

1080P Dual HDMI KVM Extender with USB2.0

HDEX60-DM



User Manual



Table of Contents

Introduction	2
Overview	2
Features	2
Package Contents	2
Panel	3
Installation and Application	4
Brackets Installation	4
Application	4
Specifications	5
Warranty	6

Introduction

Overview

This product is a 60m dual HDMI KVM extender kit. The kit supports visual lossless compression function, and it can transmit dual HDMI signals up to 1080P@60Hz 4:4:4 8bit to two HDMI displays via a single Cat 5e/6/6a/7 cable. With one USB host port in transmitter and four USB 2.0 device ports in receiver, the kit also supports USB 2.0 pass-through. Two of the USB device ports support 5V/1A current output, which can be used with high-power USB devices, such as USB camera or USB hard disk. One-way PoC, integrates power into the Cat 5e/6/6a/7 cable, only one power adapter is needed to be connected to the receiver to power both units.

Features

- Transmits dual 1080P HDMI signal along with USB 2.0 up to 60m/197ft over a single Cat 5e/6/6a/7 cable.
- Visually lossless video quality, supports 1080p@60Hz 4:4:4 8bit and HDCP 1.4.
- Supports USB 2.0 ports with full bandwidth up to 480Mbps.
- Two of the USB device ports support 5V/1A higher current output, which can be used with high-power USB devices, such as USB camera or USB hard disk.
- Supports one-way PoC, one power adapter is needed to be connected to the receiver to power both units
- Plug and play, no driver needed.

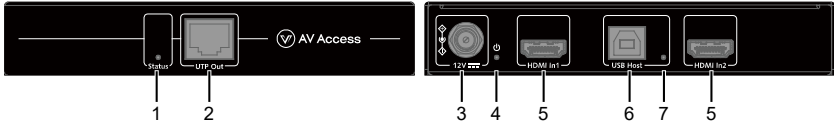
Package Contents

Before you start the installation of the product, please check the package contents:

- Transmitter x 1
- Receiver x1
- DC 12V Power Adapter x 1
- USB 2.0 type-A to type-B Cable x 1
- Mounting Brackets (with Screws) x 4
- User Manual x 1

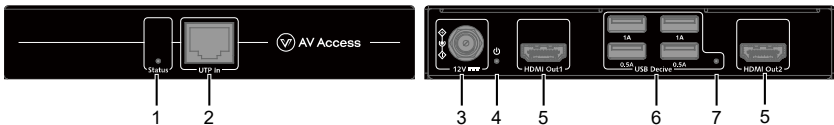
Panel

Transmitter



No.	Name	Description
1	Status LED	On: HDMI data is being transmitted. Off: No signal.
2	UTP Out	Connect to UTP In port of the receiver.
3	DC 12V	Connect to the provided power adapter. With one-way PoC supported, one power adapter is needed to be connected to the receiver to power both units.
4	Power LED	On: The device is powered on. Off: The device is powered off.
5	HDMI In (1&2)	Connect to HDMI sources. HDMI In 1 and 2 signals are extended to HDMI Out 1 and 2 respectively.
6	USB Host	Connect to a host PC.
7	USB LED Host	Breathing Status: No USB device is connected. Solid on: USB device is linked. Flashing: USB data is being transmitted.

Receiver



No.	Name	Description
1	Status LED	On: HDMI data is being transmitted. Off: No signal.
2	UTP In	Connect to UTP Out port of the transmitter.
3	DC 12V	Connect to the provided power adapter. With one-way PoC supported, one power adapter is needed to be connected to the receiver to power both units.
4	Power LED	On: The device is powered on. Off: The device is powered off.
5	HDMI Out (1&2)	Connect to HDMI displays. HDMI Out 1 and 2 output signals from HDMI In 1 and 2 respectively.

