

# HDMI Extender over One Cat5e/Cat6(TCP/IP)

## STR100-HDV

The HDMI Extender over ONE CAT 5E/6 is a tool for extending your HDMI signal over long distances to a compatible display. Instead of using expensive HDMI cables, your existing CAT 5E/6 cables/sockets can be utilized to perform advanced functions like transferring Deep Color (12 bits/color) video and digital audio, with a bandwidth up to 225MHz. The HDMI Transmitter and Receiver, over ONE CAT 5E/6 extender is your substantial HDMI extender tool. The HDMI Extender also support IR re-transmitting, so you can control the Source which is 100 meters outside using the HDMI Extender.

### Features:

- > DC5V~12V wide power supply.
- > HDMI 1.3, HDCP 1.1 and DVI1.1 compliant.
- > Support Deep Color up to 12 bits/color
- > Support IR re-transmitting.
- > Uses one CAT5E/6 cable for data/DDC transmission.
- > Equalizes and recovers incoming TMDs data before re-transmitting it in optimal quality regardless of the incoming signal quality.
- > Cable testing showed that with 1080p resolution the HDMI input source can be 20meters away.
- > When transmitting a signal in 1080p resolution the CAT6 operating distance is 100 meters.

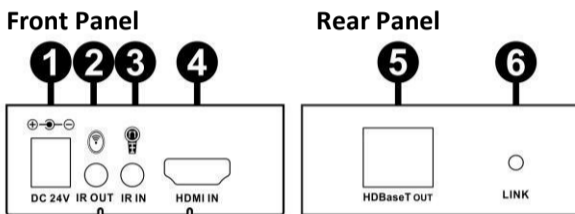


(TCP/IP)

## HDMI Extender over One Cat5e/Cat6

### Operation controls and Functions:

#### HDMI Extender Transmitter



- ① Power: Plug the 5V~12VDC power supply into the unit and connect the adaptor to AC wall outlet.
- ② RESET: Factory reset button. When the Receiver system functions have been changed, Pressing this button for 10seconds can realize factory reset.
- ③ IR OUT: Remote control signal transmit, connect the IR transmit cable with HDMI Extender Transmitter. The IR transmit cable face to the IR receiver of the Source.
- ④ HDMI: HDMI Input port.
- ⑤ CAT6 OUT: Connect the CAT 5E/6 output of the Transmitter with the CAT 5E/6 input of the HDMI over single CAT6 receiver.
- ⑥ LED indicator: When the DC power on, the indicator will be light.

### Specifications:

1pc HDMI Extender Transmitter+1pc HDMI Extender Receiver+1pc IR Transmitter+1pc IR Receiver+1pc 5V DC Power Supply adaptor

**Frequency Bandwidth:** 2.25Gbps (single link)

**HDMI Transmitter Input/Output Ports:** 1x HDMI Female port/1 x CAT6

**HDMI Receiver Input/Output Ports:** 1 x HDMI Female port/ 1 x CAT6

**Power Supply:** DC 5V~12V

**ESD Protection:** ± 8kV (air-gap discharge)

**Human Body Model:** ± 4kV (contact discharge)

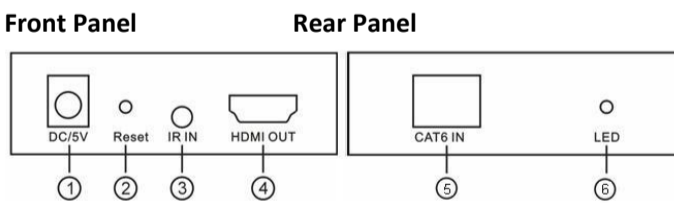
**Dimensions (mm):** 65(W) X 100 (D) X 25 (H)

**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)

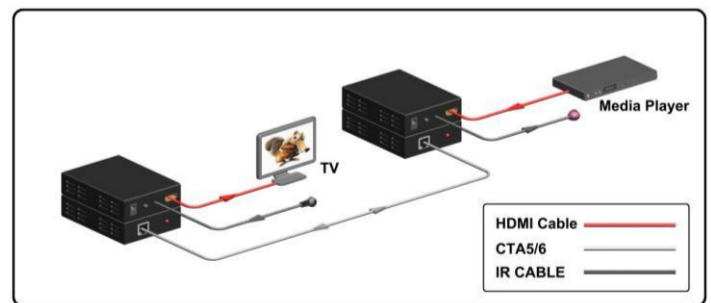
#### HDMI Extender Receiver



- ① Power: Plug the 5V~12VDC power supply into the unit and connect the adaptor to AC wall outlet.
- ② RESET: Factory reset button. When the Receiver system functions have been changed, Pressing this Button for 10seconds can realize factory reset.
- ③ IR IN: Remote control signal Receive, connect the IR receive cable with HDMI Extender Receiver.
- ④ HDMI Out: HDMI output port.
- ⑤ CAT6 IN: Connect the CAT6 in of the receiver with the CAT6 input of the HDMI over single CAT6 transmitter.
- ⑥ LED indicator: When the DC power on, the indicator will be light.

### Application Example:

\* Transmitter and Receiver one by one application.



\* Transmitter and Receiver one by N application, N can up to 253.

