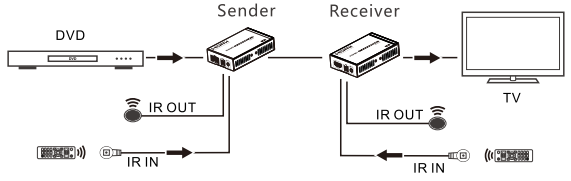
6.2 Connections



6.3 Bi-directional IR pass back

1) It supports bi-directional IR pass back. User can control DVD at TX end and control TV at RX end.
2) If control at RX end, please connect IR blaster extension cable with IR OUT of TX and connect IR receiver extension cable with IR IN of RX. If control at TX end, please connect IR receiver extension cable with IR IN of TX and connect IR blaster extension cable with IR OUT of RX.

7. FAQ

Q : No image output?
A : Check the led indicator status to make sure all connections are good and stable.

Q : Signal led " 3" is flashing but no image output?
A : Check if the HDMI display device has been switched to the right HDMI input channel.

Q : Signal led "2" is flashing but "3" light is off?
A : Check whether the TX's HDMI IN has signal input and make sure RX's HDMI OUT is well connected with HDMI display.

Q : Output image has flashing points or disturbance points?
A : Change TX's HDMI signal input cable or use shorter HDMI cable.

8. Specification

Items	Specifications		
HDMI signal	Compatible with HDCP,support CEC and 24bits deep color		
Resolution Supported	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i @50/60Hz, 1080p@50/60Hz,3D,4KX2K@24/25/30Hz		
Audio	LPCM ,DTS-HD, Dolby True HD		
Network cable	CAT5E、CAT6、CAT6A、CAT7		
Transmission length	CAT5E/CAT6	100m	UP to 1080P@60Hz 36bpp
		70m	1080p@60Hz 48bpp, 1080p@60Hz 3D, 4K×2K@30Hz
Infrared back	Support 20~60kHz wide frequency devices and Bi-directional IR transmission		
Power supply	DC12V/1A *2pcs		
Power consumption	<10W		
Product dimension	98.5(L)x66.5(W)x23(H)mm *2pcs		
Enclosure material	Metal		
Weight	TX:79g RX:107g		
Color	Black		

Disclaimer

The product name and brand name may be registered trademark of related manufactures. ™ and ® may be omitted on the user manual.
The pictures in this user manual are just for reference. The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.

NEXIS

HDMI HDBaseT Extender over single Cat5e/6/7-100m

User manual

LE-H100AT



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Thank you for purchasing this product. For optimum performance and safety, please read the instructions carefully and keep the manual for future reference.

• Important safety notice

Please read below safety instructions carefully before installation and operation:

* Please pay attention to all the warnings and hints on this device.
* Do not expose this unit to rain, moisture and liquid.
* Do not put any stuff into the device.
* Do not repair or open this device without professional people's guidance.
* Make sure good ventilation openings to avoid product overheating damage.
* Shut off power and make sure environment is safe before installation.
* Do not plug-in/out the connected cables when it is in using.
* Make sure the specification matched if using 3rd party DC adapters.

1. Introduction

This HDBaseT single network cable extender transmits HDMI signal up to 100 meters over Cat6 fluently and clearly. It is lossless in signal and supports 3D, 24bits deep color, CEC and HDCP. Supports UHD 4K×2K@30Hz.

2. Features

1. Apply HDBaseT extend technology
2. Uncompressed HDMI video signal
3. Support ultra HD 4kx2k@30Hz
4. Extend 1080p signal over cat6 up to 100 meters
5. Support bi-directional IR pass back
6. Support HDCP ,CEC, 24 deep color, 3D
7. Support uncompressed LPCM audio and compressed DTS-HD, Dolby True HD

3. Package contents



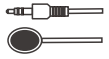
HDMI to HDBaseT TX sender*1pc



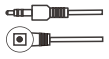
HDBaseT to HDMI RX receiver*1pc



DC12V/1A *2pcs



IR blaster extension cable*1pc



IR receiver extension cable*1pc



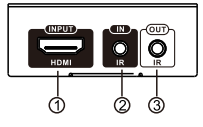
User manual*1pc

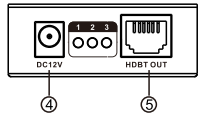
4. Installation Requirements

1. HDMI source devices :
   with HDMI OUTPUT interface, DVD, PS3, STB, PC etc.
2. Display devices :
   With HDMI INPUT port, SDTV, HDTV, projector
3. Network cables :
   UTP/STP Cat5e/Cat6/Cat6A/Cat7 network cables, which following the standard of IEEE-568B.

5. Panel description

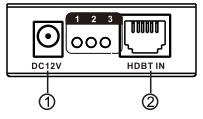
5.1 HDMI to HDBaseT TX Sender

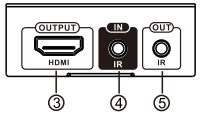




① HDMI IN:HDMI signal input to connect with HDMI source device.
② IR IN:IR signal input to connect with IR receiver extension cable.
③ IR OUT:IR signal output to connect with IR blaster extension cable.
④ DC12V:Power input
⑤ HDBT OUT:HDBaseT signal output

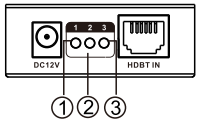
5.2 HDBaseT to HDMI RX Receiver





① DC12V:Power input
② HDBT IN:HDBaseT signal input
③ HDMI OUT:HDMI signal output to connect with HDMI display device.
④ IR IN:IR signal input to connect with IR receiver extension cable.
⑤ IR OUT:IR signal output to connect with IR blaster extension cable.

5.3 LED indicators working status



① It is lighting on with power on.
② It is lighting on when TX and RX are well connected.
③ It is lighting on when RX's HDMI OUT connects with HDMI display device and has HDMI signal output.

6. Installation procedures

6.1 To make a Cat5e/6 network cable



Follow the standard of IEEE-568B

1	white and orange	4	blue	7	white and brown
2	orange	5	white and blue	8	brown
3	white and green	6	green		