PI MANUFACTURING
Powered by Infinite Solutions

HDMI Extender Over Cat6 Cable with Built-in IR and EDID Pass-Through

HDMI-CAT6-60M Data Sheet

Product Features

- Extends HDMI and IR over a single Cat6 23AWG cable
- 1080p resolution at up to 164ft using Cat6 23AWG cable
- Supports all HDMI features including 1080p Full HD, deep color, lip sync, CEC and all multi-channel audio formats, including Dolby Digital Plus, 7.1 LPCM, Dolby TrueHD and DTS Master Audio
- Control devices via IR signal
- EDID pass-through
- Plug and play, no drivers required
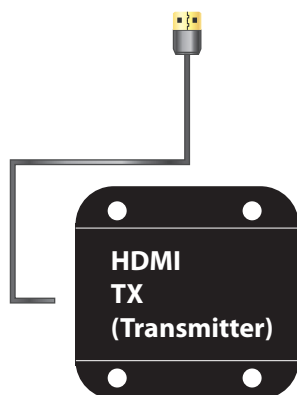- Metal housing for durability

Overview

Limited by the distance of HDMI cables and need a cost-effective way to extend the length of your HDMI cable? PI Manufacturing's HDMI extender extends HDMI signals up to 164 feet using Cat6 cables with support up to 1080p. Built-in EDID pass-through allows display capabilities to be communicated. Constructed with a durable aluminum design with wall mountable cut outs for easy installation in any application, the HDMI extender features Full HD support and support for uncompressed audio outputs (LPCM, Dolby TrueHD, DTS Master Audio). IR control also allows you to easily control your source devices, such as Blu-ray players, television receivers, and other HDMI enabled devices.
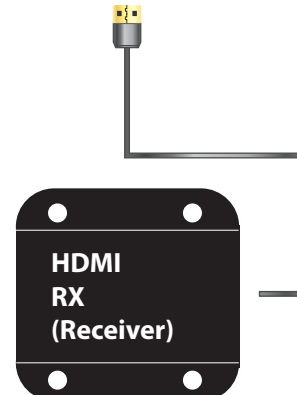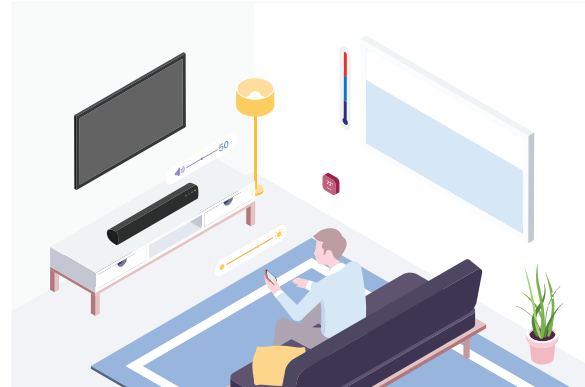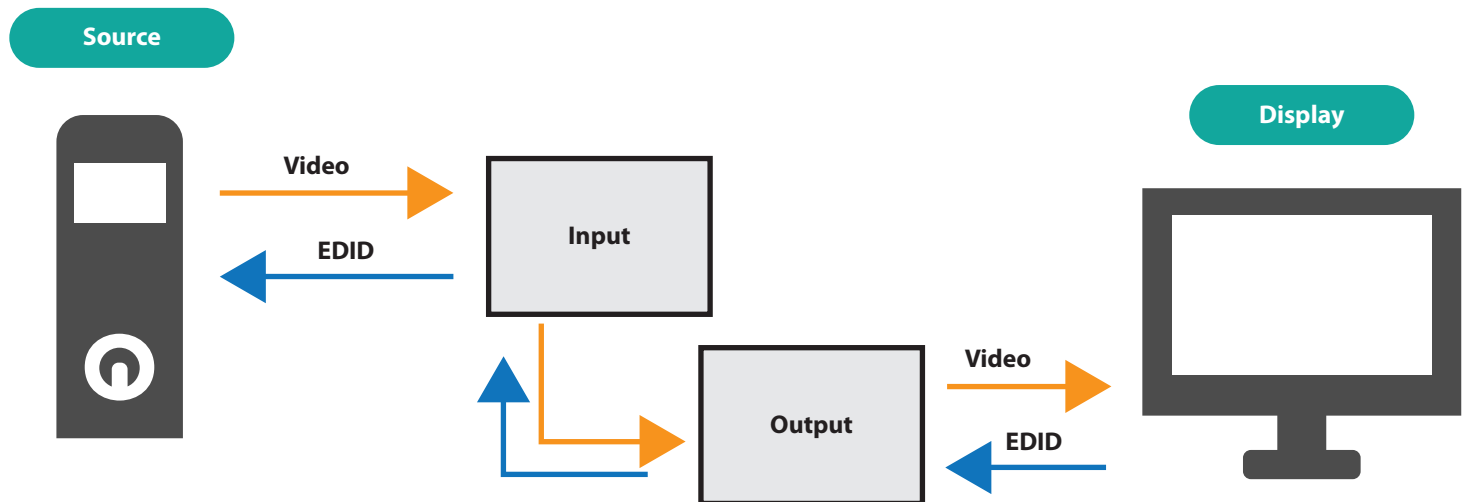
Typical Applications

Closet

Living Room

HDMI Source

HDMI
TX
(Transmitter)

HDMI
RX
(Receiver)

