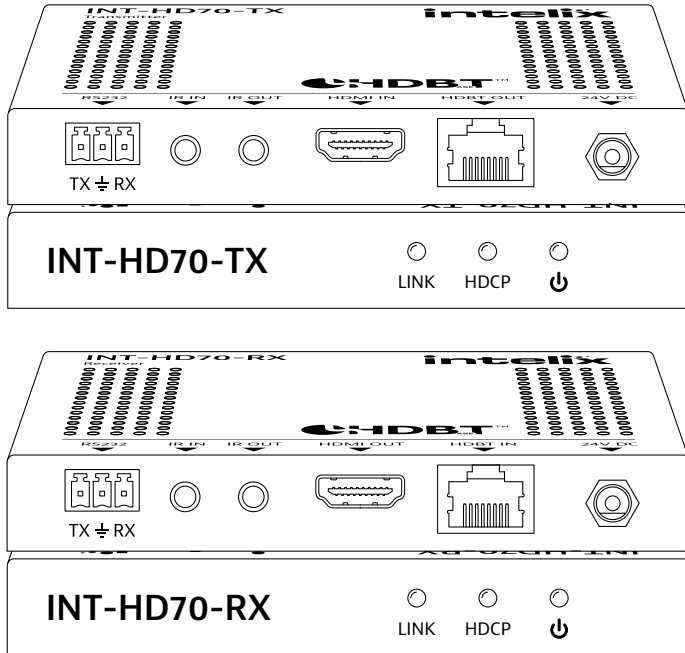


# intelix

## INT-HD70 Installation Guide



The Intelix INT-HD70 extends HDMI, IR, and RS232 over a single solid core shielded Category 5e or greater cable using the Valens VS010TX HDBaseT chip. The INT-HD70 supports a 1080p video signal, including HDCP 2.2 and multichannel audio, up to 70m, as well as 3D and 4K x 2K (UHD) signals up to 40m. 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 is included; IR accessories (DIGIB-EMT and DIGIB-EYE) are sold separately.

The INT-HD70 series extenders are compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.

# Installation Instructions

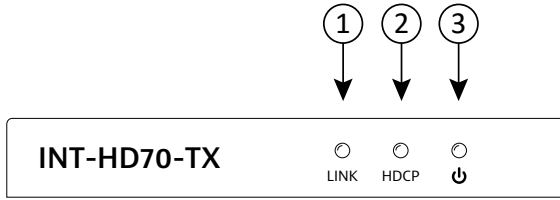
The following instructions describe the installation process for a point-to-point installation. The procedure is similar for compatible HDBaseT components.

1. Verify all components included with the INT-HD70 extender are present before installation.
2. If the INT-HD70 extender will be permanently mounted to a surface, attach the included mounting brackets with the supplied screws.
3. Turn off power and disconnect the audio/video equipment by following the manufacturer's instructions.
4. Connect shielded, solid core Category 5e or greater twisted pair cable with RJ45 connectors between the INT-HD70-TX and the INT-HD70-RX. TIA/EIA-568B straight-through wiring connections must be used with all HDBaseT extenders.
5. Connect an HDMI cable and any desired control accessories between the source and the transmitter.
6. Connect an HDMI cable and any desired control accessories between the display and the receiver.
7. Connect the power supply to either the INT-HD70-TX or the INT-HD70-RX and lock the power supply to the power connector by twisting the locking collar clockwise.
8. Power on attached audio/video devices.

## **Important notice:**

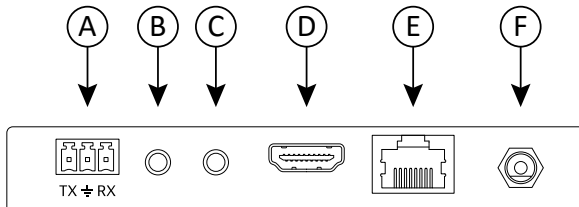
- Do not attempt to disassemble or alter the extender housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.
- Do not connect the extender to a telecommunication outlet wired to unrelated equipment. Doing so may damage the unit or any connected equipment. Ensure all connected twisted pair cabling is straight-through (point-to-point).
- Allow proper ventilation to reduce the risk of thermal failure.

## Extender Front



1. HDBaseT Link Indicator
2. HDCP Activity Indicator
3. Power Indicator

## Extender Rear



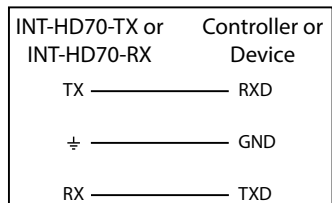
- A. RS232 Port
- B. IR Input
- C. IR Output
- D. HDMI port: Input on TX; Output on RX
- E. HDBaseT port: Output on TX; Input on RX
- F. 24V DC Power Input

## Included Accessories

- Extender
- Locking Power Supply with Power Adapters
- Two Mounting Rails with Screws
- 3-pole Removable Terminal Block
- Installation Guide

### **RS232 Wiring**

Connect the controller or device RXD signal to TX on the INT-HD70 extender. Connect the controller or device TXD signal to RX on the INT-HD70 extender.



<b>Supported Audio, Video, and Control</b>	
Video Resolutions	SMPTE: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, UHD/30 VESA: Resolutions up to 1920x1200 Color Depth: 24, 30, 36, 48bit
Maximum Video Compatibility at 70 m	Deep Color 36/30/24 Bit at 1080p
Maximum Video Compatibility at 40 m	1080p 3D, UHD/30, Deep Color 48 Bit at 1080p
Video Compliance	HDMI 1.4 and HDCP 1.4/2.2
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
CEC (Consumer Electronics Control)	Yes (Pass-through Only)
Supported Baud Rates	2400, 4800, 9600, 19200, 38400, 57600, 115200
Supported IR Carrier Frequencies	33 to 55 kHz
<b>HDBaseT Signal Characteristics</b>	
Maximum Distance	70 m (229 ft)
Cable Requirements	Continuous shielded solid core Cat 5e or greater with TIA/EIA-568B crimp pattern (no couplers in-line)
HDBaseT Chipset	VS010
<b>Chassis and Environmental</b>	
Dimensions (H x W x D)	16.2 mm x 115 mm x 109 mm (0.64 in x 4.53 in x 4.29 in)
Operating Temperature	0° to +40° C (+32° to +104° F)
<b>Power, ESD and Regulatory</b>	
Power Input	24V DC 1.25A or 48V DC PoH (Power over HDBaseT)
Power Output	48V DC PoH (Power over HDBaseT)
Power over Ethernet (PoE) Compatibility	802.3af Alternative A
ESD Protection	15kV air, 8kV contact
Regulatory	FCC, CE, RoHS
<b>Other</b>	
Warranty	2 years
Diagnostic Indicators	HDCP, Link, and Power
Included Accessories	Installation Guide, power puppy, 3-pin removable screw terminal, mounting brackets with screws

# intelix

Intelix is a brand of Liberty AV Solutions.



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