

DIGI-HD70 Technical Specifications

70m HDMI Extender Using HDBaseT
Rev. 140814

The Intelix DIGI-HD70 extends HDMI over a single twisted pair cable. The DIGI-HD70 supports a 1080p video signal up to 70m, as well as 3D and 4K x 2K signals up to 40m.

Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. The DIGI-HD70 incorporates HDBaseT technology.



Technical Specifications	
I/O Connections	
HDMI	One (1) HDMI Type A Receptacle
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
5V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel
Supported Audio and Video	
Maximum Video Compatibility at 70 m	Deep Color 36/30/24 Bit at 1080p
Maximum Video Compatibility at 40 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	70 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	110 mm x 76 mm x 24 mm (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	4 watts (S), 11 watts (R)
Power Supply	5vDC / 2A
ESD Protection	15kV
Regulatory	CE, RoHS
Other	
Standard Warranty	2 Years
Diagnostic Indicators	Link and power LEDs
DIGI-HD70-R Compatible Transmitters	DIGI-HD70-S, DIGI-HD60C-S, DIGI-HDE-S, FLX-BO4, FLX-BO4A, ASW-WP, DIGI-88B, DIGI-44B, DIGI-P123, DIGI-P52
DIGI-HD70-S Compatible Receivers	DIGI-HD70-R, DIGI-HD60C-R, DIGI-HDE-R, FLX-BI4
Included Accessories	US Power Supply, Installation Guide
Mounting Solution	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.