

**Overview:**

The HDMI / Bi-IR Extender Kit allows HDMI equipment to be connected over Cat5e /6 unshielded twisted pair cables in a point-to-point configuration. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter and IR Sensor for remote control applications. Four (4) mounting Ears are also provided for wall-mount applications.

**Features:**

- 40m (130 ft) at 1080p over Cat 5e/6
- 70m (230ft) at 1080i/720p over Cat6
- 50m (164ft) at 1080i/720p over Cat5e

**Applications:**

Commercial and residential audio systems, boardroom systems, collaborative PC systems, and medical information systems.

<b>Environment</b>	HDMI 1.3a (Supports the 3D feature of HDMI 1.4)
<b>Devices</b>	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI.
<b>Transmission</b>	Transparent to the user
<b>Bandwidth</b>	225 MHz
<b>Signals</b>	HDMI 1.3a protocol
<b>Connectors</b>	One (1) HDMI receptacle. One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair. Two (2) 3.5mm jacks for IR emitter and sensor <i>Note: HDMI cables not included.</i>
<b>Maximum Distance</b> <i>Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.</i>	40m (130 ft) at 1080p over Cat 5e/6 70m (230ft) at 1080i/720p over Cat6 50m (164ft) at 1080i/720p over Cat5e <i>Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.</i>
<b>RJ45 Pin Configuration</b> <i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.</i>	RJ45 Link Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)
<b>Cable</b>	One (1) Cat 5e/6 or better twisted pair cables required
<b>Power Supply</b>	Two (2) 110-240V/12VDC power supplies with interchangeable blades; US, UK & Euro
<b>Power Consumption</b>	Transmitter: 5 Watt Receiver: 5 Watt
<b>Temperature</b>	Operating: 0° to 35°C Storage: -20° to 70°C Humidity: Up to 95% non-condensing
<b>Enclosure</b>	Metal black
<b>Wall-Mount Bracket</b>	Four (4) Wall-Mount Brackets and screws included
<b>Dimensions</b>	5.00" x 2.12" x 0.67" (127 x 54 x 17 mm)
<b>Weight</b>	1.4 lb (0.6 kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS
<b>Warranty</b>	2 years
<b>Order Information</b>	500404 HDMI / Bi-IR Extender Kit (UPC: 627699004043)

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## Typical Application:

