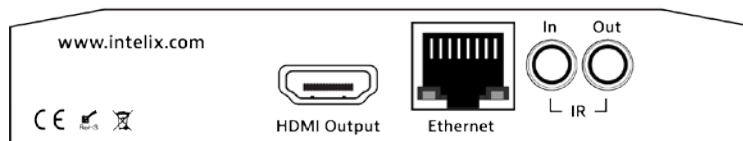
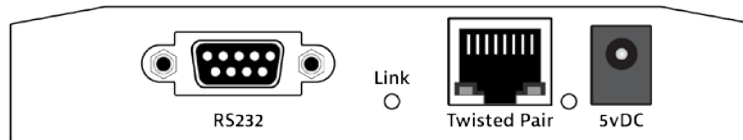
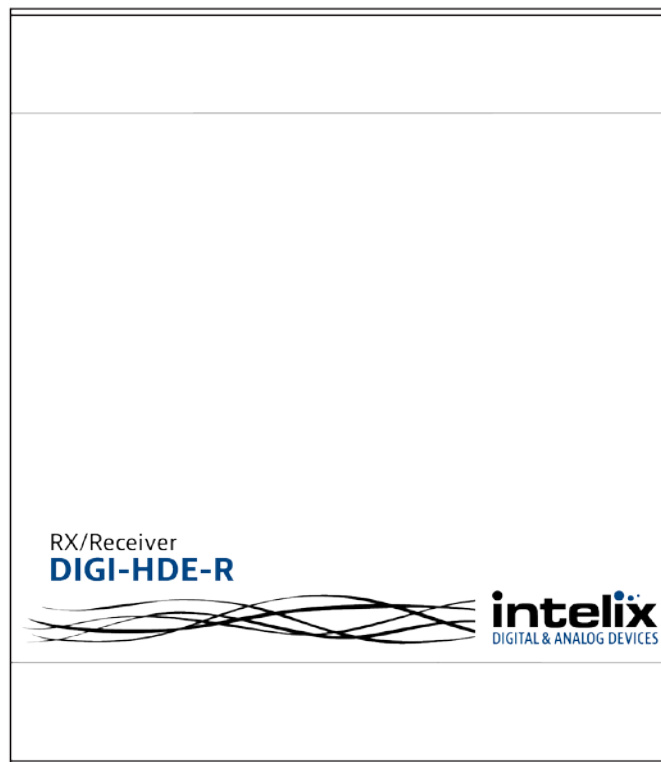


DIGI-HDE-R Technical Specifications

100m HDMI, IR, RS232, and Ethernet Receiver Using HDBaseT
Rev. 140814

The Intelix DIGI-HDE extends HDMI, Ethernet, bi-directional IR and bi-directional RS232 over a single twisted pair cable. The DIGI-HDE supports 1080p, 2k, 4k, and 3D video up to 100m.

Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. The DIGI-HDE incorporates HDBaseT technology.



Technical Specifications	
I/O Connections	
HDMI	One (1) HDMI Type A Receptacle
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
RS232	One (1) Male DE9
IR Input	One (1) 3.5mm TRS
IR Output	One (1) 3.5mm TS
5V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel
Supported Audio, Video and Control	
Maximum Video Compatibility	Deep Color 48/36/30/24 Bit at 1080p, 2k, 4k, and 3D
Supported 3D Formats	Field Alternative (interlaced), Frame Packing, Line Alternative Full, Side-By-Side Half, Side-By-Side Full, 2D + Depth, 2D + Depth + Graphics + Depth
Video Compliance	HDMI, HDCP, and CEC (Consumer Electronics Control)
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	0.5 to 1.0 volts p-p
IR Carrier Frequency Range	33-55kHz at 5 volts
Ethernet	100BaseT
RS232 Baud Rate	Up to 115200 baud
HDBaseT Signal Characteristics	
Maximum Distance	100 m
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
Gain	0 dB – 10 dB at 100 MHz
Resolution Range	640x350 – 4096x2160
Signal to Noise Ratio (SNR)	> 70 dB at 100 MHz over 100 m
Return Loss	< -30 dB at 5 KHz
Total Harmonic Distortion (THD)	< 0.005% at 1 KHz
Min-Max Signal Level	< 0.3 V – 1.45 Vp-p
Differential Phase Error	±10° at 135 MHz over 100 m
Chassis and Environmental	
Enclosure	Painted steel
Dimensions	123mm x 106mm x 23mm (4.84 in x 4.17 in x 0.91 in)
Shipping Weight	0.5 kg (1.1 lbs)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Temperature (Chassis)	31° C (88° F)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Storage Temperature (Environment)	-10° to +60° C (+14° to +140° F)
Storage Humidity (Environment)	20% to 90%, Non-condensing
Power, ESD, and Regulatory	
Maximum Power Consumption	7 watts
Power Supply	5vDC / 2A
ESD Protection	15kV
Regulatory	CE, RoHS
Other	
Standard Warranty	2 Years
Diagnostic Indicators	Link and power LEDs
Compatible Transmitters	DIGI-HDE-S, DIGI-HD70-S, DIGI-HD60C-S, FLX-BO4, FLX-BO4A, ASW-WP, DIGI-P123, DIGI-P52
Included Accessories	US Power Supply, IR emitter, IR receiver, Installation Guide

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.