

Overview:

The HDMI Extender Pair, 50m, 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

Environment	HDMI 1.4 (3D)
Devices	DVD/Blu-Ray, TVs, projectors, monitors, PC, laptops
Transmission	Transparent to the user
Frequency	Up to 165MHz
Signals	HDMI 1.4 protocol
Resolution	480i to 1080p @ 50/60 FPS VGA to UXGA
Connectors	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
LEDs	Power: Blue Link: Blue
Maximum Distance	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>
RJ 45 Pin Configuration <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)
Audio	Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio
HDCP	HDCP compliant
Temperature	Operating: 0° to 40°C Storage: -20° to 60°C Humidity: up to 90% non-condensing
Power Consumption	Transmitter: 3.2W Receiver: 2.2W
Power adapter	Two (2) 5V / 1A DC power supplies
Enclosure	Metal enclosure
Dimensions	65mm x 118mm x 26mm
Weight	410g (TX+RX)
Compliance	Regulatory: FCC, CE, RoHS
Warranty	1 year
Order Information	100504 HDMI Extender Pair, 50m, HD (UPC: 627699505045)

Typical Application

