

## DIGI-HD-1X4 Technical Specifications

One Input to Four Output HDMI over Twisted Pair Distribution Amplifier

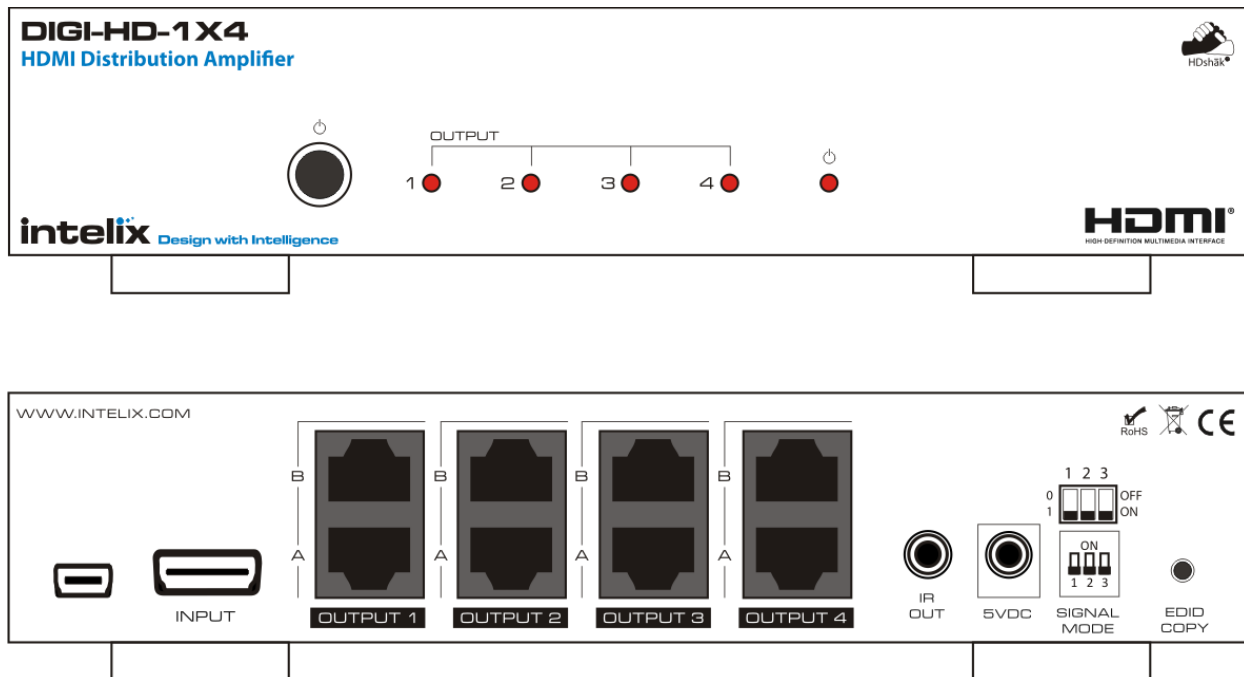
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The Intelix DIGI-HD-1X4 seamlessly distributes one HDMI input to four twisted pair outputs. Built-in twisted pair extenders provide cabling distances up to 300 feet when used with compatible Intelix twisted pair receivers, such as the DIGI-HD-UHR2-R, DIGI-HD-IR3-R, and DIGI-HD-XR.

When distributing HDMI audio and video over twisted pair cabling, the DIGI-HD-1X4 requires a single Cat 5e or Cat 6 cable.

When distributing HDMI audio and video *and* IR over twisted pair cabling, the DIGI-HD-1X4 requires two Cat 5e or Cat 6 cables. IR is transmitted from the display location, through the compatible Intelix twisted pair receiver, over the twisted pair cable, and out of the *IR OUT* port on the DIGI-HD-1X4 to the source equipment.

The DIGI-HD-1X4 supports 3D, is HDCP compliant, and features Intelix HDshāk processing, including bandwidth limiting circuitry and custom EDID configuration and emulation.



| Technical Specifications                           |   |
|--|---|
| <b>I/O Connections</b>                             |   |
| HDMI Input   | One (1) HDMI Type A Receptacle Connector  |
| Twisted Pair Outputs                               | Four (4) dual shielded RJ45   |
| IR Output  | One (1) 3.5 mm jack (TS)  |
| 5V DC Power  | One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel  |
| Firmware Update Port                               | One (1) USB Mini connector *Factory use only!*  |
| DIP Switch   | Three switch DIP  |
| <b>Supported Audio and Video</b>                   |   |
| HDTV Video Resolutions                             | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p  |
| VESA Video Resolutions                             | Up to 1920x1200   |
| Embedded Audio Compatibility                       | Up to PCM 5 channel, Dolby Digital TrueHD, and DTS-HD Master Audio  |
| Maximum Distance per Linked Unit (Cat 5e)          | 1080p 3D: 66 feet; 1080p: 100 feet; 1080i/720p: 200 feet; 480i/480p/576i/576p: 200 feet   |
| Maximum Distance per Linked Unit (Shielded Cat 6a) | 1080p 3D: 100 feet; 1080p: 150 feet; 1080i/720p: 300 feet; 480i/480p/576i/576p: 300 feet  |
| DIP Switch Modes                                   | 1080i/2.0, 1080p/2.0, 1080p/5.1, Copy and Use EDID; Single Twisted Pair Output or Dual Twisted Pair Output                            |
| <b>Extender Signal Characteristics</b>             |   |
| Video Amplifier Bandwidth                          | 1.65 Gbps   |
| Input DDC Signal                                   | 5.0 volts p-p (TTL)   |
| Input Video Signal                                 | 0.5 to 1.0 volts p-p  |
| Supported IR Carrier Frequency                     | 36 – 40 kHz at 5 volts  |
| <b>Chassis and Environmental</b>                   |   |
| Enclosure  | Painted Steel   |
| Dimensions   | 200mm x 42mm x 113mm (7.87 in. x 1.65 in. x 4.45 in.)   |
| Shipping Weight                                    | 1.1 kg (2.5 lbs)  |
| Operating Temperature                              | 0° to +40° C (+32° to +104° F)  |
| Operating Humidity                                 | 20% to 90%, Non-condensing  |
| Storage Temperature                                | -10° to +60° C (+14° to +140° F)  |
| Storage Humidity                                   | 20% to 90%, Non-condensing  |
| <b>Power, ESD, and Regulatory</b>                  |   |
| Power Supply                                       | 5vDC / 3A   |
| Power Consumption                                  | 8 watts   |
| ESD Protection                                     | 15kV  |
| Regulatory   | CE, RoHS  |
| <b>Other</b>                                       |   |
| Warranty   | 2 years   |
| Diagnostic Indicators                              | Output status and power LEDs  |
| Included Accessories                               | US Power Supply, Installation Guide, IR Emitter   |
| Compatible Receivers                               | DIGI-HD-IR3-WP-R*, DIGI-HD-IR3-R*, DIGI-HD-XR, DIGI-HD-IR2-R, DIGI-HD-UHR2-WP-R, DIGI-HD-UHR2-R<br>*Bidirectional IR is not supported |

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.