DIGITUS K1216 HDMI 2.0 Extender KVM IP Extender Set Installation Guide

Contents

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Product Information

Specifications

- Cable Compatibility: Cat 6/6a/7
- Maximum Transmission Distance: 60m
- Video Resolution: UHD 4K2K/60 Hz 4:4:4
- Audio Formats: LPCM, DTS Digital, Dolby Digital, DTS-HD, Dolby True HD
- HDMI Compliance: HDMI 2.0
- HDCP Compliance: HDCP 2.2/HDCP 1.4

Product Usage Instructions

Package Contents

- 1 x HDMI 2.0 Extender with Loop out
- 1 x Power Adapter (12V)
- 1 x Quick Installation Guide

Connection Diagram

Refer to the provided connection diagram for setting up the extender with all necessary devices including HDMI sources, displays, and power supply.

Installation Steps

1. Connect Loop Out to a local HDMI display device.
2. Connect HDMI In to an HDMI source device.
3. Connect CAT Out to another Receiver using a network cable (Cat 6/6a/7).

4. Connect HDMI Out to a remote HDMI display device.
5. Connect IR In to a wideband IR Receiver cable.
6. Connect IR Out to a wideband IR Blaster cable.
7. Plug the DC 12V power supply into the unit and connect the adapter to the AC.

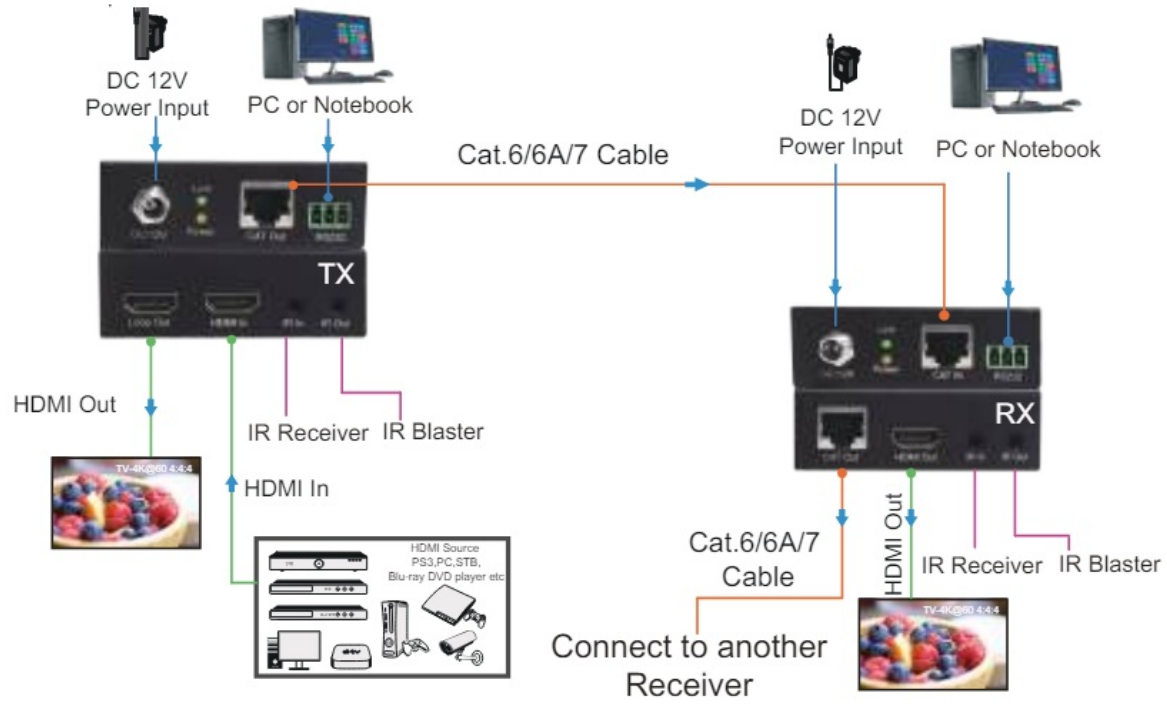
INTRODUCTION

This HDMI extender can extend the maximum transmission distance for HDMI signal to up to 60m whereby only a simple network cable is used between a Sender and Receiver unit.
The Digitus 4K Extender Set, 4K60Hz 4:4:4 offers an extender solution of up to 60m for the highest demands – both for high-resolution graphics and for absolutely smooth video playback. It consists of a transmitter as well as a receiver unit. It also includes two pairs infrared units (transmitter, receiver) which enable the use of the remote to realize bidirectional control between the Sender and Receiver.
The Transmitter have a Local Loop Output , You can monitor the playback status of the device at locally. And the Receiver has a Loop Output with RJ45, then two or max. eight receivers are cascaded, they can create a larger distribution and longer in length.

FEATURES

- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- 4k2k@60Hz 4:4:4 signal extends distance up to 60 meters over a single Cat.6 cable
- Supports Ultra HD resolution 4K2K@60Hz,4:4:4
- Supports HDR(High Dynamic Range)
- Bi-directional IR supported
- Supports Local Loop Output and cascading
- Support for mixing EDID for better compatibility
- Offers simple and quick distribution for HDMI video signals – position your monitors wherever you wish
- Resolutions: 4K2K (60Hz), 4K2K (30Hz), 1080p, 1080i, 720p, 576p, 576i, 480p, 480i
- Max transfer rate: 18 Gbps
- LED status display
- Color depth: 12 bit
- Supports compressed audio signals, such as DTS digital, Dolby digital (including DTS-HD and Dolby True HD)
- Supports uncompressed audio signals such as LPCM
- Compact size, simple use and installation
- Supports PoC (Power over Cable) function, it means that either Sender or Receiver is powered supply by a 12V power adapter, the other doesn’t need power supply.)

