

# HDMI & IP over single cat6 Extender - ID# 866



**Operation Manual**

## Introduction

Are you searching for a device that can make your home or office more efficient? Then the HDMI™ & IP over a Single CAT5e/CAT6 cable is for you. This cutting edge product is more powerful than previous generations of CAT5e/CAT6 Transmitters and Receivers, because with one Ethernet cable you are able to control the device through the built-in RS-232 / IR ports, send uncompressed audio/video and provide power to the receiver.

## Applications

- Household entertainment sharing and control
- Lecture room display and control
- Showroom display and control
- Meeting room presentation and control
- Classroom display and control

## Features

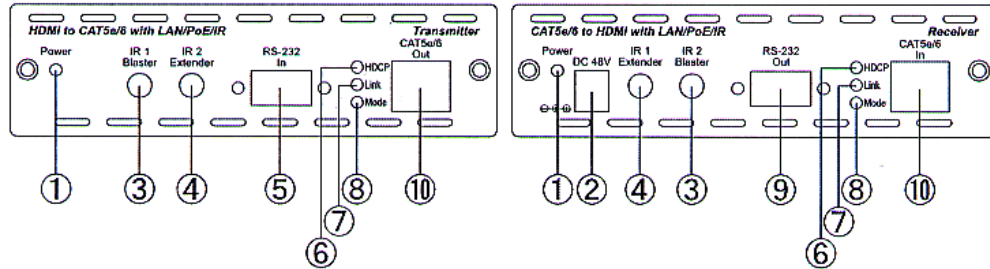
- HDMI v1.4 (with Audio Return Channel ), HDCP & DVI Compliant
- Supports HDCP repeater and CEC function
- Simultaneously uncompressed data sending over a single 100M/328ft CAT5e/CAT6
- Uncompressed video 1080p, 60Hz, 48bits, 3D and 4K x 2K
- Audio supports up to 7.1CH & TrueHD, DTSHD
- Ethernet speed up to 100Mbps
- Various controls over HDMI CEC, RS232 & IR
- 5Play™ convergence: HDMI, Internet, Power & Control (IR & RS232)
- Easy Installation

## System Requirements

Input HDMI source equipment such as DVD/Blue-Ray player and output display with HDMI input jack.

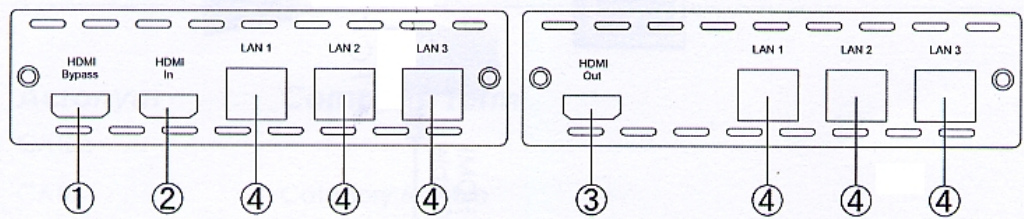
IP router system or internet hub system and PC/NB devices.

## Operation Controls and Functions Front Panel



1. **Power LED:** This red LED will illuminate when the power is connected with AC wall outlet.
2. **DC 5V:** These slots are where you plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.
3. **IR 1/2 Blaster:** These slots are to connect with the IR blaster cables included in the package for IR signal transmitting.
4. **IR 1/2 Extender:** These slots are to connect with the IR receiver cables included in the package for IR signal receiving.
5. **RS-232 In:** This slot is to connect with PC/laptop with D-Sub 9 pin cable for RS-232 control system.
6. **HDCP LED:** This red LED will illuminate in when the input source signal contains HDCP data.
7. **Link LED:** This yellow LED will illuminate when the both input and output signal is connected.
8. **Mode LED:** This green LED will blinking when the device is processing data.
9. **RS-232 Out:** This slot is to connect to the device that wishes to be controlled with D-Sub 9 pin cable for RS-232 signal to be execute.
10. **CAT5e/6 Out/IN:** These slots are to be connected with a single CAT5e/6 cable for data transmitting.

## Rear Panel



1. **HDMI Bypass:** This slot is to connect with HDMI TV/monitor for instant display HDMI input source signal. When the HDMI bypass is connected, all signals will not transmit to the receiver side. Therefore, unplug this slot after confirm image display.
2. **HDMI In:** This slot is to connect with HDMI source equipment such as DVD/ Blue-Ray player.
3. **HDMI Out:** This slot is to connect with HDMI TV/monitor for display HDMI input source signal.
4. **LAN 1 /2/3:** These slots are to connect with internet server hub or IP system allowing internet protocol to be transmit and received from 100M away. Either side can be a transmit or receive side and all three LAN are shareable within the two device's connection.

## D-Sub 9 Pin Definitions

Pin	Define
1	N/C
2	TxD
3	RxD
4	N/C
5	GND
6	N/C
7	N/C
8	N/C
9	N/C

## Specifications

### Transmitter

#### -Inputs

1 x HDMI, 1 x HDMI Bypass, 3 x Ethernet,  
1 x IR, 1 x RS-232

#### -Output

1 x CAT5e/CAT6

### Receiver

#### -Inputs

1 x CAT5e/CAT6

#### -Output

1 x HDMI , 3 x Ethernet, 1 x IR, 1 x RS-232

### ESD Protection

Human body model:

+/- 8kV (air gap discharge)

+/- 4kV (contact discharge)

### Operating Temperature

Operating from 0°C – 40°C

### Storage Temperature

-20°C - 60°C

### Relative Humidity

20 ~ 90% RH non condensing

# Connection and Installation

