

## DIGI-HD60C Technical Specifications

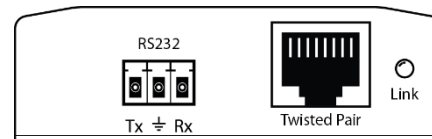
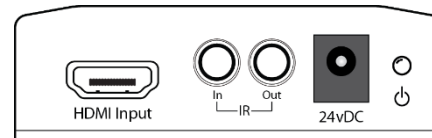
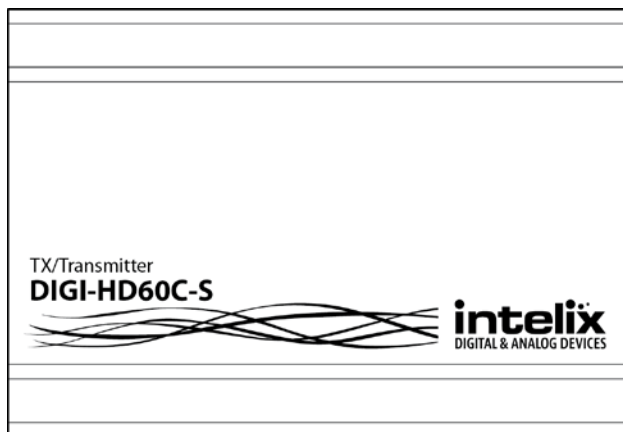
HDMI, IR, RS232 extender with flexible power

Rev. 150421

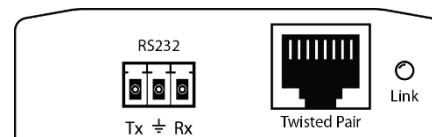
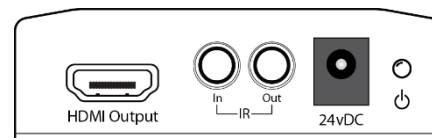
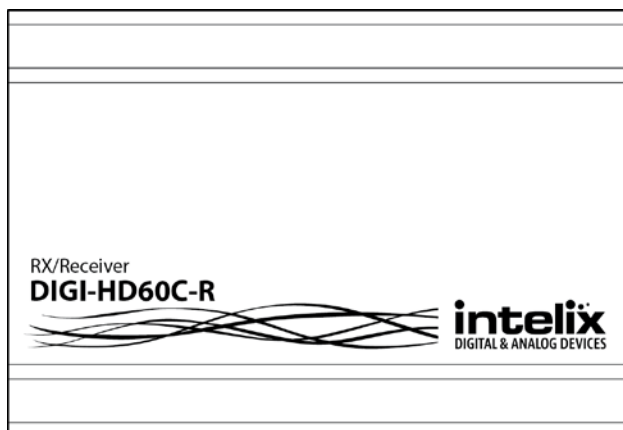
The Intelix DIGI-HD60C extends HDMI, IR, and RS232 over a single twisted pair cable. The DIGI-HD60C supports a 1080p video signal, including HDCP 2.2 and multichannel audio, up to 60m, as well as 3D and 4K x 2K (UHD) signals up to 35m.

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) and IR accessories (DIGIB-EMT and DIGIB-EYE) are sold separately.

### DIGI-HD60C-S



### DIGI-HD60C-R



Technical Specifications	
<b>I/O Connections</b>	
HDMI	One (1) HDMI Type A Receptacle
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
IR Input	One (1) 3.5mm TRS Jack
IR Output	One (1) 3.5mm TS Jack
RS232	One (1) 3-Pole Euroblock connector
24V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel (Locking)
<b>Supported Audio, Video and Control</b>	
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 (UHD) up to 30 Hz: RGB, YCbCr 4:4:4, YCbCr 4:2:2; up to 60 Hz: YCbCr 4:2:0
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 2.2, 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
RS232 Baud Rate	Up to 115200 baud
PoE Standard	802.3af
<b>HDBaseT Signal Characteristics</b>	
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
<b>Chassis and Environmental</b>	
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
<b>Power, ESD, and Regulatory</b>	
PoE Standard to extender	802.3af
Maximum Power Consumption	8 watts (S), 22 watts (R)
Power Supply (Not Included)	24vDC / 1.5 Amp
ESD Protection	15kV
Regulatory	CE, RoHS
<b>Other</b>	
Standard Warranty	2 Years
Diagnostic Indicators	Link and power LEDs
DIGI-HD60C-R Compatible Transmitters	DIGI-HD70-S, DIGI-HD60C-S, DIGI-HDE-S, FLX-BO4A, DIGI-44B, DIGI-88B, ASW-WP, DIGI-P123, DIGI-P52
DIGI-HD60C-S Compatible Receivers	DIGI-HD70-R, DIGI-HD60C-R, DIGI-HDE-S, FLX-BI4
Included Items	Installation Guide
<b>Accessories</b>	
Power Supply	PS-24D-25
IR Emitter	DIGIB-EMT
IR Eye	DIGIB-EYE
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.