Up to 164 feet via Cat6 23AWG cable (typically run through the wall using solid wire cables)

EDID Pass-Through

The HDMI-CAT6-60M supports EDID (Extended Display Identification Data) pass-through. This allows display capabilities to be communicated, providing optimal resolution when sending content from the HDMI source to the display.
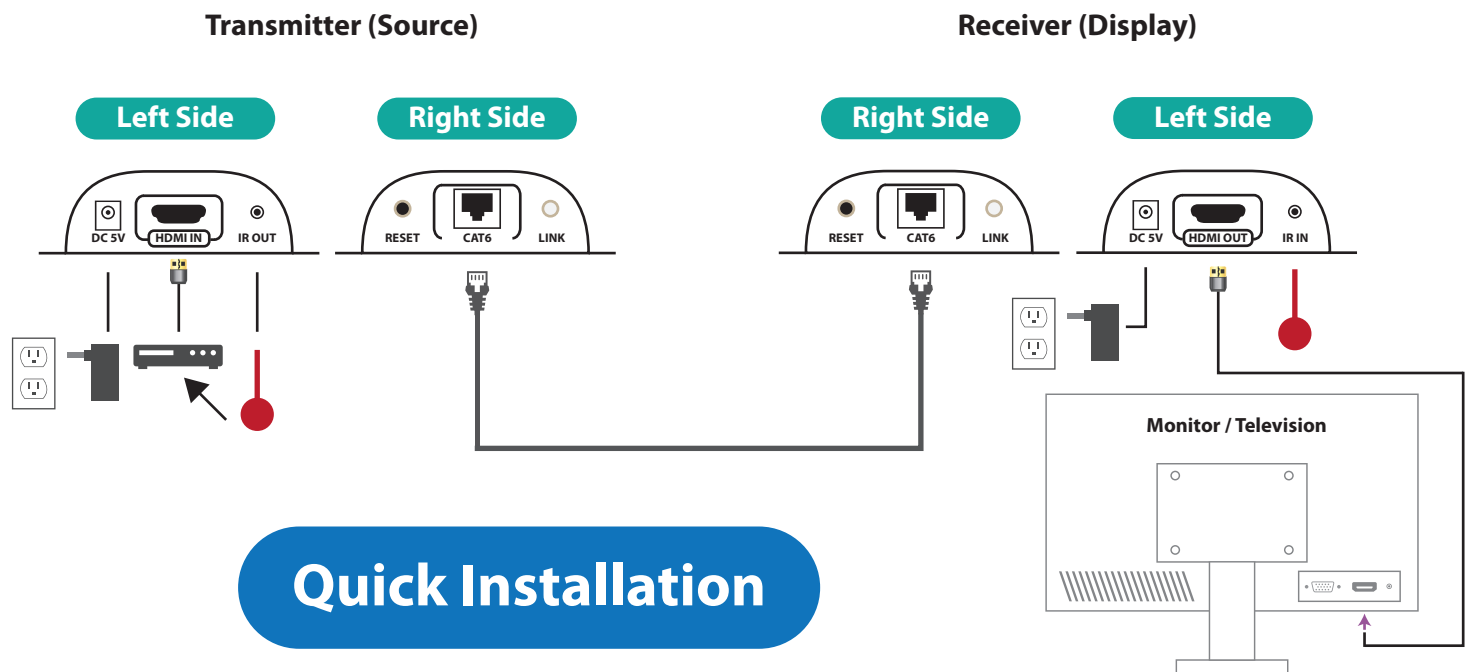

1080p Full HD

With support for resolutions up to 1080p / 60Hz, you're able to view your output in high definition. HDCP support also allows protected content to be effortlessly viewed without issues.

Plug and Play Operation

Setting up the HDMI extender is as easy as plugging in the HDMI source on the transmitter end and then plugging in the HDMI display on the receiver end. Plug in the included IR cables on both ends to allow the IR signal to be sent remotely, select the length of Cat6 or higher Ethernet 23AWG cable (up to 164 feet) to plug into the Ethernet port on both ends of the transmitter / receiver, and then plug in the included 5V 1A power adapters on both ends for operation.

Transmitter (Source)

Left Side

Right Side

DC 5V   HDMI IN   IR OUT

RESET   CAT6   LINK

Receiver (Display)

Right Side

Left Side

RESET   CAT6   LINK

DC 5V   HDMI OUT   IR IN

Monitor / Television

Quick Installation

Specifications

Power	DC5V 1A
Network Cable	Cat6 (23AWG)
Video Support	480i / 60Hz 480p / 60Hz 576i / 50Hz 576p / 50Hz 720p / 50/60Hz 1080i / 50/60Hz 1080p / 50/60Hz
HDCP Version	1.3
Transmission Length	164ft (50m)
IR Remote Control	Supports 20-60kHz
Power Consumption	TX: <2W; RX: <2W
Operating Temperature	32~104°F (0~40°C)
Storage Temperature	-4~140°F (-20~60°C)
Humidity	20-90% (non-condensing)
Product Dimensions (L x W x H)	71.6 x 66.6 x 24.8mm
Product Weight	Transmitter / Receiver - 2.95 oz / each (0.18 lbs)

Package Includes

What's Included	1 - HDMI Transmitter (TX) 1 - HDMI Receiver (RX) 2 - Power Adapters 1 - IR Out 1 - IR In 1- User Manual