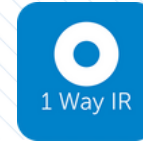




MUXLAB

INFINITE CONNECTIONS

Technical Spec sheet



HDMI 2.0 Extender Kit, 50M

100504-V2

Overview

The HDMI 2.0 Extender Kit, 50m (Model: 100504-V2) allows extend a high-definition video/audio signals and one-way IR commands up to 164ft/50m between the transmitter and receiver over a single Cat5e/6 cable. This extender supports up to 4K/60Hz 4:4:4 video resolution, 18Gbps bandwidth, HDCP 2.2., HDMI Loop-out on the Transmitter, and one-way IR pass-through enabling source control.

The extender includes one Transmitter unit and Receiver unit. The Transmitter unit is responsible for capturing HDMI input signal and carries the signal via one Cat5e/6 cable, and emitting IR control signals. The Receiver unit is responsible for receiving the HDMI signal and capturing IR control signals.

Applications

- Commercial AV Systems
- Residential AV Systems
- Collaborative PC Systems
- Digital Signage
- Educational Institutions
- Boardroom Systems

Key Features

- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Supports 18Gbps bandwidth
- Supports input and output video resolution up to 4K/60Hz 4:4:4, extends distance up to 164ft /50m
- Supports one HDMI loop output
- Supports one-way IR pass-through
- Supports HDR function
- Supports PoC (Power over Cable) function, it means that either transmitter or receiver is powered supply by 12VDC/1A power adapter, the other doesn't need power supply
- Supports automatic copy EDID function
- Compact design for easy and flexible installation

Specification

Technical

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2 / HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	Up to 4K/60Hz 4:4:4
Color Space	RGB / YCbCr 4:4:4, YCbCr 4:2:2/4:2:0, YUV 4:4:4
Color Depth	8/10/12-bit (1080P/60Hz, 4K/30Hz, 4K/60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K/60Hz 4:4:4)
HDMI Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Transmitter	Inputs: 1 x HDMI Type A [19-pin male] 1 x SERVICE [Micro USB, Update port] Outputs: 1 x HDMI Type A [19-pin female] 1 x IR OUT [3.5mm Stereo Mini-jack] 1 x CAT OUT [RJ45, 8-pin female]
Receiver	Inputs: 1 x IR IN [3.5mm Stereo Mini-jack] 1 x CAT IN [RJ45, 8-pin female] 1 x SERVICE [Micro USB, Update port] Outputs: 1 x HDMI Type A [19-pin female]

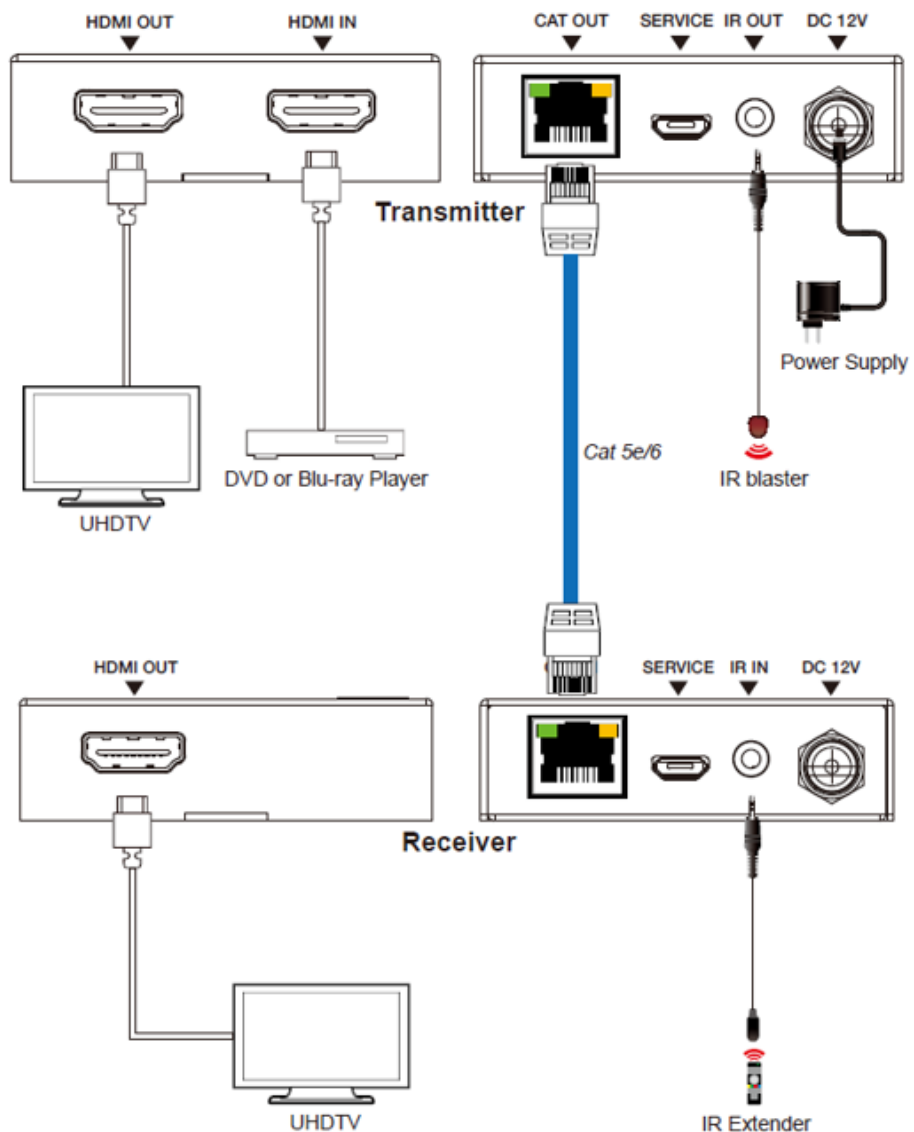
Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 61mm [W] x 88mm [D] x 18mm [H]
Weight	Transmitter: 160g, Receiver: 155g
Power Supply	Input: 100 - 240VAC 50/60Hz Output: 12VDC/1A
Power Consumption	3.84W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

Generic Specification

Warranty	2 years
Order Information	100504-V2 HDMI 2.0 Extender Kit, 50M (UPC: 627699515044)

Application Example



HDMI 2.0 Extender Kit, 50M
100504-V2

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