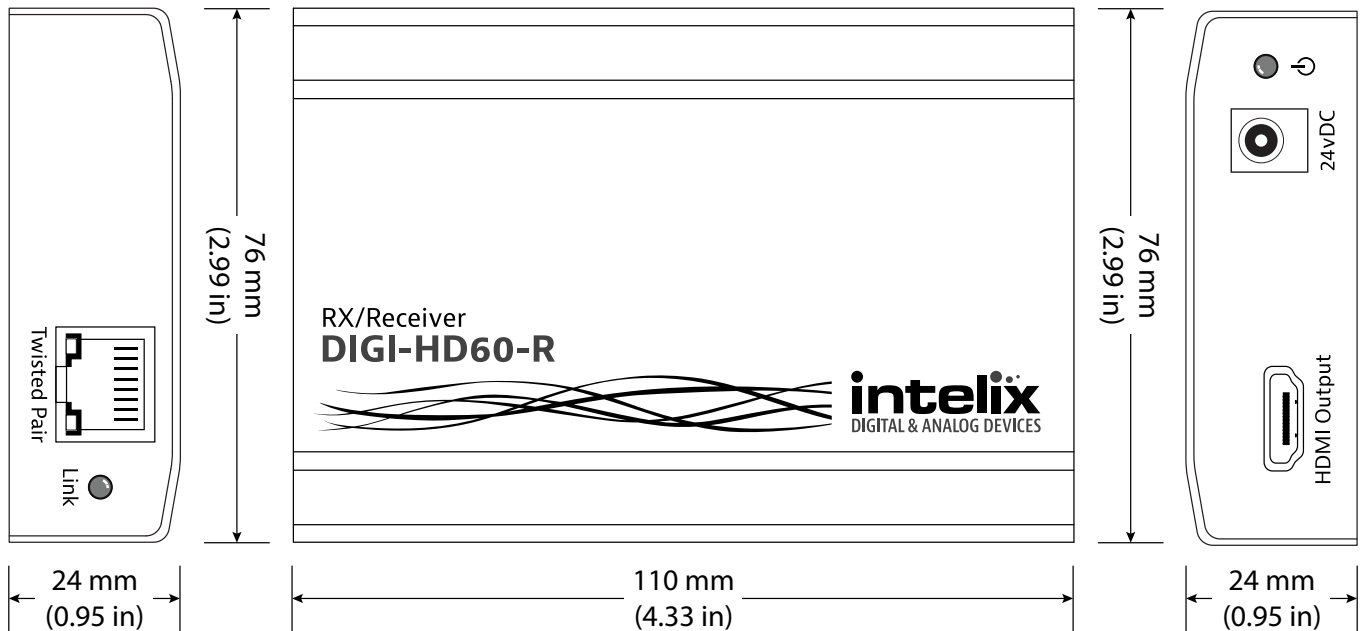# DIGI-HD60-R Technical Specifications

60m HDMI with Flexible Power Receiver Using HDBaseT

Rev 141125

The Intelix DIGI-HD60-R extends HDMI over a single cable by incorporating HDBaseT technology. The DIGI-HD60-R supports a 1080p video signal including multichannel audio up to 60m, as well as 3D and 4K x 2K signals up to 35m. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. Flexible power design allows the units to be powered at either the TX or RX end, and only one power supply is required. The power supply (PS-24D-25) is sold separately.

The DIGI-HD60 series extenders are compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.

Twisted Pair

Link

76 mm
(2.99 in)

RX/Receiver
DIGI-HD60-R

intelix
DIGITAL & ANALOG DEVICES

24 mm
(0.95 in)

110 mm
(4.33 in)

24vDC

76 mm
(2.99 in)

HDMI Output

24 mm
(0.95 in)

Input/Output Connections	
HDMI	One (1) HDMI Type A Receptacle
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
24V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel (Locking)
Supported Audio and Video	
Maximum Video Compatibility at 60 m	Deep Color 36/30/24 Bit at 1080p
Maximum Video Compatibility at 35 m	Deep Color 48 Bit at 1080p, 3D, and 4k x 2k
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
HDBaseT Signal Characteristics	
Maximum Distance	60 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
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	110mm x 76mm x 24mm (4.33 in x 2.99 in x 0.95 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) (S); 38° C (100° F) (R)
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	
PoE Standard to extender	802.3af
Maximum Power Consumption	22 watts
Power Supply (Not Included)	24V DC / 1.5 Amp
ESD Protection	15kV
Regulatory	CE, RoHS
Other	
Standard Warranty	2 years
Diagnostic Indicators	Link and power LEDs
Included Accessories	Installation Guide
Compatible Transmitters (AV Only)	FLX-BO4A, DIGI-44B, DIGI-88B, DIGI-P123
Compatible Transmitters (AV and PoE)	DIGI-HD60-S, DIGI-HDX-S, ASW-WP, FLX-44, DIGI-P52
Accessories	
Power Supply	PS-24D-25
Universal Mounting Bracket	DIGI-PMK1

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