

## Overview:

The HDMI Extender Pair, HD (100504) allows an HDMI video signal to be transported up to 164ft (50m) over Cat 5e/6 UTP cable. This extender pair supports video resolutions up to 1920 X 1080p60 and VGA-UXGA. It is HDCP compliant and supports an HDMI Loop-out on the Transmitter and Digital Audio extract on the Receiver. The product includes one Transmitter and Receiver, two Power Supplies, two Emitters, and two Sensors.

## Applications:

Commercial and residential AV systems  
Classroom training systems  
Digital signage  
Boardroom systems  
Medical video systems



## Key Features:

- Support HDMI 1.4 (3D), up to 1080p @ 60Hz and VGA-UXGA
- Support 3D and ARC function
- HDCP compliant and DVI 1.0 standards
- Transport video at up to 164ft (50m)
- Support Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio pass-through
- HDMI Loop-out on Transmitter
- Digital Audio extract on Receiver
- 2-way IR for remote control of end devices
- EDID management

<b>Environment</b>	HDMI 1.4 (3D)
<b>Devices</b>	DVD/Blu-Ray, TVs, projectors, monitors, PC, laptops
<b>Transmission</b>	Transparent to the user
<b>Frequency</b>	Up to 165MHz
<b>Signals</b>	HDMI 1.4 protocol
<b>Resolution</b>	480i to 1080p @ 50/60 FPS VGA to UXGA
<b>Connectors</b>	2 HDMI Type A and 2 (two) 3.5mm jacks for the Transmitter 1 HDMI Type A and 2 (two) 3.5mm jacks for the Receiver 1 S/PDIF Female for the RX
<b>LEDs</b>	Power: Blue Link: Blue
<b>Maximum Distance</b> <i>Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.</i>	Cat 5e/6: 164ft (50m) up to 1080p60 <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>RJ 45 Pin Configuration</b> <i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i>	<b>RJ45 Link</b> 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>Audio</b>	Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio
<b>HDCP</b>	HDCP compliant
<b>Cable</b>	HDMI Cable
<b>Temperature</b>	Operating: 0° to 40°C Storage: -20° to 60°C Humidity: up to 90% non-condensing
<b>Power Consumption</b>	Transmitter: 3.2W Receiver: 2.2W
<b>Power adapter</b>	5 V / 1 A DC
<b>Enclosure</b>	Metal enclosure
<b>Dimensions</b>	65mm x 118mm x 26mm
<b>Weight</b>	410g (TX+RX)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS
<b>Warranty</b>	1 year
<b>Order Information</b>	100504 HDMI Extender Pair, HD (UPC: 627699505045)

## Typical Application

