HDBaseT Extenders

ELAN®

ORDER NO. EL-4KHDBT-RXTX-70-E-ARC-IRS, EL-4KHDBT-RXT-40-IR, EL-4KHDBT-RXTX-40-IRS

ELAN HDBaseT Extenders extend HDMI signals throughout the home, enabling homeowners to watch video in remotely located rooms within the house.

EL-4KHDBT-RX-40-IRS

EL-4KHDBT-RX-70-E-ARC-IRS

EL-4KHDBT-RX-40-IR

EL-4KHDBT-TX-40-IRS

EL-4KHDBT-TX-70-E-ARC-IRS

EL-4KHDBT-TX-40-IR

The ELAN HDBaseT Extender family delivers a full range of features, including 5PLAY technology.
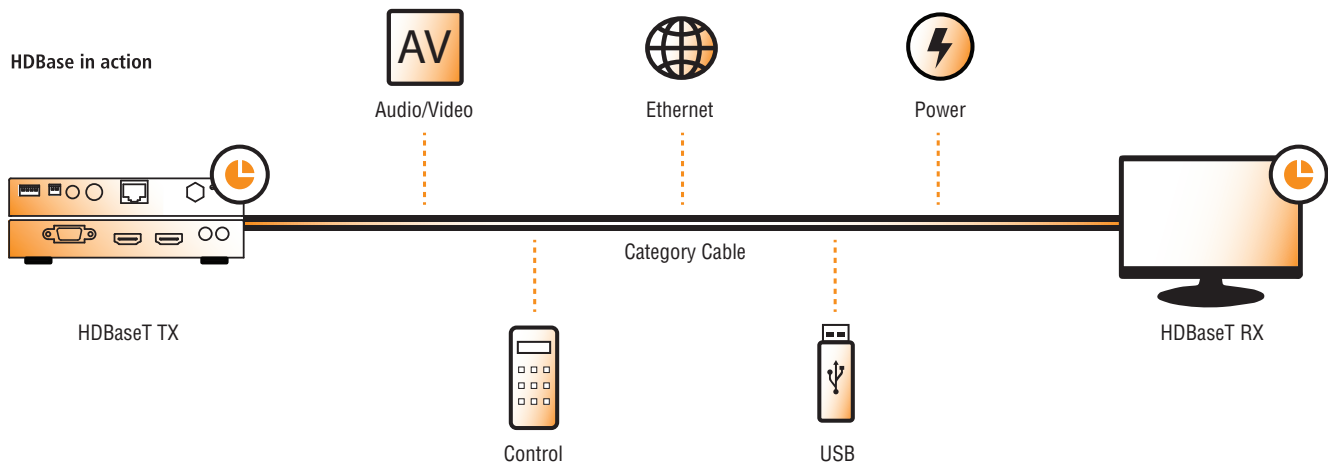
HDBaseT technology enables extending high-definition content beyond the limits of standard HDMI cables, offering greater flexibility to keep your entertainment rooms free from the clutter of electronic devices. HDBaseT incorporates 5Play technology to send Video, Audio, Control (2-way IR and Serial), Ethernet, and Power over HDBaseT (PoH) down a single Category cable. HDBaseT feeds monitors 4K or 1080P images, and feeds all of the high definition audio formats to the audio system. HDBaseT allows connecting source devices to send control signals, as well as Ethernet, to remote areas. 5Play technology enables control of remotely located monitors and source devices, and provides internet to smart TV's, streaming sources, and gaming devices. With 2-way IR and RS-232 pass-through, the ELAN HDBaseT series of extenders delivers the benefits offered by HDBaseT while providing seamless control integration of devices located throughout the project.

The ELAN HDBaseT Extender Kits include an HDBaseT transmitter and an HDBaseT receiver. With two different kit options available, extending video, audio, control, and Ethernet all while sending power to the receiver is easy. One Category cable does it all, eliminating the guess work and expense of multiple cables.

