LEVITON®
Network Solutions

HDMI® Extender Transmitter & Receiver
Extends transmission up to 70 meters, includes HDBaseT™ technology with bi-directional PoH

APPLICATION

Extend HDMI signals up to 70 meters (230 feet) over a single category-rated cable for applications in classrooms, conference rooms, control centers, and public venues where reliable high-definition video is needed. The certified HDBaseT technology supports a complete professional plug-and-play installation that includes HD video, bi-directional power, bi-directional IR, multi-channel audio, and RS-232 control.

Transmitter — front

Transmitter — back

Receiver — front

Receiver — back

SPECIFICATION

70m HDMI extender shall be HDBaseT certified and deliver uncompressed HD video, 3D, and 2K x 4K over a single category cable with multi-channel audio supporting all standard audio formats including Dolby Digital, DTS, Dolby TrueHD, and DTS HD-Master Audio. Resolution capability shall be 1080p 36 bit deep color at 60Hz with VESA resolutions up to 1920 x 1200 at 60Hz up to 70 meters (230 feet) and 4K ultra-high definition up to 2160p 24 bit true color at 30Hz with 4K chroma subsampling color palette 4:2:2 up to 40 meters (131 feet). Shall be compatible with and support key features of HDMI 1.4 including EPG, CEC, EDID, and HDCP. Extenders shall include bi-directional PoH (power over HDBT), IR, RS-232, and locking feature for power input connections. Extender transmitter and receiver shall have a metal enclosure and include mounting brackets. Extender set shall also include RS-232 interface cables (2) and DC power adapter with a set of interchangeable international input plugs.

STANDARDS & REGULATIONS

- HDBaseT Alliance, FCC, CE
- UL 2043 compliant for plenum spaces

FEATURES & BENEFITS

- HDBaseT Alliance certified
- Delivers full uncompressed HD video, 3D, and 2K x 4K over a single category cable with multi-channel audio supporting all standard formats, including Dolby Digital, DTS, Dolby TrueHD, and DTS HD-Master Audio
- Resolution capability:
    - 1080p 36 bit deep color at 60Hz and VESA resolutions up to 1920 x 1200 at 60Hz up to 70 meters (230 feet)
    - 4K ultra high definition up to 2160p 24 bit true color at 30Hz with 4K chroma subsampling color palette 4:2:2 up to 40 meters (131 feet)
- Compatible with and supports key features of HDMI 1.4 including EPG, CEC, EDID, and HDCP
- Bi-directional PoH (power over HDBaseT) allows use of a single power supply located at either the source or display
- Compact transmitter and receiver modules
- Locking feature for power input connectors
- Receiver (41910-HTR) available separately for use with other HDBaseT certified transmitters
- Tested to UL 2043 as suitable for use in air-handling spaces per NEC 300-22(b)(c)

DESIGN CONSIDERATIONS

- Leviton recommends SST Cat 6A cable system with best-in-class alien crosstalk prevention performance
- Compatible with displays that support and can be set to HDMI 1.4. Not natively compatible with displays that only function at HDMI 2.0 and above. It is incumbent upon Installers, Consultants, and Specifiers to choose and test compatible equipment prior to deployment. Leviton recommends bench-testing AV system solutions prior to deployment.

MECHANICAL SPECIFICATIONS

Dimensions:	106 mm W x 28 mm H x 97 mm D
	4.17" W x 1.10" H x 3.82" D
Materials:	Ventilated metal enclosures
Power input:	100-240VAC 50/60Hz
Power output:	24VDC 1.25A
Temperature:	0 °C to +50 °C (+32 °F to +122 °F)

COUNTRY OF ORIGIN
China

HDBT™
BASE

WARRANTY INFORMATION
For Leviton product warranties, go to Leviton.com/ns/warranty

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41910-HT0, 41910-HTR

41910-HT0 - Transmitter

41910-HT0 - Receiver

Power required at only one device

IR Target

IR Emitter

DVD

System Controller

Projector

IR Remote

Common application with HDMI® Extender with HDBaseT™

――――	Twisted Pair Cable
――――	HDMI Cable
――――	IR Cable
――――	RS232 Cable

28mm
1.10"

97 mm
3.82"

Transmitter and Receiver dimensions
(Transmitter shown)

PoH

Tx ⇅ Rx

HDBT OUT   HDMI IN   IR IN   IR OUT   RS232   DC24V

Rear

ON   LINK   IN   ☼

106 mm
4.17"

Front

PART NUMBER	
Description	**Part No.**
HDMI® Extender with HDBaseT™, Transmitter and Receiver, 70 meters	41910-HT0
HDMI Extender with HDBaseT, Receiver only, 70 meters	41910-HTR

For further support information, visit Leviton.com/ns/support

HDMI® is a registered trademark of HDMI Licensing, LLC.

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