



## 4K HDMI Extender Set, HDBaseT



### Manual

DS-55501

The Digitus 4K Extender Set, HDBaseT offers an extender solution up to 100 m for the highest demands - for both high definition graphic display and also for absolutely fluent video playback. It is used to transmit digital and audio signals to a maximum distance of up to 100 m. 4K content can be transmitted to up to 70 m using a CAT 5e/6/6a/7 network cable. It consists of a transmitter as well as a receiver unit. Thanks to PoC support, only the transmitter has to be supplied with power by means of the supplied power supply unit. The package also includes two bidirectional infrared units (sender, receiver), which can be used for the remote control of the connected input source.

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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.

## **Features**

- 1 Apply HDBaseT extend technology
- 2 Uncompressed HDMI video signal
- 3 Support full HD 1080P@60Hz, 3d, 4kx2k@60Hz
- 4 Extend 1080p signal over cat6a up to 100 meters
- 5 Support bi-directional IR pass back
- 6 support HDCP, CEC, 24 deep color
- 7 Support uncompressed LPCM audio and compressed DTS-HD, Dolby True HD
- 8 Can be powered by network cable. It only needs to input 12V power for either transmitter or receiver for normal working.

## Specification

Items	Specifications		
<b>HDMI signal</b>	4Kx2K, compatible with HDCP, support CEC and 24bits deep color		
<b>Resolution Supported</b>	480i/480P/576i/576P/720P/1080i/1080P/3D/4Kx2K		
<b>Audio</b>	LPCM, DTS Digital, Dolby Digital		
<b>Network cable</b>	CAT5E, CAT6, CAT6A, CAT7		
<b>Transmission length</b>	CAT5E/CAT6	100m	UP to 1080P@60Hz 36bpp
		70m	1080p@60Hz 48bpp
	CAT6A/CAT7	100m	1080p@60Hz 3D, 4Kx2K 30Hz/60Hz
<b>Infrared back</b>	Support 20~60kHz wide frequency devices and Bi-directional IR transmission		
<b>Power supply</b>	DC12V/2A *1pcs		
<b>Power consumption</b>	8W		
<b>Product dimension</b>	98.5(L)x66.5(W)x23(H)mm *2pcs		
<b>Enclosure material</b>	Metal		
<b>Weight</b>	TX: 79g		RX: 107g
<b>Color</b>	black		

## Package contents



HDMI to HDBaseT TX sender\*1pcs



HDMI to HDBaseT TX sender\*1pcs



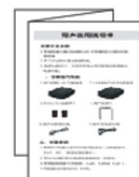
DC12V/2A \*1pcs



IR blaster extension cable\*1pcs



IR receiver extension cable\*1pcs



User manual\*1pcs

## Installation Requirements

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

## Panel description

### 1. HDMI to HDBaseT TX Sender



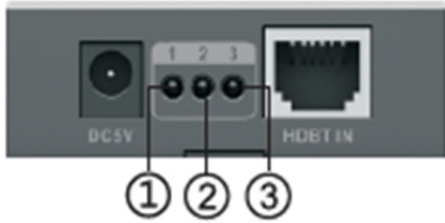
1. **HDMI IN:** HDMI signal input to connect with HDMI source device
2. **IR IN:** IR signal input to connect with IR receiver extension cable
3. **IR OUT:** IR signal output to connect with IR blaster extension cable
4. **DC12V:** Power input
5. **HDBT OUT:** HDBaseT signal output

### 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

### 3. LED indicators working status



It is lighting on with power on

- 1) When the sender connect the receiver working normal, the No2 lamp flashing status, and when input signal transmission normal the lighting keeps on.
- 2) It is lighting on when RX and display are well connected.

## Installation procedures

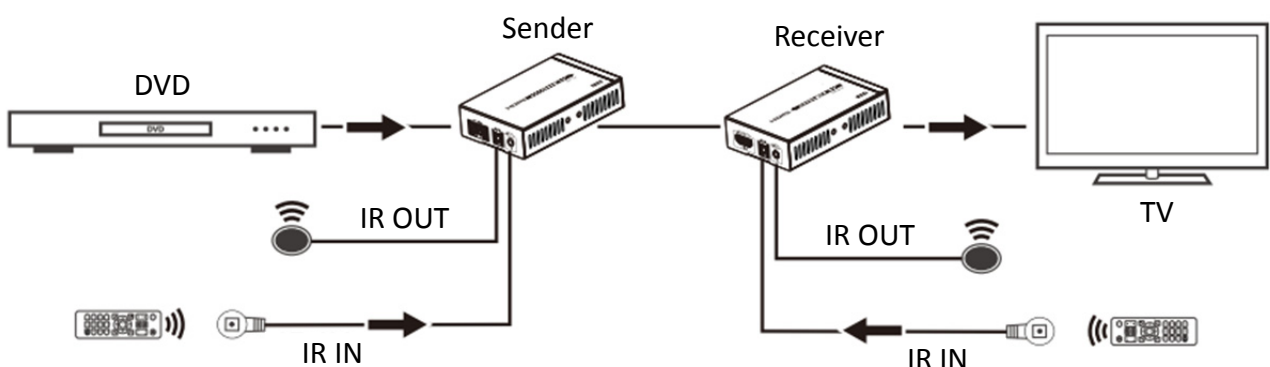
### 1. To make a Cat5e/6 network cable

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		

### 2. Connections



**[NOTE]:** It is recommended to power from the receiver unit.

### 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.

### FAQ

**Q1: No image output?**

**A1:** Check the led indicator status to make sure all connections are good and stable.

**Q2: Signal led "3" is flashing but no image output?**

**A2:** Check if the HDMI display device has been switched to the right HDMI input channel.

**Q3: Signal led "2" is flashing but "3" light is off?**

**A3:** Check whether the TX's HDMI IN has a signal input and make sure RX's HDMI OUT is well connected with HDMI display.

**Q4: Output image has flashing points or disturbance points?**

**A4:** Change TX's HDMI signal input cable or use shorter HDMI cable.

### Disclaimer

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