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

Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.

Cat 5e/6: 164ft (50m) up to 1080p60

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.

RJ 45 Pin Configuration

Reverse Polarity Sensitive.
Use EIA/TIA 568A or 568B straight-through wiring.

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)

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Typical Application