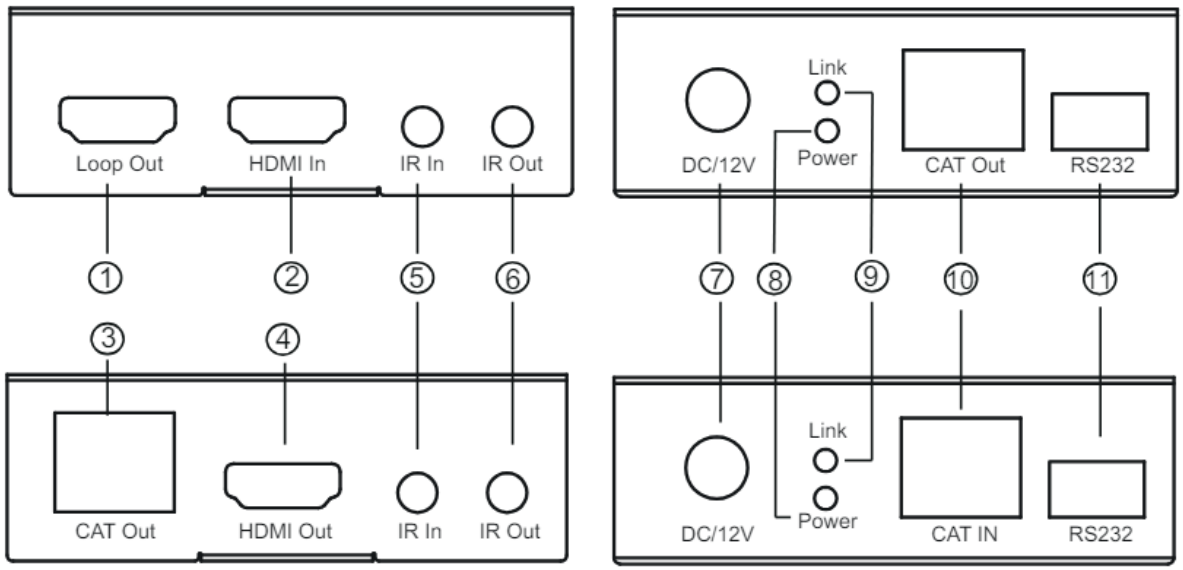
CONNECTION DIAGRAM



PACKAGE CONTENTS

- 1x HDMI Extender transmitter unit
- 1x HDMI Extender receiver unit
- 1x Power Supply Unit: DC 12V/2A
- 2x IR transmitter unit
- 2x IR receiver unit
- 1x Instruction manual

CONNECTION DIAGRAM



1. Loop Out: Connect to a local HDMI display device such as UHD TV or Projector
2. HDMI In: Connect to HDMI source devices such as a DVD or PS4 player
3. CAT Out: Connect to another Receiver over a network cable(CAT.6,6a,7)

4. HDMI Out: Connect to a Remote HDMI display device such as a UHDTV or Projector
5. IR In: Connect to wideband IR Receiver cable. The IR signal will send to the IR outport of another unit
6. IR Out: Connect to wideband IR Blaster cable. The IR signal is from the IR In port of another unit
7. DC/12V: Plug the DC 12V power supply into the unit and connect the adapter to AC outlet.
   (Note: The extender supports the PoC function, which means that either the Sender or Receiver is powered supply by a 12V power adapter, the other doesn't need power supply.)
8. Power LED: The Power LED will illuminate when the unit is powered on.
9. Link LED: The Sender Link LED will illuminate When a valid connection has been established for the Loop Out, and the ReceiverLink LED will illuminate When a valid connection has been established for the HDMI Out
10. CAT: Connect Sender and Receiver over a network cable(CAT.6,6a,7)
11. RS232: pass through the RS232 signal.

SPECIFICATIONS

Performance	
Support Video format	4K2K (60HZ), 4K2K (30HZ), 480i/480p/576i/576p/720p/1080i/1080p
Support Audio format	LPCM; DTS Digital, Dolby Digital (including DTS-HD and Dolby True HD)
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2/HDCP1.4
Connectors on Transmitter	
Input	1xHDMI port
Output	1x RJ45 output , 1xHDMI port
IR	Support 20K-60KHz
Connectors on Receiver	
Input	1x RJ45 input
Output	1x RJ45 output , 1xHDMI port
IR	Support 20K-60KHz
Environmental & Power Requirements	
Operating temperature	0 to +40℃
Operating Humidity	Range 5 to 90%RH (No Condensation)

Frequently Asked Questions

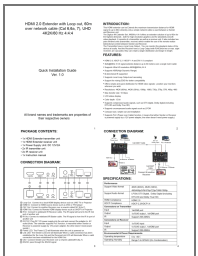
Q: What is the maximum transmission distance of the extender?

A: The extender supports transmission up to 60 meters over Cat 6/6a/7 network cables.

Q: What audio formats are supported by the extender?

A: The extender supports LPCM, DTS Digital, Dolby Digital, DTS-HD, and Dolby True HD audio formats.

Documents / Resources

	DIGITUS K1216 HDMI 2.0 Extender KVM IP Extender Set [pdf] Installation Guide K1216 HDMI 2.0 Extender KVM IP Extender Set, K1216, HDMI 2.0 Extender KVM IP Extender Set, Extender KVM IP Extender Set, KVM IP Extender Set, IP Extender Set, Extender Set, Set

References

- User Manual