

# HDMI v1.3 over ONE CAT6 HDMI Transmitter - ID# 992



**Operation Manual**

## Introduction

The HDMI 1.3 transmitter over ONE CAT 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 6 cables/sockets can be utilized to perform advanced functions like transferring Deep Color (12 bits/color) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a bandwidth up to 225MHz. The HDMI 1.3 Transmitter and receiver, over ONE CAT6 extender is your substantial HDMI extender tool.

## Applications

- Distribute HDMI signals over long distances
- Showroom display
- Hypermarket display
- Lecture room display

## Features

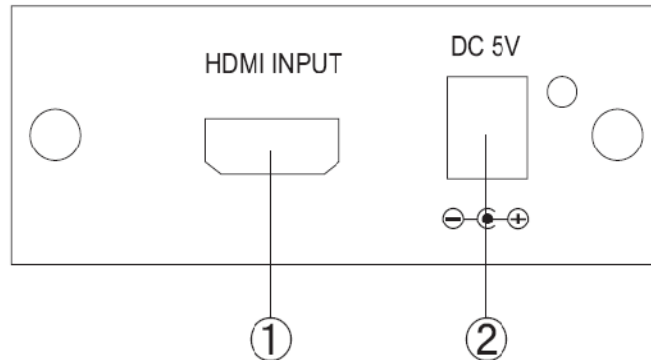
- HDMI 1.3, HDCP 1.1 and DV11.1 compliant.
- Supports digital video formats in Deep Color Mode at up to 36 bits (12bits/color) and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio .
- Uses one CAT-6 cable for data/DDC transmission.
- Equalizes and recovers incoming TMDS data before re-transmitting it in optimal quality regardless of the incoming signal quality.
- Cable testing showed that with 1080p 8bit or 12bit resolution the HDMI input source can be 20meters away.
- When transmitting a signal in 1080p 8bit resolution the CAT6 operating distance is 45 meters, and when the signal is in 12bit resolution the CAT6 operating distance is 10meters.
- Supports xvYCC

## System Requirements

Input HDMI source equipment and output HDMI over CAT6 receiver one CAT6 cable.

## Operation Controls and Functions

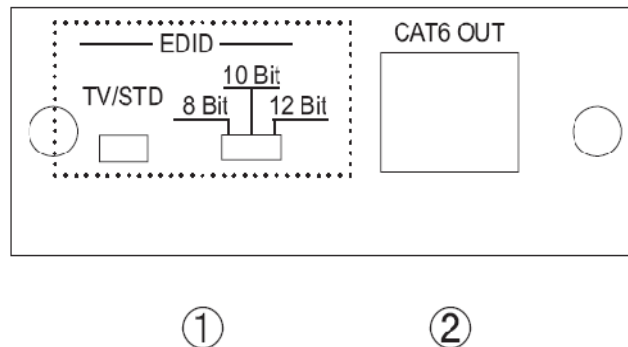
### Front Panel



① **HDMI INPUT:** This slot is where you connect the HDMI or DVI output port of your source equipment such as DVD/Blu Ray players or Set-top-boxes with an HDMI cable or link up with another receiver unit from the same family to extend a signal over long distances.

② **DC 5V:** This is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

### Rear Panel



① **EDID Control Switcher:** Switch the EDID between STD and TV. Switch to STD to use the built-in EDID or switch to TV to use the TV's EDID. The default factory setting is TV, leave as is when the display is working properly.

**Note:** 1. When EDID is switched to STD the unit will use its built-in EDID which supports:

Video → 1080p 8-bit, 10-bit or 12-bit (max)

Audio → PCM 2CH

2. The EDID selection will only be activated when the unit is re-plugged and powered on.

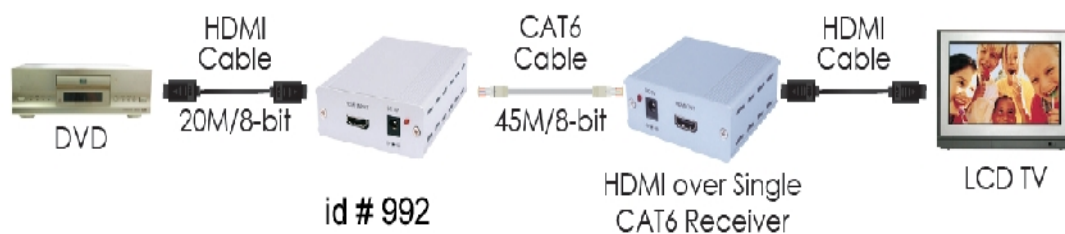
② **CAT6 OUT:** Connect the CAT6 output of the transmitter with the CAT6 input of the HDMI over single CAT6 receiver.

**Note:** A. This system was tested with CAT-6E/23AWG/UTP/568B cables, so if using cables of another type, results may vary.

B. Cable distance tested with PS3 120G & 40" Samsung LED 12 bit LCD TV.

C. The figures provided in this manual are for reference only; actual performance may depend on the source and display used along with the type cable.

## Connection



## Specifications

**Frequency Bandwidth**  
**Transmitter Input/Output Ports**  
**Power Supply**

**ESD Protection**

**Dimensions (mm)**

**Weight(g)**

**Chassis Material**

**Silkscreen Color**

**Power Consumption**

**Operating Temperature**

**Storage Temperature**

**Relative Humidity**

2.25Gbps(singlelink)

1 x HDMI Female port/1 x CAT6

5V/1A DC (US/EU standards,

CE/FCC/UL certified)

**Human Body Model:**

± 8kV (air-gap discharge)

± 4kV (contact discharge)

78.5 (W) X 102 (d) X 30 (H) / Tx

182 / Tx

Aluminum

Silver

TX: 3.5W

0°C ~ 40°C / 32°F ~ 104°F

-20°C ~ 60°C / -4°F ~ 140°F

20~90% RH (non-condensing)