



# HVE-9006

## User Manual HDMI Extender over CAT5e/6



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WEEE is waste electrical and electronic equipment. It is end-of-life electrical and electronic equipment and covers virtually everything with a plug or battery. ... The EC introduced the WEEE Directive in 2002 to address the environmental impacts of unwanted electrical and electronic equipment at end-of-life disposal.

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## Introduction

The HVE-9006 extends HDMI signal between Transmitter and Receiver over CATx cable. It supports 1080p@60Hz video signals up to 50 m including embedded multi-channel audio and HDCP 1.4.

Built-in EDID make this product compatible with most display and source device, to ensure HDMI transmission.

Advanced power design (PoC) allows this product to be powered at Transmitter, and only one power supply is required. In addition, the send/receive IR signals each other over the same CATx cable with IR pass through.

## Features

- Supports HDMI 1.3, HDCP 1.4 compliant.
- Supports built-in EDID to ensure HDMI signals transmission from source to display.
- The transmission of 1080p@60Hz (max) signal is up to 50 meter.
- Supports bidirectional IR pass-through.
- Supports PoC, the Receiver can be powered via Transmitter.

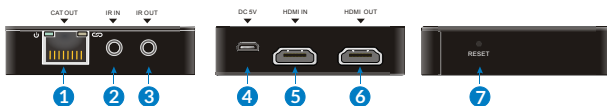
## Package Contents

- 1 x HVE-9006T/R
- 1 x IR Kit
- 1 x Power Adaptor (5V DC 1A)
- User Manual / QIG

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## Panel Description

### Transmitter (TX)



① CAT OUT: RJ45 connector with Green& Yellow indicators. Connect to Receiver over CATx cable.

The Green indicator lights up when powered on.

The Yellow indicator lights up when linked successfully between Transmitter and Receiver.

② IR IN: Connect with IR Receiver.

③ IR OUT: Connect with IR Emitter.

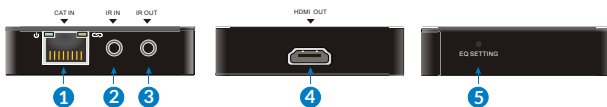
④ DC 5V: Micro USB, connect to the power adaptor.

⑤ HDMI IN: Connect to HDMI source.

⑥ HDMI OUT: HDMI loop output, connect to display.

⑦ RESET: Reboot.

### Receiver (RX)



① CAT IN: RJ45 connector with Green& Yellow indicators. Connect to Transmitter over CATx cable.

② IR IN: Connect with IR Receiver.

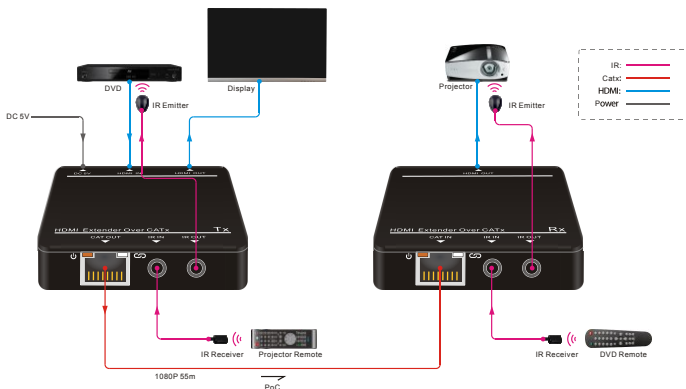
- ③ IR OUT: Connect with IR Emitter.
- ④ HDMI OUT: Connect to display.
- ⑤ EQ SETTING: After the system is connected, press this button three to six times repeatedly until the best image output. When the cable, source, or display is changed, or reset the output resolution, it is need to press this button repeatedly to ensure the best image.

## Specifications

	Transmitter	Receiver
Input	(1) HDMI	(1) CAT
Input Connector	(1) 19-pin type-A female HDMI	(1) RJ45
Output	(1) HDMI; (1) CAT	(1) HDMI
Output Connector	(1) 19-pin type-A female HDMI, (1) RJ45	(1) 19-pin type-A female HDMI
Control	(1) IR IN, (1) IR OUT	(1) IR IN, (1) IR OUT
Control Connector	(2) 3.5mm mini jacks	(2) 3.5mm mini jacks
General		
Transmission Distance	1080p@60Hz≤50m (CAT6)	
HDMI Standard	HDMI 1.3, HDCP 1.4 compliant	
EDID Management	Built-in EDID	

Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 5VDC 1A
Power Consumption	4W (Max)
Work Temperature	-10~55°C
Relative Humidity	10%-90%
Dimensions (W*H*D)	66mm x 16.8 mm x66 mm
Weight	Transmitter: 36g; Receiver: 38g

## Connection Diagram



**Note:** It is recommended to use CAT6 cable to ensure optimal transmission distance.