

## Security considerations:

Please read all of the instructions, and then attempt to install or operate the equipment, and to comply with the following notes:

- \* Please follow all warnings and instructions marked on this product
- \* Do not allow this machine to be caught in the rain or splash or soak into any liquid.
- \* Do not put any objects into the housing slots in the machine in order to avoid damage to the internal parts of the machine
- \* Do not attempt to repair or open the machine housing, so as to avoid electric shock.
- \* The equipment housing may be equipped with heat dissipation and ventilation slots to prevent overheating, do not block the cooling vents.
- \* Please turn off the power before installation, electric installation may damage the device.
- \* In the course of work, do not charge plug and connecting cables to avoid damage.
- \* This product is clearly marked power on the parameter, in the use of our standard power supply please make sure that the power supply parameters, so as not to burn out the device.

## 1<sup>st</sup>、Overview

The device is HDMI Single Extender by net cable which use HDBaset technology to extend, through a Cat6 cable extends HDMI signals than 100 metres. No compression and signal transmission rate fast, smooth and clear picture quality, support for 3D, 24-bit color, 4Kx2K, CEC and HDCP.

## 2<sup>nd</sup>、Features

- 1) Using HDBaset technology
- 2) Supports HDMI uncompressed video
- 3) Support full HD 1080p@60Hz, 3D, 4Kx2K
- 4) 1080p full HD signal through Cat6a cable can be extended 100 meters
- 5) Support bi-directional infrared signal return and RS232 extend
- 6) Support HDCP, CEC and 24-bit color
- 7) Supports uncompressed audio LPCM and compressed audio DTS-HD, Dolby True HD
- 8) Support POC power supply. just supply DC 12V for the transmitter or the receiver

### 3<sup>rd</sup>、 Packing list



HDMI to HDBaseT Sender  
TX x 1pcs



HDBaseT to HDMI Receiver  
RX x 1pcs



DC12V 3A Power supply  
X 1pcs



IR blaster extension  
cable X 1pcs



IR receiver extension  
cable X 1pcs

User' s manual book  
X 1pcs

### 4<sup>th</sup>、 Installation requirements

1、 HDMI source device:

HDMI output signal sources. such as DVD、 andPS3、 STB、 PC and so on.

2, Display device:

HDMI input display devices, such as televisions, projectors.

3, Cable:

UTP/STP cat5e/6/6a/7 cable, follow standard IEEE-568B

### 5<sup>th</sup>、 Interfaces

#### 5.1 Transmitter



- ①HDMI signal input interface, connect HDMI signal source device
- ②IR signal output to connect with IR blaster extension cable
- ③DC12V 3A power input interface(only for transmitter or receiver)
- ④Power light (Green light when power supply)
- ⑤RS232 extend interface
- ⑥IR signal input to connect with IR receiver extension cable
- ⑦HDBaseT signal output interface

## 5.2 Receiver



- ①HDMI signal output interface, connect HDMI display device
- ②IR signal output to connect with IR blaster extension cable
- ③DC12V 3A power input interface(only for transmitter or receiver)
- ④RS232 extend interface
- ⑤IR signal input to connect with IR receiver extension cable
- ⑥HDBaseT signal input interface

## 6<sup>th</sup>、 installation procedures

### 6.1 Making network cable

Follow the Standard of IEEE-568B linear order:

- 1-the Orange and white, 2- Orange
- 3- green and white, 4- blue
- 5- Blue and white, 6- green
- 7- Brown and white, 8- Brown

## 6.2 Connection



## 6.3 IR introduce

1) The transmitter support IR infrared return, through the remote control DVD in TX, or Through remote control TV in RX.

2) If control in RX -side , put IR blaster extension cable connect TX' s IR OUT interface, put IR receiver extension cable connect RX' s IR IN interface. If control in TX side, put IR blaster extension cable connect RX' s IR OUT interface, put IR receiver extension cable connect TX' s IR IN interface.

## 6.4 RS-232 serial transmission

By RX, TX, GND, serial signal can be extended by network cable, can be defined at any side of the RS-232 signal transmitter or receiver.

## 7<sup>th</sup>、RFQ

Q: No video output?

A: Check the power supply is connected, according to the led status check network cables and HDMI cable is ok.

Q: LED status ok, but HDMI display no video output?

A: Check HDMI display whether switcher to HDMI channal that HDMI input.

Q: Power light on, RJ45 yellow light flashing, green light is off, no video?

A: Check HDMI cable in transmitter and receiver

Q: Power light on, RJ45 lamps light off?

A: Please check whether the network cable is connected or replace a better quality network cable.

Q: Output vedio with flash or white noise?

A: Please replace the HDMI cable between the transmitter and the signal source, or test it with a short HDMI cable.

## 8<sup>th</sup>、 Specification

Project	Parameter description		
HDMI signal	HDMI1.4, HDCP2.2, support for the CEC, 24-bit color depth, 4Kx2K		
Transfer Protocol	HDBaseT		
Supported resolution	480i/480P/576i/576P/720P/1080i/1080P/3D/4Kx2K		
Audio	LPCM,DTS-HD,Dolby True HD		
Network cable	CAT5E、 CAT6、 CAT6A、 CAT7		
Transmission distance	CAT5e/CAT6	100m	Up to 1080P60Hz 36bpp
	CAT6a/CAT7	70m	1080p@60Hz 48bpp,1080p60Hz 3D,4Kx2K 30Hz
Infrared return	Support 20-60kHz broadband infrared remote control, support bi-directional infrared transmission		
RS-232 Transmission	Supports serial RS-232 bi-directional transmission		
Power supply	DC12V/ 3 A *1pcs		
Power consumption	No more than 8w		
Product size	101 (L)×79 .5(W)×2 6 (H)mm *2pcs		
Body material	Metal		
Net weight	TX: 250 g RX: 250 g		
Color	Titanium Crystal grey		

### Proclamation

\*All products and brand names May be trademarks or registered trademarks of the manufacturer, TM and ® Marking may be omitted in this manual. All product drawing& function-instruction is used for reference only, thefinally correct details please see in instruction and packing kinds, we resered thefinally explanatory rights

We always strive to provide the best quality products to our customers, So the product software and hardware to keep escalatin