DIGI-HD60C Technical Specifications

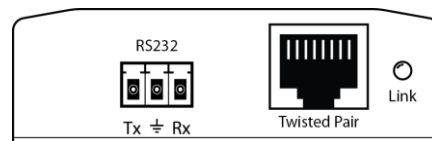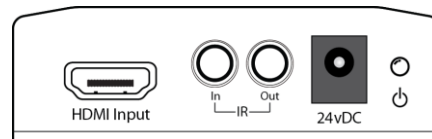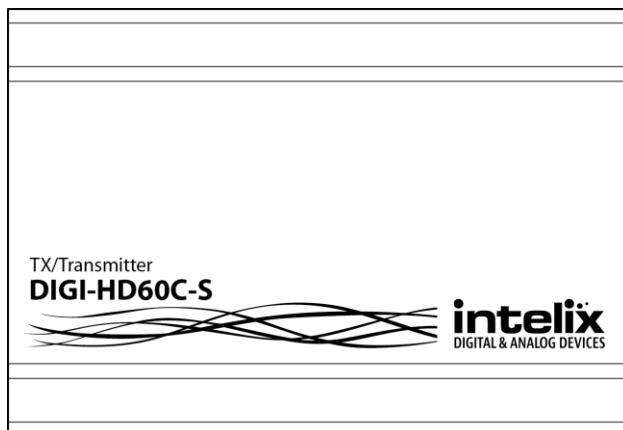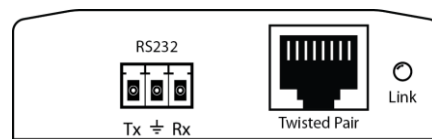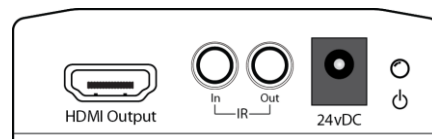**HDMI, IR, RS232 extender with flexible power**

Rev. 130703

The Intelix DIGI-HD60C extends HDMI, IR, and RS232 over a single twisted pair cable. The DIGI-HD60C supports a 1080p video signal 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) and IR accessories (DIGIB-EMT and DIGIB-EYE) are sold separately.

DIGI-HD60C-S

DIGI-HD60C-R

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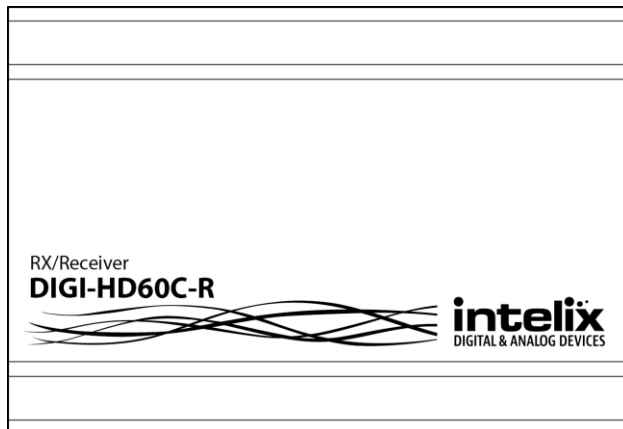
Technical Specifications

I/O Connections

HDMI	One (1) HDMI Type A Receptacle Connector
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)

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
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	Category 5e, 6, or 6A with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
Gain	0 dB – 10 dB at 100 MHz
Resolution Range	800x600 – 1920x1200
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

Maximum Power Consumption	8 watts (S), 22 watts (R)
Power Supply (Not Included)	24vDC / 1.5 Amp
ESD Protection	15kV
Regulatory	CE, RoHS

Other

Standard Warranty	2 Years
Diagnostic Indicators	Link and power LEDs
DIGI-HD60-R Compatible Transmitters	DIGI-HD60-S, FLX-BO4A, DIGI-44B, DIGI-88B, ASW-WP
DIGI-HD60-S Compatible Receivers	DIGI-HD60-R, FLX-BI4
Included Items	Installation Guide

Accessories

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. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.

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