

HE1LBIR232-P-150M

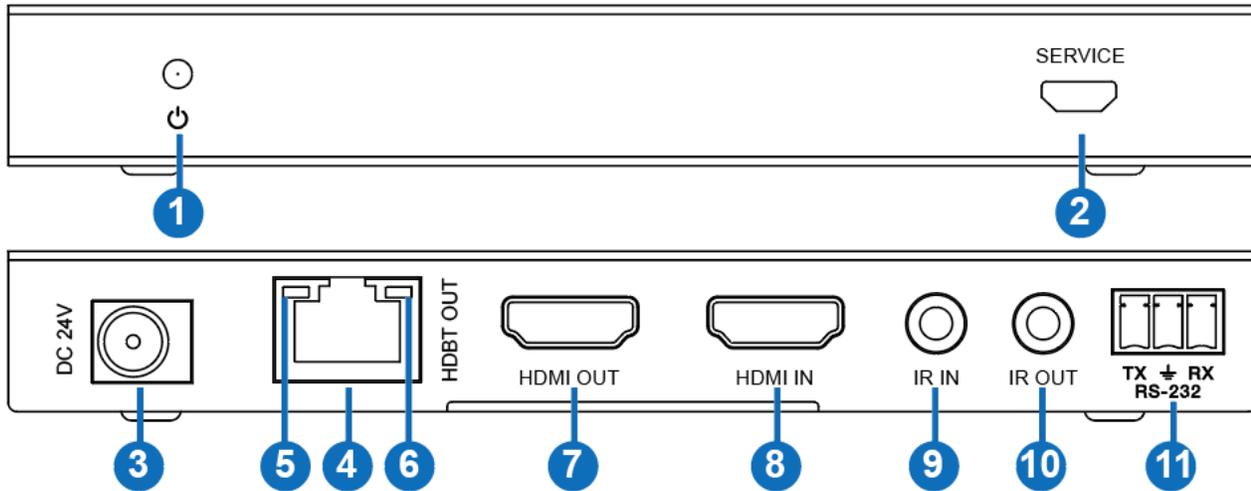
HDBaseT 18Gbps HDMI Extender with Bi-Directional IR, PoC, Audio Extractor up to 492'

Extend high-resolution HDMI up to 150 meters (492') with this HDMI over single cat5e/cat6 extender. This extender uses HDBaseT technology to extend uncompressed high-definition video up to 4Kx2K@60Hz UHD HDR 4:4:4. This extender also supports PoC. Power over cable and can be powered from either transmitter or receiver side.

Features:

- > HDMI 2.0b, HDCP2.2/HDCP 1.4 compliant
- > HDMI resolutions up to 4Kx2K@50/60Hz 4:4:4, 18Gbps
- > Extends distance up to 394' (120m) at 4K2K
- > Extends distance up to 492' (150m) at 1080p
- > HDMI loop out, Audio extract, RS232, Bi-IR
- > HDR, HDR+, Dolby Vision, HLG
- > Supports PoC (Power over Cable)

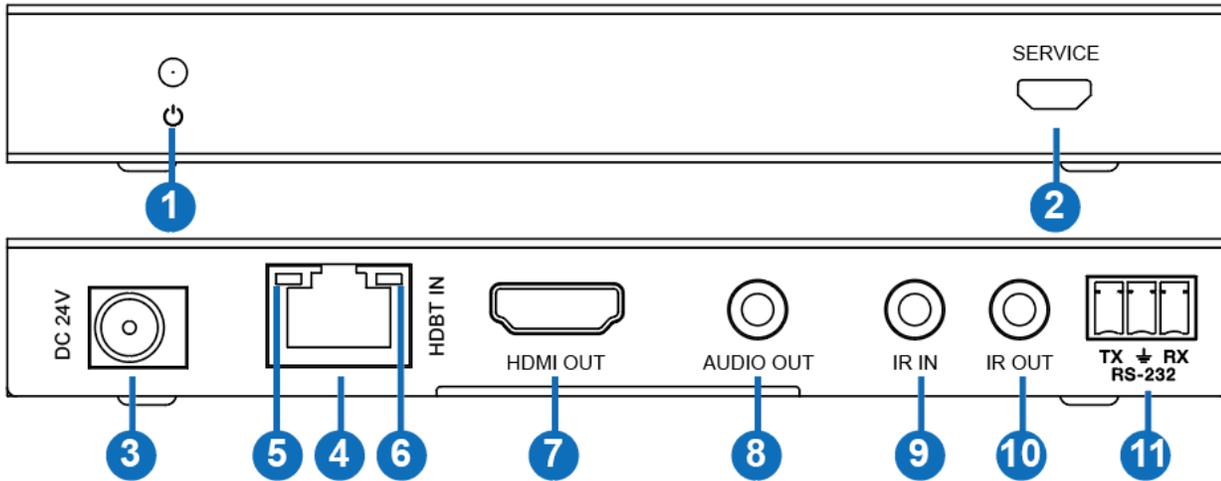
Transmitter Panel:



Number	Name	Function description
1	POWER LED	Red LED indicates when the transmitter is powered.
2	SERVICE Port	Firmware update port.
3	DC 24V	DC 24V input for 24V 1A power adapter. <i>Note that the extender supports PoC function, it means that either transmitter or receiver is powered by 24V/1A power adapter.</i>
4	HDBT OUT	RJ45 connector for connecting the HDBT IN port of receiver with CAT 5e/6 cable.
5	CONNECTION SIGNAL Indicator Lamp (on left side of the HDBT out port)	- Illuminate: Transmitter and Receiver are in good connection status. - Flashing: Transmitter and Receiver are in poor connection status. - Dark: Transmitter and Receiver are not connected.
6	DATA SIGNAL Indicator Lamp (on right side of the HDBT out port)	- Illuminate: HDMI signal with HDCP. - Flashing: HDMI signal without HDCP. - Dark: No HDMI signal.

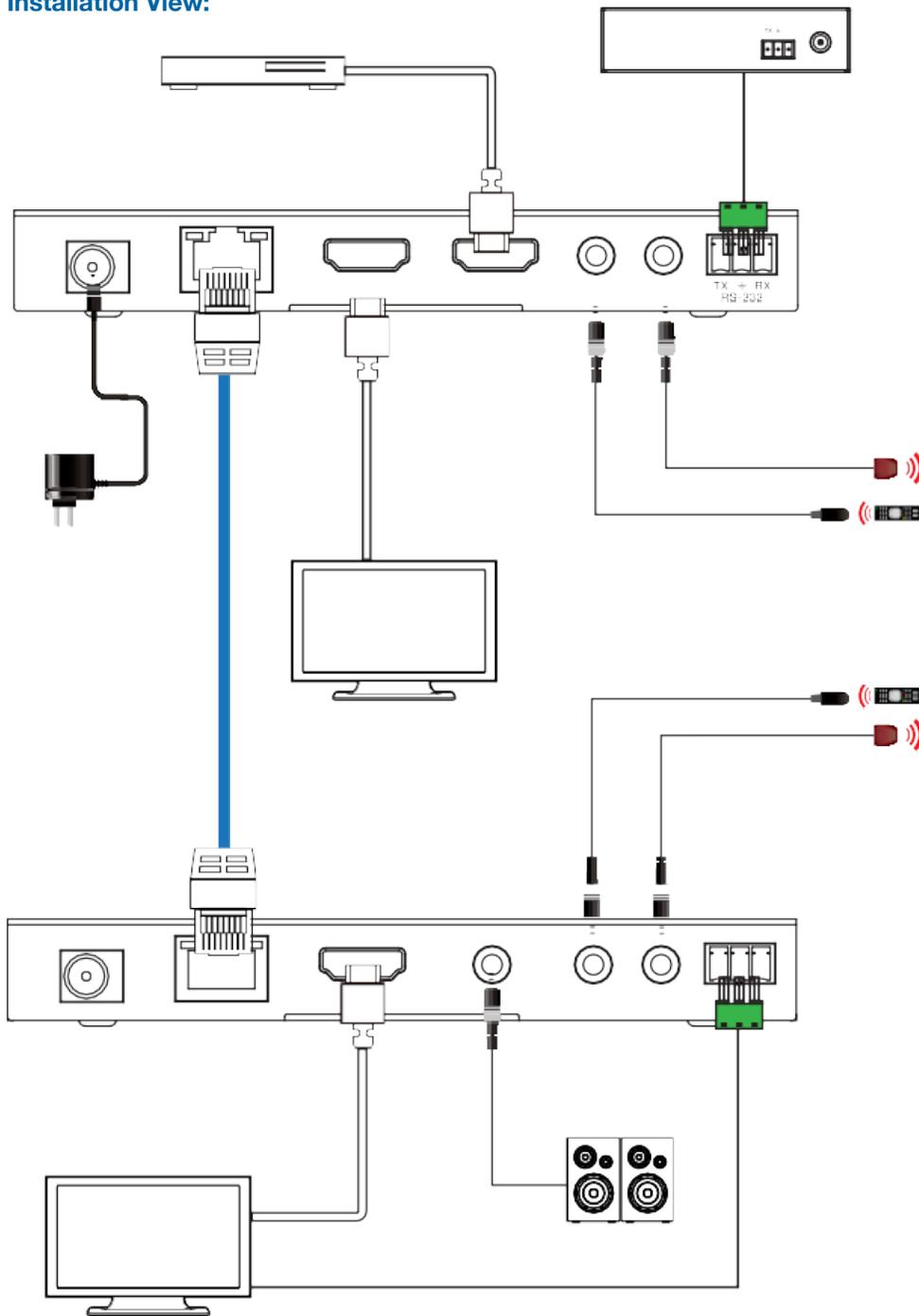
7	HDMI OUT	HDMI loop output for display.
8	HDMI IN	HDMI source input.
9	IR IN	IR port input for receiving the signal of IR remote.
10	IR OUT	IR port output for control of source device. This IR output signal is from IR IN port of receiver.
11	RS-232	3-pin pluggable connector for RS-232 command transmission. The RS-232 command will pass-through from transmitter to receiver or receiver to transmitter.

