



HDMI Mono Extender Kit, HDBT, UHD-4K 500451, 500451-RX

Overview

The HDMI Mono Extender Kit (500451) allows HDMI equipment to be connected up to 230 ft (70m) via one (1) Cat5e/6 cable in a point-to-point configuration at all resolutions up to 1080p. The 500451 supports IR source control and includes one IR emitter and one IR sensor. The kit comes with one (1) transmitter, one (1) receiver and two (2) power supplies.



Key Features

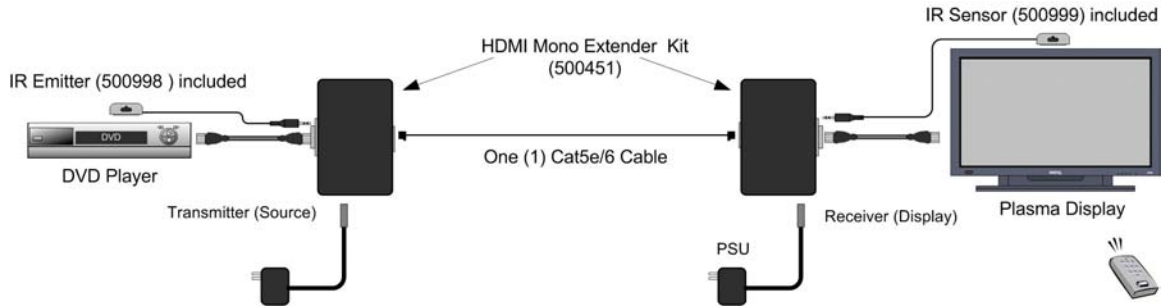
- Supports 3D feature of HDMI 1.4
- Up to 230 ft (70m) at all resolutions up to 1080p Deep Color via single Cat5e/6
- Up to 115 ft (35m) @ 4K resolution
- Supports all digital audio modes
- Supports bi-directional IR remote control Includes IR Emitter and IR Sensor
- Locking screw for HDMI connector
- Complies to HDCP 1.4 or HDCP 2.2

Applications

Commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

Specifications																
Environment	HDMI 1.3a, HDBaseT (5 Play technology). (Supports the 3D feature of HDMI 1.4). Supports all digital audio modes: 7.1CH, Dolby TrueHD, DTS-HD															
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI															
Transmission	Transparent to the user															
Bandwidth	340 MHz															
Standard	HDMI 1.3a															
Connectors	One (1) HDMI receptacle with locking screw One (1) RJ45S for link via Cat5e/6 cable 3.5mm jacks for IR Emitter and IR Sensor <i>HDMI cables not included.</i>															
Max. Distance*	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">4480i/p:</td> <td style="width: 30%;">Cat 5e/6: 230 ft (70 m)</td> <td style="width: 40%;"></td> </tr> <tr> <td>720p, 1080i:</td> <td>Cat 5e/6: 230 ft (70 m)</td> <td></td> </tr> <tr> <td>1080p:</td> <td>Cat 5e/6: 230 ft (70 m)</td> <td></td> </tr> <tr> <td>1080p Deep Color:</td> <td>Cat 5e/6: 230 ft (70 m)</td> <td></td> </tr> <tr> <td>4K (3840x 2160):</td> <td>Cat 5e/6: 115 ft (35 m)</td> <td></td> </tr> </table> <p><i>*Based on a maximum length of 6.6 ft (2m) of HDMI cable per end</i></p> <p>When installed in an electrically noisy environment, STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used. Patch panels are not recommended with 1080p Deep Color.</p>	4480i/p:	Cat 5e/6: 230 ft (70 m)		720p, 1080i:	Cat 5e/6: 230 ft (70 m)		1080p:	Cat 5e/6: 230 ft (70 m)		1080p Deep Color:	Cat 5e/6: 230 ft (70 m)		4K (3840x 2160):	Cat 5e/6: 115 ft (35 m)	
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RJ45 Pin Configuration <i>Reverse Polarity Sensitive Use EIA/TIA 568 A or B, straight-through wiring.</i>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">RJ45</td> <td style="width: 50%;"></td> </tr> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table> <div style="display: flex; justify-content: space-around; align-items: center;"> </div>	RJ45		Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)					
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Cable	One (1) Category 5e or better twisted pair cables required.															
Power Supply	Two (2) 110-240V/5VDC power supply with interchangeable blades included															
Power Consumption	Transmitter: 1.6W Receiver: 3.2W															
Temperature	Operating: 0° to 40° C. Storage:-20° to 85° C. Humidity: up to 95% non-condensing.															
Enclosure	Metal															
Dimensions	4.40" x 3.00" x 1.00" (11.2 x 7.6 x 2.5 cm)															
Weight	1.4 lb (.6 kg)															
Compliance	Regulatory: FCC Class A, CE, RoHS															
Warranty	2 years															
Order Information	500451 HDMI Mono Extender Kit (incl;Tx, Rx, IR-Emitter, IR Sensor, 2x PSU) 500451-RX HDMI Mono Receiver (for use with 500476)															

Typical Application



rear panels