

## Overview

The HDMI/LAN Mono Extender Kit (500453) allows HDMI equipment to be connected up to 330 ft (100 m) @ 4K resolution via one (1) Cat 5e/6 unshielded twisted pair cable in a point-to-point configuration. Furthermore, the product supports up to two Ethernet 10/100 connections. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter (500998) and IR Sensor (500999) for remote control applications.

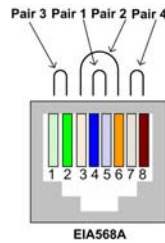
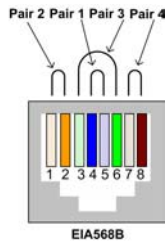
## Applications

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

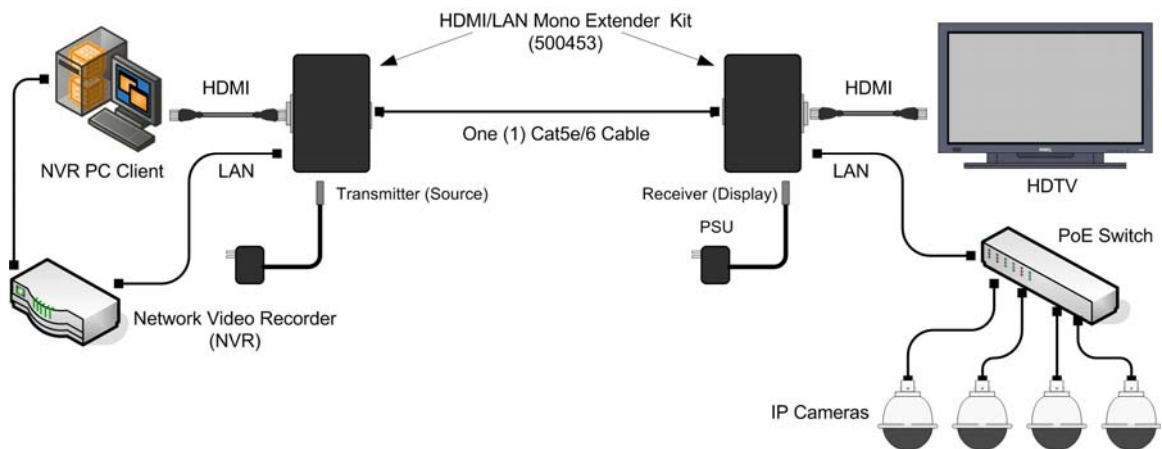
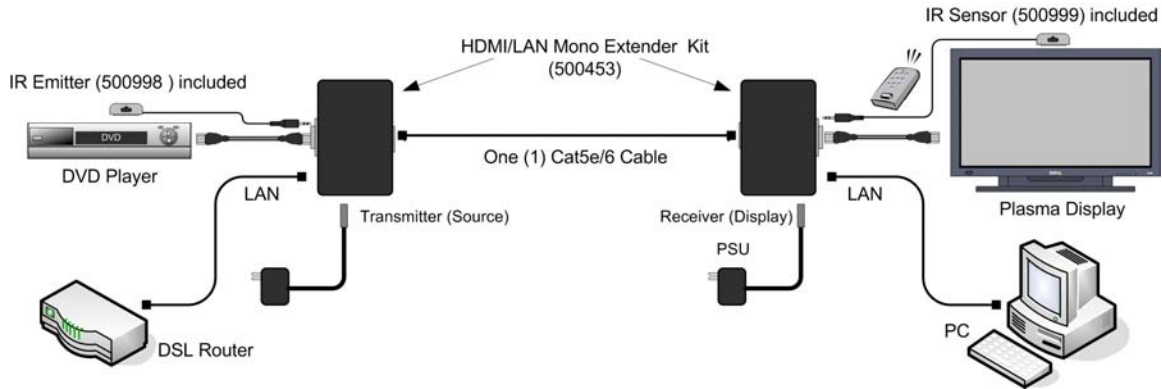


## Key Features

- Supports 3D feature of HDMI 1.4
- Up to 330 ft (100m) at all resolutions up to 4K via single Cat5e/6
- Supports all digital audio modes
- Supports Ethernet with two LAN ports
- Supports bi-directional IR remote control
- Includes IR Emitter and IR Sensor
- Locking screw for HDMI connector

Specifications											
<b>Environment</b>	HDMI 1.3a, HDBaseT (5 Play technology). (Supports the 3D feature of HDMI 1.4). Supports all digital audio modes										
<b>Devices</b>	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI										
<b>Transmission</b>	Transparent to the user										
<b>Bandwidth</b>	340 MHz										
<b>Signals</b>	HDMI 1.3a, HDBaseT, Digital audio: 7.1CH, Dolby TrueHD, DTS-HD										
<b>Connectors</b>	One (1) HDMI receptacle with locking screw One (1) RJ45S for Link Two (2) RJ45S for LAN 3.5mm jacks for IR emitter and IR Sensor <i>HDMI cables not included.</i>										
<b>Max. Distance*</b>	<table border="0"> <tr> <td>480i/p:</td> <td>Cat 5e/6: 330 ft (100 m)</td> </tr> <tr> <td>720p, 1080i:</td> <td>Cat 5e/6: 330 ft (100 m)</td> </tr> <tr> <td>1080p:</td> <td>Cat 5e/6: 330 ft (100 m)</td> </tr> <tr> <td>1080p Deep Color:</td> <td>Cat 5e/6: 330 ft (100 m)</td> </tr> <tr> <td>4K (3840x 2160):</td> <td>Cat 5e/6: 330 ft (100 m)</td> </tr> </table> <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.</p>	480i/p:	Cat 5e/6: 330 ft (100 m)	720p, 1080i:	Cat 5e/6: 330 ft (100 m)	1080p:	Cat 5e/6: 330 ft (100 m)	1080p Deep Color:	Cat 5e/6: 330 ft (100 m)	4K (3840x 2160):	Cat 5e/6: 330 ft (100 m)
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<b>RJ45 Pin Configuration</b> <i>Reverse Polarity Sensitive</i> <i>Use EIA/TIA 568 A or B, straight-through wiring.</i>	<p><b>RJ45</b></p> <table border="0"> <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>	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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<b>Cable</b>	One (1) Cat5e/6 or better twisted pair cable required.										
<b>Power Supply</b>	Two (2) 110-240V/5VDC power supply with interchangeable blades included										
<b>Power Consumption</b>	Transmitter: 2.75W      Receiver: 5.15W										
<b>Temperature</b>	Operating: 0° to 55° C. Storage:-20° to 85° C. Humidity: up to 95% non-condensing.										
<b>Enclosure</b>	Metal										
<b>Dimensions</b>	4.40" x 3.00" x 1.00" (11.2 x 7.6 x 2.5 cm)										
<b>Shipping Weight</b>	1.4 lb (.6 kg)										
<b>Compliance</b>	Regulatory: FCC, CE, RoHS Flammability: 94V0										
<b>Warranty</b>	2 years										
<b>Order Information</b>	500453 HDMI/LAN Mono Extender Kit (includes, Tx, Rx, IR-Emitter, IR Sensor, 2x PSU)										

## Typical Application



Rear panels