The ELAN HDBaseT receivers are available separately, allowing integrators to take full advantage of the built-in HDBaseT transmitters from the new ELAN Platinum and Video Matrix Series products.

HDBase in action

AV — Audio/Video

Ethernet

Power

HDBaseT TX

Category Cable

HDBaseT RX

Control

USB

HDBaseT Extenders

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HDBaseT TRANSMITTERS* COMMON FEATURES:

- Advanced HDBaseT technology offering uncompressed video and audio with zero latency

- HDMI 2.0 inputs

- HDCP 2.2 Compliant

- Extends 4K UHD Video (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)

- Extends 1080P Video

- Supports industry standard video resolutions

- Dolby TrueHD®, Dolby Atmos®, Dolby Digital Plus® and DTS-HD Master Audio® pass-thru

- HDMI Loop Output for integrating local display or cascading to multiple devices

- Bi-directional IR

- Bi-directional RS232 pass-through

- Supports PoH (Power over HDBaseT) for powering HDBaseT receivers

*HDBaseT transmitters available in kits only
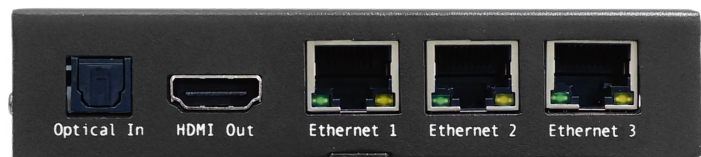
EL-4KHDBT-TX-70-E-ARC-IRS

EL-4KHDBT-TX-40-IRS

HDBaseT RECEIVERS* COMMON FEATURES:

- Advanced HDBaseT technology offering uncompressed video

- Audio with zero latency

- HDMI 2.0 inputs

- HDCP 2.2 Compliant

- Extends 4K UHD Video (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)

- Extends 1080P Video

- Supports industry standard video resolutions

- Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio pass-thru

*HDBaseT receivers included in kits and sold separately

EL-4KHDBT-RX-70-E-ARC-IRS

EL-4KHDBT-RX-40-IR

EL-4KHDBT-RX-40-IRS

HDBaseT Extenders

EL-4KHDBT-TX-70-E-ARC-IRS

FEATURES

- Extends 4K UHD Video up to 70m
- (3840 x 2160 @30Hz 4:4:4,
- 4096 x 2160 @24Hz 4:4:4,
  and 4K @60Hz 4:2:0)
- Extends 1080P Video up to 100m
- Bi-Directional RS-232 pass-through
- 10/100 Ethernet pass-through (LAN Serving)
- Audio Return Channel (ARC) over HDBaseT
  from display via HDMI or Optical Digital Input
- Support audio return to HDMI, Optical Digital,
  and analogue L/R audio outputs (2CH PCM Only)

SPECIFICATIONS	
Video Input Connectors	1x HDMI Type A, female
Video Output Connectors	1x HDBaseT RJ45 connector, 1x HDMI Type A, female
Audio Input Connectors	2x RCA (L/R), 1x Optical (SPDIF)
Ethernet port	1x RJ45 connector
RS-232 serial port	1x DB-9 female
IR Input ports	1 x 5v 3.5mm stereo jack
IR Output ports	1 x 5v 3.5mm mono jack
Rack-Mountable	2x mounting bracket

EL-4KHDBT-TX-70-E-ARC-IRS

EL-4KHDBT-TX-40-IRS

FEATURES

- Extends 4K UHD Video up to 40m
- (3840 x 2160 @30Hz 4:4:4,
  4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)
- Extends 1080P Video up to 70m
- Bi-Directional RS-232 pass-through

