

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:

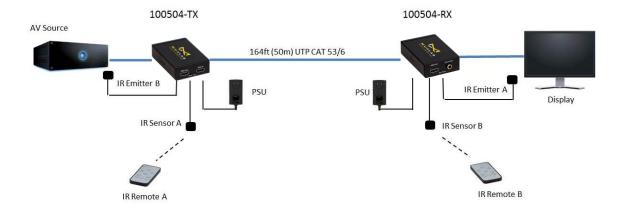
- Support HDMI 1.4 (3D), up to 1080p @ 60Hz and VGA-UXGA
- Support 3D and ARC function
- HDCP compliant and DVI 1.0 standards
- Transport video at up to 164ft (50m)
- Support Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio pass-through
- HDMI Loop-out on Transmitter
- Digital Audio extract on 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
Resolution	VGA to UXGA
Connectors	2 HDMI Type A and 2 (two) 3.5mm jacks for the Transmitter
Connectors	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
Parad on a maximum langth	Note: When installed in an electrically noisy environment, an STP cable must be used.
Based on a maximum length of 6.6 ft (2 m) of HDMI cable	Also, cross-connection reduces the effective distance depending on the grade of
per end.	twisted cable used.
RJ 45 Pin Configuration	RJ45 Link
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Reverse Polarity Sensitive.	Pin 1 (R) Pin 2 (T)
Reverse Polarity Sensitive. Use EIA/TIA	Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T)
Use EIA/TIA	Pin 3 (\dot{R}) Pin 6 (\dot{T})
Use EIA/TIA 568A or 586B straight-through	Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T)
Use EIA/TIA 568A or 586B straight-through wiring.	Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T) Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio HDCP compliant
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HDMI Extender Pair, 50m, HD 100504

Typical Application





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