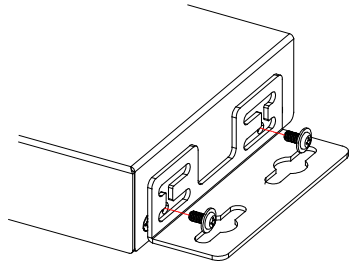
No.	Name	Description
6	USB Device	Connect to USB devices. Note: USB ports support the USB 2.0 standard with a maximum of 1A for the top two ports and 0.5A on the bottom two ports. Before connecting a USB 3.0 device, confirm the compatibility with USB 2.0.
7	USB Device LED	Breathing Status: No USB device is connected. Solid on: USB devices are linked. Flashing: USB data is being transmitted.

Installation and Application

Brackets Installation

Note: Before installation, please ensure the extender is disconnected from the power source.

1. Attach the installation bracket to the enclosure using the screws that were provided in the package separately. As shown in the following figure. The bracket height can be adjusted up/down or bracket face up or down.
2. Attach the brackets to the surface you want to hold the unit against using the screws (provided by others).

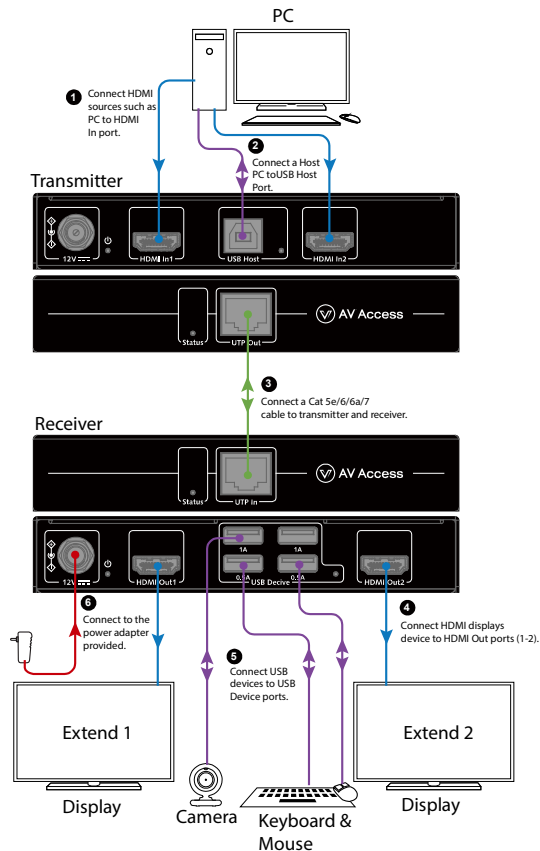


Application

Users can connect a PC to USB Host port of the transmitter. Insert the PC to HDMI In 1/2 port of the transmitter. All USB devices connected to the receiver will be connected to the PC. The display connected to HDMI Out 1/2 of the receiver will display the signal from HDMI In 1/2.

Note:

- The Cat 5e/6/6a/7 cable used must be within 60m/197ft.
- With one-way PoC supported, one power adapter is needed to be connected to the receiver to power both units.
- The two USB 2.0 ports supports 1A can be connected to high-power USB devices such as USB camera, USB hard disk.



Specifications

Technical	
Video Signal Type	HDMI with 1080P@60Hz, 4:4:4 8bit, HDCP 1.4
Input/Output Resolution	1080P@60/50/30/25Hz; 720P@60/50Hz; 480P@60Hz
Audio Format	PCM 2.0
Max Data Rate	6.75 Gbps
General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)

General	
Humidity	20% to 90%, non-condensing
Power Consumption	5.7W (Maximum)
Device Dimensions (W x H x D)	140 mm x25 mm x80.2 mm/ 5.51" x 0.98" x 3.16"
Product Weight	Transmitter/Receiver: 0.33kg/0.73lb

Transmission Distance

Note: T568B straight-through Category cable is recommended.

Cable Type	Range	Supported Video
Cat 5e/6/6a/7	60m/197ft	1080P@60Hz 4:4:4 8bit
HDMI	Input/Output: 10m/33ft	

Warranty

Products are backed by a limited 1-year parts and labor warranty. For the following cases AV Access Technology Limited shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by AV Access Technology Limited) labeled on the product has been removed, erased, replaced, defaced or is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an AV Access Technology Limited authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
6. AV Access Technology Limited preserves the right for interpretation of these cases above and to make changes to them at any time without notice.

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