Receiver Panel:



Number	Name	Function description
1	POWER LED	Red LED indicates when the receiver is powered.
2	SERVICE PORT	Firmware update port.
3	DC 24V	DC 24V input for 24V 1A power adapter. <i>Note that the extender supports PoC function, it means that either transmitter or receiver is powered by 24V/1A power adapter.</i>
4	HDBT OUT	RJ45 connector for connecting the HDBT OUT port of transmitter with CAT 5e/6 cable.
5	CONNECTION SIGNAL Indicator Lamp (on left side of the HDBT out port)	<ul style="list-style-type: none"> - Illuminate: Transmitter and Receiver are in good connection status. - Flashing: Transmitter and Receiver are in poor connection status. - Dark: Transmitter and Receiver are not connected.
6	DATA SIGNAL Indicator Lamp (on right side of the HDBT out port)	<ul style="list-style-type: none"> - Illuminate: HDMI signal with HDCP. - Flashing: HDMI signal without HDCP. - Dark: No HDMI signal.
7	HDMI OUT	HDMI output for display.
8	AUDIO OUT	3.5mm stereo connector for analog audio output.
9	IR IN	IR port input for receiving the signal of IR remote.
10	IR OUT	IR port output for control of display device. This IR output signal is from IR IN port of transmitter.
11	RS-232	3-pin pluggable connector for RS-232 command transmission. The RS-232 command will pass-through from transmitter to receiver or receiver to transmitter.

Installation View:



NOTE: Surge Protection Recommended

This HDMI extender contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Using a surge protection system is highly recommended in order to protect and extend the life of your equipment.

Package Includes:

- Extender TX x 1 piece
- Extender RX x 1 piece
- IR Blaster x 1 piece
- IR Receiver x 1 piece
- Mounting ears x 4 pieces
- 3-pin Phoenix connectors x 2 pieces
- Power adapter 24V/1A x 1 piece
- Instructions

Specification:

Model:	HE1LBIR232-P-150M
Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	4K2K 50/60Hz 4:4:4, 4K2K 50/60Hz 4:2:2, 4K2K 50/60Hz 4:2:0, 4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i, All HDMI 3D TV format, All PC resolutions including 1920 x 1200
Color Depth	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr, 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4)
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
L/R Audio Formats	PCM 2.0
Optical Audio Formats	N/A
ESD Protection	±8kV (Air-gap discharge) , ±4kV (Contact discharge)
Connections	
Transmitter	Inputs: 1x HDMI Type A [19-pin female] 1x SERVICE [Mini-USB, Update port] Outputs: 1x HDMI Type A [19-pin female] 1x HDBT OUT [RJ45, 8-pin female] Control: 1x IR IN [3.5mm Stereo Mini jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Phoenix jack]
Receiver	Inputs: 1x HDBT IN [RJ45, 8-pin female] 1x SERVICE [Mini-USB, Update port] Outputs: 1x HDMI Type A [19-pin female] 1x AUDIO OUT [3.5mm Stereo Mini-jack] Control: 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Phoenix jack]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	5.51”w x 2.56” d x 0.71” h
Weight lbs.	Transmitter: .53 Receiver: .54
Power Supply	Input: AC100~240V 50/60Hz, Output: DC24V/1A (Locking connector) (US/EU standards, CE/FCC/UL certified)
Power Consumption	9.36W (max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)



Do you Need Technical Support?

ZUUM is proud to offer free technical support to ensure your product is operating correctly. If you are experiencing difficulties setting up this product, please call us for assistance 1-888-861-7351 or visit www.zuum.life