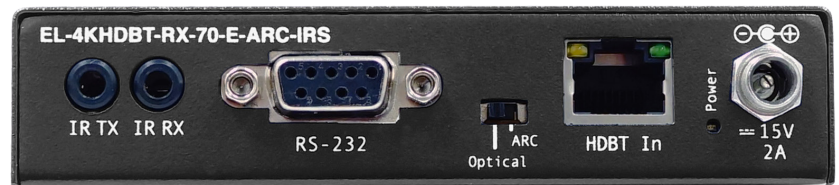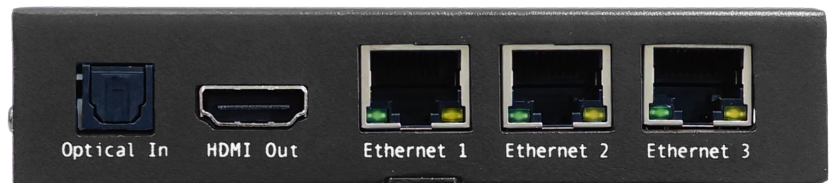| SPECIFICATIONS	
Video Input Connectors	1x HDMI Type A, female
Video Output Connectors	1x HDBaseT RJ45 connector, 1x HDMI Type A, female
RS-232 serial port	1x DB-9 female
IR Input ports	1 x 5v 3.5mm stereo jack
IR Output ports	1 x 5v 3.5mm mono jack

EL-4KHDBT-TX-40-IRS

HDBaseT Extenders

EL-4KHDBT-RX-70-E-ARC-IRS

FEATURES

- Extends 4K UHD Video up to 70m (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)

- Extends 1080P Video up to 100m

- HDMI Loop Output for integrating local display or cascading to multiple devices

- Bi-Directional RS-232 pass-through

- Bi-directional IR pass-through

- Audio Return Channel (ARC) over HDBaseT from display via HDMI or Optical Digital Input

- Integrated 10/100 3-Port Ethernet switch (LAN Serving) when used as part of an ELAN EL-4KHDBT-KIT-70-E-ARC-IRS or ELAN Platinum Matrix products

- Supports PoH (Power over HDBaseT) to receive power from HDBaseT transmitters

SPECIFICATIONS	
Video Input Connectors	1x HDBaseT RJ45 connector
Video Output Connectors	1x HDMI Type A, female
Audio Input Connectors	1x Toslink
Ethernet port	3x RJ-45 connector
RS-232 serial port	1x DB-9 female
IR Input ports	1 x 5v 3.5mm stereo jack
IR Output ports	1 x 5v 3.5mm mono jack

EL-4KHDBT-RX-70-E-ARC-IRS

EL-4KHDBT-RX-40-IRS

FEATURES

- Extends 4K UHD Video up to 40m (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)

- Extends 1080P Video up to 70m

- HDMI Loop Output for integrating local display or cascading to multiple devices

- Bi-Directional RS-232 pass-through

- Bi-directional IR pass-through

- Supports PoH (Power over HDBaseT) to receive power from HDBaseT transmitters

SPECIFICATIONS	
Video Input Connectors	1x HDBaseT RJ45 connector
Video Output Connectors	1x HDMI Type A, female
RS-232 serial port	1x DB-9 female
IR Input ports	1 x 5v 3.5mm stereo jack
IR Output ports	1 x 5v 3.5mm mono jack

EL-4KHDBT-RX-40-IRS

HDBaseT Extenders

EL-4KHDBT-RX-40-IR

FEATURES

- Extends 4K UHD Video up to 40m (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)
- Extends 1080P Video up to 70m
- Bi-directional IR pass-through
- Supports PoH (Power over HDBaseT) to receive power from HDBaseT transmitters

SPECIFICATIONS	
Video Input Connectors	1x HDBaseT RJ45 connector
Video Output Connectors	1x HDMI Type A, 19-pin, female
IR Input ports	1x5v 3.5mm stereo jack
IR Output ports	1x5v 3.5mm mono jack
Power Supply	12V/2A DC, screw type connector
Power Consumption	9.5W
Casing Dimensions (W x D x H)	2.95" x 4.1" x 1.07" (75mm x 104mm x 27mm)
Dimensions (W x D x H)	2.95" x 4.25" x 1.07" (75mm x 108mm x 27mm) with connections
Shipping Weight	.88 Lbs (0.4kg)
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Mounting kit included	

EL-4KHDBT-RX-40-IR

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