



# Extra Long Range Extender for 3DTV

HDMI<sup>®</sup> 2.0

4K ULTRA HD  
60Hz, 4:2:0



HDCP 2.2



GTB-3DTV-KVM-BLK

## Extra Long Range (ELR) KVM Extender for HDMI, USB 2.0, and IR over two CAT-5 cables

The GefenToolBox KVM ELR Extender for HDMI 3DTV extends any Hi-Def, IR, and USB from a home theater multimedia PC that can be located up to 330 feet (100 meters) away using two CAT-5 cables. The Receiver unit allows the connection of HDMI and two USB devices, providing access to printers, scanners, cameras, external storage media, digital signage, and automated control systems in addition to the display. USB 2.0 transfer rate up to 480 Mbps is supported. This product uses Gefen ELR (Extra Long Range) technology, supporting HDBaseT™ specifications, allowing transmission of HDMI and IR signals along the same CAT-5 cable. USB 2.0 is extended over the second CAT-5 cable. Resolutions up to Ultra HD 4K (3840 x 2160 @ 60Hz 4:2:0 or 30Hz 4:4:4), 4K Cinema (DCI) (4096 x 2160 @ 24 or 30Hz 4:4:4), 1080p Full HD, and 1920 x 1200 (WUXGA) are supported.

## How It Works

Using the included 6 ft. HDMI cable, connect the Hi-Def source to the input Sender unit. Use the supplied USB cable to connect the USB host (source) device to the USB port on the Sender unit. Connect the Receiver unit at the output remote location to the HDTV display with an HDMI cable. Connect the USB devices, if necessary, to the Receiver unit. Use two CAT-5 cables, up to 330 feet (100 meters), to connect the Sender unit to the Receiver unit USB output ports. Connect the locking power supplies to the Sender and Receiver units and plug the power cords into available electrical outlets.

## Features\*

- Extends 4K Ultra HD (3840 x 2160 @ 60Hz, 4:2:0 or @ 30Hz, 4:4:4), USB, and IR over a single CAT-5e cable up to 330 feet/100 meters (8-bit color)
- Extends 4K Cinema (DCI) (4096 x 2160 @ 24 or 30Hz 4:4:4), USB, and IR over a single CAT-5e cable up to 330 feet/100 meters (8-bit color)
- Extends HDMI at 1080p Full HD, USB, and IR over a single CAT-5e cable up to 330 feet/100 meters (up to 12-bit Deep)
- HDMI Features Supported:
  - HDMI 2.0
  - HDCP 2.2 and 1.4
  - 12-bit Deep Color
  - LPCM 7.1 audio, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD Master Audio™ pass-through
  - 3DTV pass-through
  - CEC pass-through
  - Lip Sync pass-through
- Supports USB 2.0 transfer rates up to 480 Mbps
- IR remote control of source devices
- Locking power supply
- Surface mountable

## Specifications\*

- Maximum Pixel Clock: 300 MHz
- Maximum TMDS Clock: 300MHz
- Input Video Signal: 1.2V p-p
- Input DDC Signal: 5V p-p (TTL)
- HDMI Connector (Sender / Receiver): Type A 19-pin, female
- USB Connector (Sender Unit): (1) Type B
- USB Connectors (Receiver Unit): (2) Type A
- IR Extender (Receiver Unit): 3.5 mm mini-stereo jack
- IR Blaster (Sender Unit): 3.5 mm mini-stereo jack
- Link Connectors (Sender / Receiver): (2) RJ-45, shielded
- Power Supply (Sender / Receiver): 5V DC, locking
- Power Consumption: 10W per unit (max.)
- Operating Temperature: 0 - 40 °C
- Dimensions (Sender / Receiver): 3.4" W x 4.9" H x 1.2" D
- Shipping Weight: 3 lbs



1080P  
PROGRESSIVE

