080i and IR up to 150 feet
- 1080p and IR up to 100 feet
- HDCP compliant
- Power on the receive end

Line Drawings



Specifications

Maximum Distance*	480i, 480p, 576i, 576p, 720p, 1080i: 150' 1080p: 100'	Cabling	Two unshielded structured cabling runs required; Cat 5e or Cat 6 recommended
Supported Video Resolutions	480i, 480p, 720p, 1080i, 1080p 8, 10, 12 bits per channel	Temperature	Operating: 32 to 131 F (0 to 55 C) Storage: -4 to 185 F (-20 to 85 C) Humidity: up to 95%
Input DDC Signal	5.0 volts p-p (TTL)	Dimensions	3.25" x 1.75" x 0.88"
Supported IR Carrier Freq.	36 - 40 kHz	Enclosure	Metal
Input Video Signal	1.2 volts p-p	Shipping Weight	1.0 lbs
Video Amplifier Bandwidth	1.65 Gbps	Ordering Information	<i>DIGI-HDMI-IR</i> : includes one send balun, one receive balun, two mounting brackets, one IR emitter, one IR receiver, and one power supply
Send Unit Connectors	One (1) type A HDMI connector to two (2) RJ45s One (1) 1/8" mini (3.5 mm) female IR connector	Compliance	CE, RoHS
Receive Unit Connectors	Two (2) RJ45s to one (1) type A HDMI connector One (1) 1/8" mini (3.5 mm) female IR connector	Power Supply	External 5 VDC
Supported Audio	Dolby TrueHD 7.1, Dolby TrueHD 5.1, Dolby Digital 5.1, DTS-HD Master Audio 7.1, DTS-HD Master Audio 5.1, DTS 5.1, PCM 2.0, PCM 5.1	Warranty	Two years
Power Connector	Powered on the receive end; side mounted connector		
Output Video	HDMI 1.2/HDMI 1.3		
Diagnostic Indicators	Power and status LEDs		
ESD Protection	Yes		



* Distances 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.